



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
देहरादून विमानपत्तन / DEHRADUN AIRPORT

पत्रांक सं.: भाविप्रा/देहरादून/अभि.-वि./ए.आर.एम.ओ.-जी.एल.एँफ./का.आ.-01/2024-25/44-96
Ref No.: AAI/DDN/Engg-(E)/ARMO-GLF/W.O.-01/2024-25/

दिनांक : 26.04.2024
Date: 26.04.2024

सेवा में,

मेसर्स अभिषेक इंटीग्रेशन लिमिटेड,
801, वीनस बेनेसिया, पक्वान डाइनिंग लेन,
एस.जी. हाईवे, बोदकदेव, अहमदाबाद,
गुजरात-380053

To,

M/s Abhishek Integrations Limited,
801, Venus Benecia, Pakvan Dining Lane,
SG Highway, Bodakdev, Ahmedabad,
Gujarat - 380053

विषय (कार्य का नाम): एआरएमओ ऑफ इलेक्ट्रिकल एंड मैकेनिकल इंस्टालेशन ऑफ ऑपरेशनल एरिया इन्क्लूडिंग जीएलएफ सिस्टम, यूपीएस, ऑल टाइम्स ऑफ एसी यूनिट्स, वाटर कूलर्स/आरओ सिस्टम, फायर हाईड्रेंट सिस्टम, फायर अलार्म एंड डिटेक्शन सिस्टम एट देहरादून एअरपोर्ट फॉर इयर 2024-26.

Subject (Name of work): ARMO of Electrical & Mechanical Installations of operational areas including GLF system, UPS, All Type of AC units, Water Coolers/ RO systems, Fire Hydrant System, Fire Alarm & Detection System at Dehradun Airport for the year 2024-26.

सन्दर्भ - 1) आपकी ई-निविदा सं- 2024_AAI_189677_1 के लिए बोली जो दिनांक 28.03.2024 को खोली गयी।
Ref. - 1) Your financial bid for E-tender no. 2024_AAI_189677_1 opened on date 28.03.2024.

महोदय/महोदया,
Sir/Madam,

- उल्लेखित कार्य हेतु आपकी ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है, आपके द्वारा उद्धृत मद मूल्यों पर आपकी ई-निविदा राशि कुल रु 2,28,89,789/- (रुपए दो करोड़ अट्ठाईस लाख नवासी हजार सात सौ नवासी मात्र) + जीएसटी है, जो कि उक्त कार्य के उचित लागत रु.2,65,48,786/- (GST के बिना) से 13.78% कम 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 quoted by you totalling **Rs.2,28,89,789/- (Rupees Two Crores Twenty Eight Lakhs Eighty Nine Thousands Seven Hundred Eighty Nine only) + GST** which is 13.78% below the justified cost of **Rs.2,65,48,786/- only (excluding GST)**.

- उप महाप्रबंधक (अभि.-वि.), भाविप्रा, देहरादून विमानपत्तन कार्य के प्रभारी अभियन्ता होंगे। आपसे निवेदन है कि आप दिनांक 10.05.2024 तक उप महाप्रबंधक (अभि.-वि.), देहरादून हवाई अड्डे के कार्यालय में उपस्थित होकर करारनामे पर हस्ताक्षर कर करारनामे को पूरा करें। ठेके का करारनामा रु 100/- के नॉन जुडिशल स्टाम्प पेपर पर निष्पादित किया जाएगा, तथा पेपर का खर्च आपके द्वारा उठाया जाएगा।

Deputy General Manager (Engg-E), AAI, Dehradun Airport, Dehradun shall be the Engineer-In-charge of the work. You are requested to attend the office of Deputy General Manager (E-E), AAI, Dehradun Airport, Dehradun by 10.05.2024 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.



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3. चूंकि आप MSME पंजीकृत फर्म हैं, इसलिए NIT शर्तों के अनुसार आपको ई.एम.डी. राशि जमा न करने की रियायत मंजूर किया गया है। कृपया इस पत्र के जारी करने की तिथि से 10 दिन के अन्दर सुरक्षा जमा राशि के रूप में रु. 22,88,979/- जमा कराएं। अन्यथा अनुबन्ध की शर्तों के उपबन्ध संख्या 1A पृष्ठ संख्या 16 की शर्त के अनुसार रनिंग और अंतिम बिल से काटी जाएगी, जो कि करारनामे का हिस्सा होगा।
Being MSME registered firm, your earnest money exemption claim has been accepted as per NIT criteria. Please deposit **Rs.22,88,979/-** towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from Running and Final Bill as per condition of contract, Clause no 1A on page 16 of the General Conditions of Contract which will form part of the agreement.
4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबन्ध श्रम नियम तथा 1971 केन्द्रीय नियम अनुबन्ध श्रम नियम (नियमन तथा उन्मूलन एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।
You are requested to comply with the provisions 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. श्रम के विभिन्न विधानों के अनुसार सम्बन्धित अधिकारियों से लाइसेंस/अनुमति लेने व पालन करने के लिए एकमात्र दायित्व ठेकेदार (करार फर्म/कम्पनी सहित) का होगा जिसमें संविदा श्रम (विनियमन एवं उन्मूलन) अधिनियम, 1970 के अन्तर्गत लेबर लाइसेंस लेना भी शामिल है।
It will be the sole liability of the contractor (including the contracting firm/ company) to obtain and to abide by all necessary licenses/ permissions from the authorities concerned as provided under the various labour legislations including the labour licence obtained as per the provisions of the Contract Labour (Regulation & Abolition) Act, 1970.
6. ठेकेदार को उसके द्वारा तैनात कर्मियों का नियमित और प्रभावी पर्यवेक्षण और नियन्त्रण सुनिश्चित करना होगा। और संविदात्मक दायित्वों के पालन के लिए उपयुक्त निर्देश देना होगा।
The contractor shall ensure regular and effective supervision and control of the personnel deployed by them and give suitable direction for undertaking the contractual obligations.
7. आपसे निवेदन है कि आप चालू/अन्तिम बिल बनाकर उसे इंजीनियर-इन-चार्ज को प्रस्तुत करेंगे। कुल किये गये कार्यों की राशि का 10 प्रतिशत सुरक्षा जमा राशि के रूप में अन्तिम बिल से काटी जायेगी। सरकारी नियमों के अनुसार सांविधिक करें एवं लेवी यदि लागू हो, काटा जायेगा।
You are requested that you will prepare your running/final bills & will submit the same to the Engineer-in-charge. 10% of total value of work done shall be deducted as security deposit from final bill in case required BG is not submitted. Statutory taxes and levies, as applicable shall also be deducted as per Govt. norms.
8. कार्य के सन्तोषजनक पूरा होने पर, अन्तिम बिल निम्नलिखित दस्तावेजों के साथ इंजीनियर इन चार्ज को प्रस्तुत किया जायेगा।
On satisfactory completion of work, final bill shall be submitted by you to the Engineer-in-charge and same shall be processed with following documents:-
- आप का अन्तिम बिल।
Your final bill.
 - आप और इंजीनियर इन चार्ज या उसके प्रतिनिधि द्वारा संयुक्त रूप से हस्ताक्षरित माप पुस्तिका।
Measurement book jointly signed by you and Engineer-in-charge or his authorised representative.
 - इंजीनियर इन चार्ज द्वारा किया गया समापन प्रमाण पत्र।
Completion certificate issued by Engineer-in-charge.
 - अन्य सम्बन्धित दस्तावेज यदि कोई हो।
Other relevant documents, if any.



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9. आपको निर्देश दिया जाता है कि आप तुरन्त सहायक महाप्रबंधक (अभि.वि.) / सहायक प्रबंधक (अभि.वि.) देहरादून विमानपत्तन से मिलें वह आपको साइट सौंपने की व्यवस्था करेंगे।
You are also directed to contact Assistant General Manager (Engg.-E)/Assistant Manager (Engg.-E), Dehradun Airport immediately who will arrange to hand over the site to you.
10. कृप्या नोट कर लें कि काम करने का अनुमानित समय 24 महीने है जो कि इस कार्य आदेश के जारी दिनांक के 10वें दिन या साइट ग्रहण करने की तिथि (इनमें से जो भी पहले हो) से गिना जायेगा।
Please note that the time allowed for carrying out the work shall be **24 months** which shall be reckoned from the 10th day of issuing this work order or taking over of the site (whichever is earlier).
11. दोष दायित्व अवधि प्रमाणित समापन तिथि से 06 महीने की होगी। इस अवधि के दौरान किसी भी प्रकार के दोष होने पर आपको दोष अपने खर्चे पर ठीक कराना होगा। जिसकी जिम्मेदारी आपकी होगी। सुरक्षा जमा राशि को दोष दायित्व अवधि के खत्म होने के बाद वापिस की जायेगी।
You will be responsible to make good and rectify at your own expense of any defect which may develop or may be noticed within the Defects Liability Period of 06 months which shall be reckoned from the certified date of completion. The security deposit shall be refunded only after expiry of defects liability period.
12. संविदा के सम्बन्ध में सामान्यतः कोई भी पत्राचार कार्य प्रभारी अभियन्ता को सम्बोधित करते हुए किया जाना चाहिए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
13. कृप्या पावती भेजें और स्वीकृति के टोकन के रूप में संलग्न इस पत्र की दूसरी प्रति हस्ताक्षर करके वापस 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.

नोट:- हिंदी तथा अंग्रेजी संस्करण में अंतर पाए जाने पर अंग्रेजी संस्करण मान्य होगा।

Note: If any discrepancy is observed in Hindi and English version, then English version will be followed.

भवदीय

उप महाप्रबंधक (अभि.वि.)

Deputy Assistant General Manager (Engg.-E),

भा.वि.प्रा., देहरादून हवाई अड्डा,

AAI, Dehradun Airport,

कृते अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से

For & on behalf of Chairman,

Airports Authority of India

Encl: Schedule of work (06 Pages)

विमानपत्तन निदेशक, देहरादून हवाई अड्डा, देहरादून -248140, दूरभाष: 0135-2412052, फैक्स: 2410358
Airport Director, Dehradun Airport, Dehradun - 248140, Phone: 0135-2412052, Fax: 2410358



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प्रतिलिपि-

(आन्तरिक)

1. विमानपत्तन निदेशक, भा.वि.प्रा., देहरादून हवाई अड्डा।
2. महाप्रबंधक (अभि.), क्षेत्रीय मुख्यालय - उत्तरी क्षेत्र, भा.वि.प्रा., नई दिल्ली।
3. एम.आई.एस. इंजीनियरिंग सेक्शन, क्षेत्रीय मुख्यालय - उत्तरी क्षेत्र, भा.वि.प्रा., नई दिल्ली।
4. कार्यकारी महाप्रबंधक (अभि.), परियोजना, भा.वि.प्रा., देहरादून हवाई अड्डा।
5. सहायक महाप्रबंधक (अभि.-वि.), भा.वि.प्रा., देहरादून हवाई अड्डा।
6. सहायक महाप्रबंधक (अभि.-सि.), भा.वि.प्रा., देहरादून हवाई अड्डा।
7. सहायक महाप्रबंधक (वित्त), भा.वि.प्रा., देहरादून हवाई अड्डा।
8. सहायक प्रबंधक (अभि.-वि.), भा.वि.प्रा., देहरादून हवाई अड्डा।
9. मुख्य सुरक्षा अधिकारी, भा.वि.प्रा., देहरादून हवाई अड्डा।

(बाहरी)

1. डिप्टी सीएलसी., आई.डी.टी. कॉम्प्लेक्स ओ.एन.जी.सी., डॉ. अम्बेडकर स्टेडियम के सामने, कौलागढ़ रोड, देहरादून, उत्तराखंड-248001 /

Dy. CLC(C), I.D.T. Complex ONGC, Opp. Dr. Ambedkar Stadium, Kaulagarh Road, Dehradun, Uttarakhand-248001

2. भविष्य निधि भवन, व्योमप्रस्थ, कांवली, जी.एम.एस. रोड, देहरादून, उत्तराखंड-248001 /

Bhavishyanidhi Bhavan, General Mahadev Singh Rd, Vyomprasth, Dehradun, Uttarakhand 248001

उप महाप्रबंधक (अभि.-वि.),
भा.वि.प्रा., देहरादून हवाई अड्डा, देहरादून

Schedule of Quantity (S.O.Q.)

Name of Work: ARMO of Electrical & Mechanical Installations of operational areas including GLF system, UPS, All Type of AC units, Water Coolers/ RO systems, Fire Hydrant System, Fire Alarm & Detection System at Dehradun Airport for the year 2024-26.

ABHISHEK INTEGRATIONS LIMITED							
Name of the Bidder/ Bidding Firm /	Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
	1	2	4	5	12	13	53
	1	Annual Periodical Maintenance of Electrical & Mechanical Installations including Annual Operation and Maintenance of Ground Lighting Facilities, Perimeter Road Lighting, Height Mast Lighting in operational Area, Fire Detection and Alarm system, Fire Fighting system, UPS, Water Treatment Plant, LT panels, CCRs, Switchrooms and other Electrical & Mechanical Installations at Technical cum ATC Building, Fire Station, Medical Center, DVOR/Glide Path/ Localizer shelters etc. involving repair and maintenance, including operation of AC units, Water Coolers, RO systems and Lifts; attending to complaints/ fault/ breakdowns and taking rectification action, ensuring serviceability/satisfactory working condition of the system, carrying-out Preventive maintenance and upkeeping of records/documentation etc. as specified on all days i/c Sundays and Holidays as per Agreement conditions/ terms & conditions of tender documents by providing/engaging manpower as mentioned in the SCC clause-12 with sufficient number of relievers throughout the contract period. (NOTE: Shift timing will be decided by Engineering-in-charge or his representative as per the site requirement and flight operational hours.)	24	Month	INR	704555.00	16909320.00
	2	Provision of additional hour required for operations due to delay in flight, emergency, major maintenance works. Beyond the scope of item no. 1 on as and when required basis.					
	2.1	Highly-Skilled	50	Hours	INR	114.00	5700.00
	2.2	Skilled	30	Hours	INR	104.00	3120.00
	2.3	Semi-skilled	20	Hours	INR	89.00	1780.00
	2.4	Un-skilled	50	Hours	INR	79.00	3950.00
	3	Annual Comprehensive Maintenance of 2 Nos 125 KVA online UPS (Make-NUMERIC-LEGRAND), three phase in, three phase out IGBT based True on line double conversion type DSP based using VFI & PWM technology by OEM/authorized service agent of OEM / Specialized Agency and submission of servicing reports including all spares except batteries and power cable. All parameters shall be as per enclosed specifications (minimum one visit per month) and attending any nos. of breakdown calls as per terms and condition, (for 24 months)	24	Month	INR	16000.00	384000.00
	4	Servicing/ maintenance of following servo voltage stabilizers by OEM / authorized service agent of OEM / Specialized Agency including submission of servicing reports as and when required. Servicing/maintenance of each stabilizers will be considered as 01 job (Job does not include supply of spares).					
	4.1	400 KVA- 3 Phase (Volina make)	8	Job	INR	5000.00	40000.00
	4.2	7.5 / 8 KVA- Single Phase (make- Servokon)	12	Job	INR	1000.00	12000.00
	5	Servicing/maintenance of 800 Amp rating C&S make Air Circuit Breakers installed in various panels in operational area at Dehradun Airport. Job include mandatory visit of Engineer/ Technicians of OEM/ authorized service agent at site and performing overhauling/ servicing of ACB's as per OEM's recommendation and attending to breakdowns as and when required. (Servicing/maintenance of each ACB will be considered as 01 job)	30	Job	INR	1000.00	30000.00

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
6	Servicing/maintenance of LT panels/ APFC Panels installed in operational area at Dehradun Airport. Job include mandatory visit of Specialised Engineer/Technicians of OEM/ authorized service agent at site, and performing maintenance/ servicing of LT panels/ APFC Panels as per OEM's recommendation with minor repairs (without supply of any spare) and attending to breakdowns as and when required. (Servicing/maintenance of each panel will be considered as 01 job)	5	Job	INR	2000.00	10000.00
7	Annual Comprehensive maintenance contract including repair/replacement of all parts of Blue Star/ Voltas/ LG/ Lloyd/ Hitachi/ Carrier/ Haier make AC units at different locations in Airport premises complete as required as per site requirement for following capacity & following type (Each one Set/job per month).					
7.1	1.5/2 Ton Split type (1-Ø.50Hz) (69 Nos. X 24 months = 1656 jobs.)	1656	Job	INR	200.00	331200.00
7.2	3 Ton Split type (3-Ø.50Hz) (2 Nos. X 24 months = 48 jobs.)	48	Job	INR	200.00	9600.00
7.3	3/3.5 Ton Cassette type (3-Ø.50Hz) (4 nos. X 24 months = 96 jobs.)	96	Job	INR	1000.00	96000.00
7.4	3/3.5/4 Ton Tower type (3-Ø.50Hz) (34 nos. X 24 months = 816 jobs.)	816	Job	INR	300.00	244800.00
8	Annual comprehensive maintenance contract including repair/replacement of all parts for Voltas/Usha/Blue Star make Water Cooler at different locations in airport premises complete as per site requirement for following capacity & make (Each one Set/job per month).					
8.1	40/80 ltrs Water Cooler (10 Nos. x 24 months= 240 JOB)	240	Job	INR	450.00	108000.00
8.2	60/120 ltrs Water Cooler (11 Nos. x 24 months= 264 JOB)	264	Job	INR	500.00	132000.00
9	Annual Comprehensive maintenance contract including consumable items and all spare parts i/c. membrane etc. of ION-Exchange/Kent/Havells make RO unit at different locations in airport premises complete as per site requirement for following capacity & make (Each job per month)					
9.1	25 LPH RO unit (25 Nos. x 24 months = 600 JOB)	600	Job	INR	450.00	270000.00
10	Dismantling, Shifting & Reinstallation of Split type air-conditioner unit of 1.5 / 2 / 3 Ton Capacity of Voltas/LG/Lloyd/Hitachi/Carrier make in airport premises (Job i/c piping work upto 2 feet, Gas charging etc complete as required).	20	Job	INR	500.00	10000.00
11	Dismantling, Shifting & Reinstallation of Tower type air-conditioner unit of 3/3.5/4 Ton Capacity of Voltas/LG/Lloyd/Hitachi/Carrier make in airport premises (Job i/c piping work upto 2 feet, Gas charging etc complete as required).	10	Job	INR	500.00	5000.00
12	Digging out the cable trench for the following size cable for fault rectification by removing out the faulty cable and detection of fault and re-laying the cable after rectification in the same trench with new sand cushioning and by using the same bricks as protective covering and refilling the trench complete as required.					
12.1	For LT cable upto 1.1 KV rating	300	Mtr	INR	100.00	30000.00
12.2	For AFL cable upto 5 KV rating	500	Mtr	INR	100.00	50000.00
13	Lifting and Lowering of Submersible Pump of upto 7.5HP capacity below ground level upto 450 ft. including transportation, loading, unloading, bearing and greasing etc. complete as required.	6	Job	INR	1000.00	6000.00
14	Calibration of CCR & sensitivity of relay by OEM/OEM authorised agency/Specialised agency including submitting reports etc., complete as required excluding supply of spares of following CCRs- (1 visit will be considered as 01 job) (i) 30 KVA CCR (make- ATG)- 02 nos. (ii) 30 KW CCR (make- NASU)- 01 no. (iii) 7.5 KVA CCR (make- ATG)- 02 nos. (iv) 7.5 KW CCR (make- NASU)- 01 no. (v) 4 KVA CCR (make- ATG)- 05 nos.	2	Job	INR	8000.00	16000.00

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
15	Calibration of PAPI Clinometer (make: Thorn) with submission of calibration certificate. Clinometer should be pick up from AAI site and bring back in good condition after calibration.	2	Job	INR	20000.00	40000.00
16	Inspection, servicing, setting, testing, adjustment, calibration and submission of calibration certificate of following instruments- (NOTE: Service/Visit/Job will be done only by OEM or OEM authorised dealers)					
16.1	Electronic IDMT Relay	50	Job	INR	800.00	40000.00
16.2	Digital Voltmeter/Ammeter	20	Job	INR	800.00	16000.00
16.3	Digital Multifunction meter	30	Job	INR	800.00	24000.00
16.4	Digital Power Factor meter	4	Job	INR	800.00	3200.00
17	Carrying out /Making in-field measurement/testing of intensity, beam spread/coverage, orientation, chromaticity (4 C's i.e.- Configuration, Colors, Candelas and Coverage), luminous factor, setting of field alignment, toeing angle, elevation angle as per the requirement of site & ICAO/Civil Aviation Requirement (CAR) Section-4 Aerodrome standard & licensing series 'B' Part-I, for insect/ elevated type approach (SAPL), runway edge, runway end, threshold, PAPI airfields ground lights at Dehradun Airport, by using suitable/standard Testing Equipment system / frame Reader including submission of test reports etc. complete as required as per technical specification.	2	Job	INR	445000.00	890000.00
18	Carrying out Lux level measurement of Apron area of Dehradun Airport and adjustment of High-mast light fittings at suitable angle to achieve required lux level fixed on 11 nos. Apron Flood Lighting high-mast towers by any reputed/expert agency and submitting the LUX measurement report. (1 job each year)	2	Job	INR	22000.00	44000.00
19	Calibration of following instruments through any NABL certified laboratory including submission of calibration certificate-					
19.1	Digital earth tester (1kV)	2	Job	INR	800.00	1600.00
19.2	Digital insulation tester	2	Job	INR	800.00	1600.00
19.3	Digital multimeter (1000v)	2	Job	INR	800.00	1600.00
19.4	Clamp meter (1kV, 1kA)	2	Job	INR	800.00	1600.00
19.5	Lux Meter	2	Job	INR	1000.00	2000.00
20	Visit of Specialized Authorized Engineer for checking of serviceability of addressable fire detection alarm panel which includes checking of healthiness of complete system, including both hardware & software, reporting of faults/ deficiencies to E-I-C, programming of device (if required) and submitting the healthiness report to E-I-C at Dehradun Airport.	2	Visit	INR	6500.00	13000.00
21	Repairing, servicing of sluice/ butterfly valves/ NRV etc. of different sizes provided at various locations of fire hydrant and sprinkler system as and when required. (Item will be executed only if required)	4	Job	INR	500.00	2000.00
22	Repairing & servicing of following capacity pump sets after dismantling and replacing all necessary defective/wornout parts such as nut-bolts, rubber gasket, gland dori, rubber coupling, suitable bearings etc. and re-assembling the pump, making the pump set in perfect working condition as per good engineering practice complete in all respect as required at site. (Item will be executed only if required)					
22.1	Jockey Pump Set	2	Job	INR	5000.00	10000.00
22.2	Sprinkler Pump Set	2	Job	INR	8000.00	16000.00
22.3	Hydrant pump	2	Job	INR	15000.00	30000.00

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Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
23	Testing of water samples collected from various areas of Dehradun Airport at Government approved laboratory and submission of analysis report.	30	Job	INR	2000.00	60000.00
24	Hiring of services of welder including welding machine (1 job = 1 hour).	10	Job	INR	250.00	2500.00
25	Painting of Electrical Panels / Distribution boards / Equipments in position with Synthetic enamel paint by spray/ brush painting in two coats including scraping, cleaning of surface, painting of required nomenclature etc. as reqd.	200	Sq Mtr	INR	100.00	20000.00
26	Painting of following light poles with 2 coats of Aluminium paint of approved brand and manufacturer, along with one coat of primer including pole boxes, cleaning of surface etc., as required including rewriting the identification Sl.No.					
26.1	40 mm dia. G.I. pipe pole of length not exceeding 3 Mtr.	1000	Each	INR	170.00	170000.00
26.2	50 mm dia. G.I. pipe pole of length not exceeding 3 Mtr.	520	Each	INR	170.00	88400.00
26.3	Tubular street light poles with 100mm base dia. of length not exceeding 11 Mtr.	25	Each	INR	950.00	23750.00
27	Painting of Runway fittings, Taxiway fittings, Approach light fittings, and PAPI units with aviation yellow colour synthetic enamel painting of approved brand and manufacture with two or more coats using spary painting including dismantling, shifting of fitting to store and reinstalling after painting and numbering the fittings with black colour paint with letters size not less than 5cm etc. complete as required.	300	Each	INR	30.00	9000.00
28	Painting of Fire Hydrant/ Sprinkler pipeline of different sizes installed inside/ outside of terminal building / Cargo Terminal with two or more coats of painting with synthetic enamel paint along with one coat of primer, including cleaning of surface with detergent etc of approved brand or as approved by engineer-in-charge as required.					
28.1	40 mm Dia	100	Meter	INR	20.00	2000.00
28.2	80 mm Dia	100	Meter	INR	20.00	2000.00
28.3	100 mm Dia	100	Meter	INR	25.00	2500.00
28.4	150 mm Dia.	100	Meter	INR	25.00	2500.00
28.5	200 mm Dia.	100	Meter	INR	30.00	3000.00
29	Replacement of Vinyl Sticker sheet of Guidance signages in operational area su table for Aviation signage boards.	20	Sq.Mtr	INR	6700.00	134000.00
30	Rewinding of the following type of Fans & Pumps with copper wire of suitable size as required complete in all respect including replacement of bush, bearing, seal and other worn out spares, pasting of the sticker clearly mentioning date of rewinding etc. complete as required. (Dismantle copper wire, alignment, bearing etc. shall be kept by the contractor and need not to be returned & rewind motor will have minimum warranty period of 06 (Six) months)-					
30.1	Ceiling Fans/Wall Fan, 230V	30	Each	INR	250.00	7500.00
30.2	Exhaust Fan	10	Each	INR	250.00	2500.00
30.3	Desert cooler	10	Each	INR	250.00	2500.00
30.4	5/7.5 HP Submersible Pump Motor	4	Each	INR	1000.00	4000.00
30.5	Upto 5 HP Monoblock Pump Motor	4	Each	INR	1000.00	4000.00
30.6	2.5 HP Monoblock Pump Motor	1	Each	INR	1000.00	1000.00

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
31	Supply of various items/spares (as per AAI specifications and approved makes) of electrical installations as and when required, including delivery at site of Dehradun Airport. The material should be supplied with proper invoice (with discount on basic price) and challan. The agency will be paid invoice plus 15% percentage of overhead profit (contractor profit). Value of this item is limited to Rs.5,00,000.00 (excluding GST) or as per direction of E-I-C. (Note: Rate to be quoted for percentage of Rs.5,00,000 (above or below)) Example- If agency desires to quote 5% above on Rs. 5,00,000.00, the rate column shall be filled as Rs.5,25,000.00 & If agency desires to quote 5% below on Rs.5,00,000.00, the rate column shall be filled as Rs.4,75,000.00 Note: For payment methodology refer to SCC point 48.	1	Job	INR	425000.00	425000.00
32	Supply of 12V-180AH SMF VR lead acid batteries for DG Sets including less for old batteries (with buy-back of old battery).	6	Each	INR	15225.00	91350.00
33	Supply HT straight through cable joint in AFL cable of 5 KV grade, copper conductor single core PVC insulated of sizes upto 16sqmm with cast resin compound including copper ferrule and other jointing materials complete as per requirement.	6	Job	INR	1869.00	11214.00
34	Supply of 150W, 6.6A bi-pin halogen lamp with inbuilt holder suitable for Thorn Make approach light 'EI-AT' fittings (Make- OSRAM cat no.64361 HLX-Z 150W-15, model : PK30D or equivalent)	40	Each	INR	893.00	35720.00
35	Supply of 150W, 6.6A bi-pin halogen lamp suitable for AMA make Runway Edge Light fittings (Make- Narva Air-field Lamp 6.6A 150W, Model- G6.35 58362 or equivalent)	250	Each	INR	446.00	111500.00
36	Supply of 200W, 6.6A bi-pin halogen lamp with inbuilt holder suitable for Thorn Make PAPI UNIT PU3L (Make- OSRAM cat no.64382 HLX-C 200W-15, model : PK30D or equivalent)	70	Each	INR	893.00	62510.00
37	Supply of Bi-Pin Holders suitable for the halogen lamps in AMA make Runway Edge Light fittings (suitable for halogen lamp Make- Narva Airfield Lamp 6.6A 150W, Model- G6.35 58362 or equivalent)	50	Each	INR	221.00	11050.00
38	Supply of 180° Yellow (R/L) colour filter suitable for AMA make HIRL runway fittings.	30	Each	INR	1515.00	45450.00
39	Supply of 180° Green (R/L) colour filter suitable for AMA make HIRL runway fittings.	30	Each	INR	1515.00	45450.00
40	Supply of 180° Red (R/L) colour filter suitable for AMA make HIRL runway fittings	30	Each	INR	1515.00	45450.00
41	Supply of 180° Clear (R/L) colour filter suitable for AMA make HIRL runway fittings	30	Each	INR	1515.00	45450.00
42	Supply of 360° Blue outer cover lens suitable for AMA make MIRL Taxiway fittings	30	Each	INR	1515.00	45450.00
43	Supply of 360° Clear inner lens suitable for AMA make HIRL Taxiway fittings	30	Each	INR	1515.00	45450.00
44	Supply of 360° Clear outer cover lens suitable for AMA make HIRL Taxiway fittings	30	Each	INR	1515.00	45450.00
45	Supply of LED driver/converter suitable for 10/15 Watt AMA make taxiway/turning pad/apron edge MIRL LED light fittings.	30	Each	INR	1263.00	37890.00
46	Supply of following capacity 5 KV grade 50 Hz individual series to series Isolating Transformer encapsulated in polyster resin finally moulded with neoprene type rubber as specified in particular specification etc as required. (Make- As per approved list)					
46.1	150W, 20A/6.6A	25	Each	INR	4148.00	103700.00
46.2	150W, 6.6A/6.6A	25	Each	INR	4148.00	103700.00
46.3	200W, 20A/6.6A	25	Each	INR	4200.00	105000.00
46.4	200W, 6.6A/6.6A	25	Each	INR	4200.00	105000.00
46.5	15W, 20A/6.6A	25	Each	INR	2468.00	61700.00
46.6	15W, 6.6A/6.6A	25	Each	INR	2468.00	61700.00

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR	BASIC RATE Rs. P	TOTAL AMOUNT Without Taxes in Rs. P
47	Supply of HRC fuses of following ratings and types for CCRs of different capacity as specified in particular specification etc as required.					
47.1	NH000 gG type- 20 Amps, 500V, 120kA - for 7.5KW NASU make CCR	5	Each	INR	231.00	1155.00
47.2	Cylindrical gG/gL type- 50 Amps, 600 V, 120kA, 22*58 - for 30KVA ATG make CCR	5	Each	INR	236.00	1180.00
47.3	Cylindrical gG/gL type- 30 Amps, 690 V, 120kA, 10*38 - for 4KVA ATG make CCR	15	Each	INR	65.00	975.00
47.4	Offset blade fuse gG type - 2 Amps, 415V, 80kA	5	Each	INR	81.00	405.00
48	Supply of HT insulated tape (heavy duty) suitable for 5KV grade Cable	20	Each	INR	683.00	13660.00
49	Supply of driver for existing LED signage board Suitable to operate inbuilt dual circuit having variable current: 2.8 A to 6.6 Amp with auto changeover facility. The driver should be able to drive LED strips of 0.5 Watts Osram LED's assembled on aluminium PCB of size 700mm X 20mm and having 11 LED's per PCB for boards, from 5 strips to 20 strips.	20	Each	INR	6615.00	132300.00
50	Supply of LED strip with high luminous long life typically 50,000 hrs type, 0.5 watts Osram LED's assembled on aluminium PCB of size 700mm X 20mm and having 11 LED's per PCB for boards. (make- Poshdecor) (At one end single non-reversible jack to be provided for easy replacement of LED without tools at site.	250	Each	INR	536.00	134000.00
51	Supply of 5KV grade plug and receptacle of following sizes-					
51.1	16 Sqmm	80	Each	INR	341.00	27280.00
51.2	6 Sqmm	80	Each	INR	341.00	27280.00
52	Supply of 25mm flexible PVC Drain pipe from indoor unit of Air conditioner.	50	Each	INR	16.00	800.00
53	Supply of ISI marked PVC casing-capping of 100 X 50mm size, 2mm thickness.	50	Meter	INR	605.00	30250.00
54	Supply of refrigerant copper pipe of suitable size including insulation for suction & discharge line of following capacity air conditioners for interconnecting indoor and outdoor units etc. as required.					
54.1	1.5 / 2 TR split type AC unit	100	Meter	INR	893.00	89300.00
54.2	3 / 3.5 / 4 TR split/tower/cassette type AC unit	100	Meter	INR	998.00	99800.00
55	Execution of DSR Items (% rate above or below) All items covered under CPWD, DSR E&M-2022 upto an amount of Rs. 5,00,000/- excluding GST The bidder shall quote the rate in INR only for the job corresponding to the base rate (Rs 5,00,000.00 as per proposed Estimate) and percentage (%) above / below shall be calculated by AAI based on quoted rate w.r.t Base rate and will be paid as per payment methodology given in SCC. For Example: If agency desires to quote 5% above on DSR-2022 rates, the rate column shall be filled as Rs.5,25,000.00 & If agency desires to quote 5% below on DSR-2022 rates, the rate column shall be filled as Rs.4,75,000.00 Note: Payment on DSR work shall be paid as per payment methodology given in SCC.	1	job	INR	300000.00	300000.00
Total in Figures						22889789.00
Quoted Rate in Words		INR Two Crore Twenty Eight Lakh Eighty Nine Thousand Seven Hundred & Eighty Nine Only				

Deputy General Manager (Engg.-Elect.)
AAI, Dehradun Airport