



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



E-mail Id: electrical-vidn@aai.aero Tel: 0135-2411011

पत्रांक सं.: एएआई/डीडीएन/इंजी(ई)/एआरएमओ जीएलएफ/कार्य आदेश कं.01/2022-23
Ref No.: AAI/DDN/Engg-(E)/ARMO GLF/Work Order No. 01/2022-23

दिनांक 19.04.2022
Date 19.04.2022

सेवा मे

मैसर्स मनीष इलेक्ट्रिकल्स,
कल्पना नगर, नियर न. 7, चौराहा,
मोरार, ग्वालियर, पिन- 474 006 (एम.पी.)

To,

M/s Manish Electricals,
Kalpana Nagar, Near No. 7, Chouraha,
Morar, Gwalior, Pin - 474 006 (M.P)

कार्य का नाम: एआरएमओ ऑफ इलेक्ट्रिकल एंड मैकेनिकल इंस्टालेशन ऑफ ऑपरेशनल एरिया इन्क्लुडिंग यूपीएस, जीएलएफ सिस्टम, आल टाइप एसी, वाटर कूलर्स/ आरओ सिस्टम, फायर हाईड्रेंट सिस्टम, फायर अलार्म एंड डिटेक्शन सिस्टम एट देहरादून एयरपोर्ट फॉर द इयर 2022-24 |

Name of Work: ARMO of Electrical & Mechanical Installations of Operational Areas Including UPS, GLF System, All Type ACs, Water Coolers/RO System, Fire Hydrant System, Fire Alarm & Detection System at Dehradun Airport for the year 2022-24.

Ref.:

1. Your Technical bid opened on 04.04.2022
2. Your financial bid opened on 07.04.2022

महोदय/Sir,

1. ऊपर उल्लेखित कार्य हेतु आपका टेंडर कृते अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताये गये मद मूल्यों पर आपकी ई-टेंडर राशि रुपये 1,55,76,350/- (रु एक करोड़ पचपन लाख छेयतर हजार तीन सौ पचास मात्र) जीएसटी के बिना स्वीकृत किया जाता है, जो टेंडर की उचित लागत राशि रुपये 1,93,85,003/- (रु एक करोड़ तेरान्वे लाख पचासी हजार तीन मात्र) जीएसटी के बिना से 19.65 % नीचे है।

Your 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 totaling to Rs. 1,55,76,350-(Rupees One Crore Fifty Five Lacs Seventy Six Thousand Three Hundred Fifty only) excluding GST which is 19.65% Below to justified cost of Rs. 1,93,85,003/-(Rupees One Crore Ninty Three Lac Eighty Five Thousand Three only) excluding GST.

2. संयुक्त महाप्रबन्धक (अभि.वि.)परियोजना देहरादून विमानपत्तन कार्य के प्रभारी अभियन्ता होंगे। आपसे निवेदन है कि आप दिनांक 02.05.2022 तक संयुक्त महाप्रबन्धक (अभि.वि.) परियोजना देहरादून हवाई अड्डा के कार्यालय में उपस्थित हो या आपकी ओर से एक विश्वसनीय प्रतिनिधि प्रतिनियुक्त करें जो करारनामों पर हस्ताक्षर के लिए अधिकृत हो तथा करारनामों को पूरा करें। ठेके का करारनामा रु 100/- के नॉनज्यूडिशियल स्टेम्प पेपर पर निष्पादित किया जाएगा, तथा पेपर का खर्च आपके द्वारा उठाया जाएगा।



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA



E-mail Id: electrical-vidn@aai.aero Tel: 0135-2411011

Jt.General Manager (Engg-E) Project, AAI, Dehradun Airport, Dehradun shall be the Engineer-In-charge of the work. You are requested to attend the office of Jt. Gen. Mgr. (E-E) Project, AAI, Dehradun Airport, Dehradun by **02.05.2022** 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.

3. कृपया इस पत्र के जारी करने की तिथि से 10 दिन के अन्दर सुरक्षा जमा राशि के रूप में रु. 15,57,635 /- 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।

Please deposit **Rs.15,57,635 /-** 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/ permissssions 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 him 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 प्रत्येक चालू/अन्तिम बिल से काटी जायेगी। सरकारी नियमों के अनुसार सांविधिक करों एवं लेवी यदि लागू हो, काटा जायेगा।

You are requested that you will prepare your running/final bill & will submit the same to the Engineer-in-charge. 10% of total value of work done shall be deducted as security deposit from each running / final bill. Statutory taxes and levies, as applicable shall also be deducted as per Govt. norms.



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA



E-mail Id: electrical-vidn@aai.aero Tel: 0135-2411011

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 :-

- I. आप का अन्तिम बिल।
Your final bill.
 - II. 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.
 - III. इंजीनियर इन चार्ज द्वारा किया गया समापन प्रमाण पत्र।
Completion certificate issued by Engineer-in-charge.
 - IV. अन्य सम्बन्धित दस्तावेज, यदि कोई हो।
Other relevant documents, if any.
9. आपको निर्देश दिया जाता है कि आप तुरन्त सहायक प्रबंधक (अभि.वि.) देहरादून विमानपत्तन से मिलें वह आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact Assistant Manager (Engg.-E), Dehradun Airport immediately who will arrange to hand over the site to you.

10. कृपया नोट कर लें कि काम करने का अनुमानित समय 24 महीने है जो कि दिनांक 01.05.2022 से गिना जायेगा।

Please note that the time allowed for carrying out the work shall be 24 months which shall be reckoned from date 01.05.2022.

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.



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



E-mail Id: electrical-vidn@aai.aero Tel: 0135-2411011

12. इस ठेके के सम्बन्ध में आगे का कोई भी पत्राचार संयुक्त महाप्रबन्धक (अभि.वि.) परियोजना, भारतीय विमानपत्तन प्राधिकरण, देहरादून हवाई अड्डा, देहरादून के पते पर किया जाएगा।

Any further correspondence in connection with the contract should normally be addressed to the Jt.Gen. Manager (Engg-E) Project, AAI, Dehradun Airport, Dehradun.

13. कृपया 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.

धन्यवाद !

भवदीय

संयुक्त महाप्रबन्धक (अभि.-वि.), परियोजना
भारतीय विमानपत्तन प्राधिकरण,
देहरादून हवाई अड्डा, देहरादून
कृते एवं की ओर से
अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण

Encl: Schedule of work (05 Pages)

**AIRPORT AUTHORITY OF INDIA
JOLLY GRANT AIRPORT DEHRADUN
ENGINEERING ELECTRICAL WING**

SCHEDULE OF QUANTITY

Name of Work: ARMO of Electrical & Mechanical Installations of operational areas including UPS, GLF system, All Type ACs, Water Coolers/ RO systems, Fire Hydrant System, Fire Alarm & Detection System at Dehradun Airport for the year 2022-24.

Sl.No	Description of Work / Item(s)	Units	Qty.	Rate	Amount
1	Operation and Maintenance of Ground Lighting Facilities, Perimeter Road Lighting, Hight Mast Lighting in operational Area, Electrical & Mechanical Installations at Technical cum ATC Building, Fire Station, Medical Centre & Administrative offices, Switch Rooms, LT Panels, Lifts operation, and other electrical installations i/c CCR, DVOR, GP, Localizer, 2x120 KVA UPS, CISF Barrack, Water treatment plant, Pumps etc. involving operation, repair, maintenance, attending to complaints/fault/break downs and taking rectification action, ensuring serviceability/satisfactory working condition of the system, Preventive maintenance, maintenance of records/documentation etc. as specified, on all days i/c Sundays and Holidays and providing 01 No. Computer Operator in general shift throughout contract period. (i) For 2 Year (24 Months) 1-Supervisor & Computer Operator High Skilled) -----02 2-Skilled -----09 3-Un- Skilled -----09 NOTE: Shift timing will be decided by Engineering-in-charge or his representative as per the site requirement and flight operational hours.	Month	24.00	380000.00	9120000.00
2	Digging out the LT Cable trench for fault rectification by removing out the faulty cable upto 1.1KV grade and detection of fault and relaying 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.	Mtr	100.00	200.00	20000.00
3	Digging out the GLF Cable trench for fault rectification by removing out the faulty runway cable upto 5 KV grade and detection of fault and relaying 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.	Mtr	100.00	250.00	25000.00
4	Supplying & fixing HT straight through cable joint in runway light cable of 5 KV grade, copper conductor single core PVC insulated of sizes 16 Sqmm with cast resin compound including copper ferrule and other jointing materials complete as per requirement.	Each	5.00	500.00	2500.00
5	Painting of Electrical Panels / Distribution boards / Equipments in position with Synthetic enamelled paint by spray/ brush painting in one or more coats including scraping, cleaning of surface painting of required nomenclature etc. as reqd.	Sq Mtr	100.00	100.00	10000.00
6	Hiring of services of welder including welding machine (1 Job = 4 hours).	Job	4.00	1000.00	4000.00
7	Testing/ servicing of CCR'S by OEM / authorized service agent of OEM / Specialized Agency. (Job does not include supply of spares) (1 Job = 1 visit).	Job	4.00	5000.00	20000.00
8	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 clour paint with letters size not less than 5cm etc complete as required.	Each	250.00	5.00	1250.00

Sl.No	Description of Work / Item(s)	Units	Qty.	Rate	Amount
9	Replacement of Vinyl Sticker sheet of Guidance signages in operational area suitable for Aviation signage boards.	Sq.Mtr	5.00	3000.00	15000.00
10	Supply of 150W, 6.6A bi-pin halogen lamp with inbuilt holder suitable for Thorn Make Runway Edge Light 'EL-EAH' & approach light 'EL-AT' fittings (Similar to OSRAM catno.64361 HLX-Z 150 model : PK30D / Philips) (Make- As per approved list)	Each	200.00	850.00	170000.00
11	Supply of 200W, 6.6A bi-pin halogen lamp with inbuilt holder suitable for Thorn Make PAPI UNIT PU3L (Similar to OSRAM catno.64361 HLX-Z 150 model : PK30D/ Philips) (Make- As per approved list)	Each	50.00	900.00	45000.00
12	Supply of 180° Yellow colour filter Suitable for for runway fittings of Thorn make model "EL-EAH"	Each	10.00	1200.00	12000.00
13	Supply of 180° Green colour filter Suitable for for runway fittings of Thorn make model "EL-EAH"	Each	10.00	1500.00	15000.00
14	Supply of 180° Red colour filter Suitable for for runway fittings of Thorn make model "EL-EAH"	Each	10.00	1500.00	15000.00
15	Supply of 360° Blue lens filter for Thorn make Taxi way fittings od model "EL-EAM"	Each	10.00	1500.00	15000.00
16	Supply of 45W, 6.6A bi-pin halogen lamp suitable for Thorn make taxiway/turning pad/apron edge light 'EL-EAM' fittings (Make- As per approved list)	Each	25.00	500.00	12500.00
17	Supply of Bi-Pin Holders suitable for the halogen lamps of Thorn make PAPI 'PU3L' & Taxiway Light 'EL-EAM' fittings.(Make- As per approved list)	Each	25.00	400.00	10000.00
18	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)				
18.1	200 Watt 6.6 A/ 6.6 A (PAPI)	Each	10.00	4000.00	40000.00
18.2	150 Watt 6.6 A/ 6.6 A	Each	10.00	4000.00	40000.00
18.3	45 Watt, 20 A / 6.6 A (Turning Pad)	Each	10.00	3000.00	30000.00
19	Supply of following capacity fuses in 4 KVA, 7.5 KVA, 30 KVA CCR Panels as specified in particular specification etc as required.(Make- GE/As per approved list)				
19.1	Fuse 100 Amps 600 V 200KA (as per sample)	Each	10.00	350.00	3500.00
19.2	Fuse 50 Amps 600 V 200KA (as per sample)	Each	10.00	250.00	2500.00
19.3	Fuse 30 Amps 600 V 200KA (as per sample)	Each	20.00	200.00	4000.00
19.4	Fuse 2 Amps 500 V 0.70 W (as per sample)	Each	10.00	30.00	300.00
20	Supply of neoprene gasket suitable for covering C.I. Transforrmr housing boxes 6 nos. holes complete as required.	Each	100.00	90.00	9000.00
21	Supply of one no Digital Megger (500V DC-1000V DC) Battery Operated/portable complete as required	Each	1.00	9000.00	9000.00
22	Supply of HT insulated tape (heavy duty) suitable for 5KV grade Cable	Each	15.00	600.00	9000.00
23	Supply of 5KV grade plug and receptacle.				
23.1	16 Sqmm	Each	25.00	450.00	11250.00
23.2	6 Sqmm	Each	25.00	450.00	11250.00

Sl.No	Description of Work / Item(s)	Units	Qty.	Rate	Amount
24	Servicing/ maintenance of 2X400 KVA, 3 Phase Volina make Servo Stabilizers, 3X10 KVA 3 Phase, 7.5 KVA 3 Phase and 8 KVA single Phase Servokon make Servo Stabilizer by OEM / authorized service agent of OEM / Specialized Agency. (Job does not include supply of spares) (1 Job = 1 visit).	Job	4.00	7000.00	28000.00
25	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 including all spares except batteries and power cable. all parameters shall be as per enclosed specifications.				
25.1	For 1st Year (12 Months)	Months	12.00	15000.00	180000.00
25.2	For 2nd year (12 Months)	Months	12.00	16000.00	192000.00
26	Operation and Maintenance Contract of various reputed Make(honeywell, agni and EST) Addressable Fire Alarm & Detection System at ATC-cum-Tech. Block, Power House,OTB, comprising of control panels, repeater panels, Manual Call Points, Detectors, Hooters, Mimic Panel, PA System, UPS System, Batteries complete circuit & loop wiring etc. i/c all other associated accessories for satisfactory operation & making the system serviceable, periodically cleaning & testing all the associated accessories confirming to OEM specification and Special Terms and conditions attending the breakdown/ faults, preventive maintenance, ensuring serviceability / satisfactory working condition of the system, maintenance of records / documentation etc. as per the detailed specifications, terms and conditions covered under this contract on all days including Sundays and holidays complete as required. 1-Fire Fighting Technician (Skilled) -----01 2-Semi-skilled (pump/DG operator)-----04 3-Un- Skilled -----01 NOTE: Shift timing will be decided by Engineering-in-charge or his representative as per the site requirement and flight operational hours.	Months	24.00	102000.00	2448000.00
27	Visit of Specialized Authorized Engineer for checking of servicibility 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.	Visit	4.00	1800.00	7200.00
28	Supply of following spares required for Fire alarm and detection system on as an when required basis complete with the satisfaction of Engineer-in-charge.				
28.1	Addressable type smoke detector	Nos.	5.00	1800.00	9000.00
28.2	Addressable type Manual Call Point	Nos.	1.00	2100.00	2100.00
28.3	Addressable type Hooter	Nos.	1.00	2500.00	2500.00
28.4	Response Indicator.	Nos.	1.00	400.00	400.00
28.5	Control module	Nos.	1.00	2900.00	2900.00
29	Repairing, servicing sluice/ butterfly valves/ NRV etc. of different sizes provided in the fire system at various locations of fire hydrant and sprinkler system as required .(Item will be executed only if required)	Job	1.00	900.00	900.00
30	Repairing & servicing of following capacity pump sets after dismantaling and providing 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)				
30.1	Jockey Pump Set	Job	1.00	6500.00	6500.00
30.2	Sprinkler Pump Set	Job	1.00	8500.00	8500.00
30.3	Hydrant pump	Job	1.00	15000.00	15000.00

Sl.No	Description of Work / Item(s)	Units	Qty.	Rate	Amount
31	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 to give an even shade, including cleaning of surface with detergent etc of approved brand or as approved by engineer-in-charge as required.				
31.1	40 mm Dia	RM	100.00	20.00	2000.00
31.2	80 mm Dia	RM	100.00	20.00	2000.00
31.3	100 mm Dia	RM	100.00	25.00	2500.00
31.4	150 mm Dia.	RM	100.00	25.00	2500.00
31.5	200 mm Dia.	RM	100.00	30.00	3000.00
32	Daily operation, maintenance, servicing, cleaning of Split ACs, Water Coolers, RO systems installations at Terminal building, Technical cum ATC Building, Fire Station, Medical Centre & Administrative offices, DVOR, Glide Path, Localizer, CISF Barrack etc. and other related areas by deploying 3 nos. skilled manpower as per special conditions of contract. (i) For 2 Years (24 Months) 1-Technician Grade-I AC mechanic (Skilled) -----03 nos. 2-Un-Skilled -----01 no. NOTE: Shift timing will be decided by Engineering-in-charge or his representative as per the site requirement and flight operational hours.	Months	24.00	83000.00	1992000.00
33	Annual comprehensive maintenance of 1.5 TR / 2 TR capacity window / split type A/C units of different makes i/c replacement of defective compressor by same company compressor and defective components with original spares i/c repair & maintenance of voltage stabilizer etc as reqd. (i) For 1st Year (12 Months)	Each	53.00	300.00	15900.00
34	Annual comprehensive maintenance of 1.5 TR / 2 TR capacity window / split type A/C units of different makes i/c replacement of defective compressor by same company compressor and defective components with original spares i/c repair & maintenance of voltage stabilizer etc as reqd. (ii) For 2nd year (12 Months)	Each	53.00	300.00	15900.00
35	Annual comprehensive maintenance of 3.0 TR / 3.5 TR / 4.5TR capacity Tower/ Cassette type A/C units of different makes i/c replacement of defective compressor by same company compressor and defective components with original spares etc as reqd. (i) For 1st Year (12 Months)	Each	20.00	7000.00	140000.00
36	Annual comprehensive maintenance of 3.0 TR / 3.5 TR / 4.5TR capacity Tower/ Cassette type A/C units of different makes i/c replacement of defective compressor by same company compressor and defective components with original spares etc as reqd. (ii) For 2nd year (12 Months)	Each	20.00	9000.00	180000.00
37	Annual comprehensive maintenance of various capacity water coolers of different makes i/c replacement of defective compressor and defective components with original spares i/c repair & maintenance of etc as reqd. (i) For 1st Year (12 Months)	Each	25.00	4000.00	100000.00
38	Annual comprehensive maintenance of various capacity water coolers of different makes i/c replacement of defective compressor and defective components with original spares i/c repair & maintenance of etc as reqd. (ii) For 2nd year (12 Months)	Each	25.00	5500.00	137500.00
39	Dismantling and reinstallation, testing & commissioning of all type of Split/ tower/ cassette type of 1.5/2/3/3.5 TR AC's i/c refilling of refrigerant gas, fixing of existing suction, discharge & drain pipe including providing the foundation/angle iron frame etc as required.	Job	10.00	2000.00	20000.00

Sl.No	Description of Work / Item(s)	Units	Qty.	Rate	Amount
40	SITC of refrigerant piping including insulation for suction & discharge line of 1.5/2.0/3.0/3.5 TR, split/cassette/tower type AC units & FR PVC insulated Cu conductor cable required for connection between indoor & outdoor units and protective covering.	Meter	50.00	500.00	25000.00
41	Supply & fixing of 25mm Drain pipe from indoor unit of Air conditioner.	Meter	50.00	80.00	4000.00
42	Supply & fixing of UPVC trunk of size 100 X 50mm size, 2mm thickness on surface (MK/precision make)	Meter	50.00	100.00	5000.00
43	Annual Comprehensive Maintenance of reverse Osmosis system of ION Exchange make (Zero B Commercial) of capacity 25 LPH i/c preventive maintenance as recommended by OEM and providing and replacement of all defective parts as and when required to maintain serviceability. (For a period of 12 months) (i) For 1st Year (12 Months)	Each	18.00	4500.00	81000.00
44	Annual Comprehensive Maintenance of reverse Osmosis system of ION Exchange make (Zero B Commercial) of capacity 25 LPH i/c preventive maintenance as recommended by OEM and providing and replacement of all defective parts as and when required to maintain serviceability. (For a period of 12 months) (ii) For 2nd year (12 Months)	Each	18.00	5500.00	99000.00
45	Annual Comprehensive Maintenance of reverse Osmosis system Model (Zero B Commercial & aquafresh) of capacity 50 LPH i/c preventive maintenance as recommended by OEM and providing and replacement of all defective parts as and when required to maintain serviceability.(For a period of 12 months) (i) For 1st Year (12 Months)	Each	2.00	5500.00	11000.00
46	Annual Comprehensive Maintenance of reverse Osmosis system Model (Zero B Commercial & aquafresh) of capacity 50 LPH i/c preventive maintenance as recommended by OEM and providing and replacement of all defective parts as and when required to maintain serviceability.(For a period of 12 months) (ii) For 2nd year (12 Months)	Each	2.00	6000.00	12000.00
47	Testing of water samples collected from various areas of Dehradun Airport at Government approved laboratory and submission of analysis report.	Job	8.00	2000.00	16000.00
48	DSR Items (%rate above or below) All items covered under CPWD, DSR electrical 2018 upto an amount of Rs. 3,12,100/-. (Including Operational area charges, Labour Cess etc.). Note: 1. Rate quoted shall be inclusive of any taxes, duties, Cess, fee, royalty charges etc. levied under any statute but exclusive of GST, PF, ESIC & Bonus. Goods & Services Tax (GST) shall be paid to the contractor for any taxable supply/ services/works against a valid tax invoice as per terms and conditions of the contract. 2. Being execution of work in operational area of airport, nos. of working hours might be restricted, accordingly contractor has to quote considering all these factors as per SCC. On this account, any claim for extra payment shall not be entertained.	Job	1.00	125000.00	125000.00
Total (Including Operational Area Charges but Excluding Contingencies & GST) Rs.					15576350.00

(Rs. One Crore Fifty Five Lakhs Seventy Six Thousand Three Hundred Fifty Only)

Note: Rates are inclusive of all the taxes excluding GST


 Joint General Manager (Engg-E), Project
 Airports Authority of India
 Dehradun Airport