



संख्या: भा.वि.प्रा./बागडोगरा/सहा.महाप्रबंधक(अभि.-वि.)/सि.डब्ल्यू.-04/2024-25/239  
No. : AAI/BD/AGM(E-E)/CW-04/2024-25/239

दिनांक: 23-01-2025  
Date: 23-01-2025

सेवा मे,  
मेसर्स. सिएसि इंजीनियर्स (प्रा.) लि.  
न्यु नम्बर 16 पुराना नम्बर 193, थीरुवासगम एसटी  
गांधी नगर मुख्य सडक एक्काथुंगल  
चेन्नाई - 600032  
ई-मेल: cacengineers@yahoo.in

To,  
CAC ENGINEERS PVT LTD  
New no 16 old no 193 Thiruvassagam st  
Gandhi Nagar Main Road Ekkathungal  
Chennai-600032  
E-Mail: cacengineers@yahoo.in

**विषय/Subject:** बागडोगरा हवाई अड्डे के आगमन क्षेत्र में 05 वर्ष के लिए एआईसीएमसी साथ (डीएलपी के 02 वर्षों के बाद) वीआरएफ/वीआरवी प्रकार के एसी प्रणाली का प्रावधान।

1/ Provision of VRF/VRV type AC system in Arrival Area in Bagdogra Airport along with AICMC for 05 Years.(After 02 years of DLP).

संदर्भ / Ref : 1) E-Tender ID No.: 2024\_AAI\_214505\_1

प्रिय महोदय / Dear Sir(s),

- उपर्युक्त कार्य हेतु आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा बताए गए मद मूल्यों पर आपकी उद्धृत राशि कुल रु. 1,80,97,331.00 (जी.एस.टी. छोड़कर), पर स्वीकृत की जाती है, जो कि टेंडर की न्यायोचित राशि रु. 2,33,89,718.00 (जी.एस.टी. छोड़कर) से 22.63% नीचे है।  
Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs. 1,80,97,331 (Rupees One Crore Eighty Lakh Ninety Seven Thousand Three Hundred and Thirty Seven only) excluding GST, which is 22.63% (Twenty two point six three percent) below the Justified Cost of Rs. 2,33,89,718.00 (excluding GST).
- सहायक महाप्रबंधक (अभि.-विद्युत)-I, भा.वि.प्रा., बागडोगरा हवाईअड्डा, बागडोगरा-734421, इस कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे निवेदन है कि आपकी ओर से आप अथवा आपके द्वारा अधीकृत प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 17.02.2025 तक सहायक महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., बागडोगरा हवाईअड्डा के कार्यालय में करार पर हस्ताक्षर करने एवं उसको पूरा करने हेतु उपस्थित हो। ठेके का करारनामा रु. 100/- (रुपया एक सौ मात्र) के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा तथा स्टाम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।  
Assistant General Manager (Engg. -Elect.)-I, AAI, Bagdogra Airport, Bagdogra-734421 shall be the Engineer-in - Charge of the work. You are requested to attend the office of Assistant General Manager (Engg. -Elect.), AAI, Bagdogra Airport, Bagdogra - 734421 by 17.02.2025 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.
- आपके निविदा से साथ प्राप्त बयाना राशि रु. 4,68,309/- को संविदा दस्तावेज के पृष्ठ 16 | GCC पर दी गई क्लॉज जी.सी.सी. 1(ए) के अनुसार सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया इस पत्र के 10 दिन में सुरक्षा जमा के लिए रु. 13,41,424/- जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज के पृष्ठ 16 | GCC पर दी गई क्लॉज जी.सी.सी. 1(ए) के अनुसार आपके रनिंग बिल से काट ली जाएगी।  
The earnest money amount of Rs. 4,68,309/- (Rupees Four Lakh Sixty Eight Thousand Three Hundred and Nine only) received along with your tender has been converted as part of security deposit as per GCC clause 1(A) on page 16 | GCC of the contract document. Please deposit Rs. 13,41,424/- (Rupees Thirteen Lakh Forty One Thousand Four Hundred and Twenty Four only) towards Security Deposit within 10 days from issue of this letter, failing which, the same will be deducted from your running bills as per GCC clause 1(A) on page 16 | GCC of the contract document.
- आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम श्रम अनुबंध नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन अवश्य करें।  
You are requested to comply with the provision of Contract Labour (Regulation & Abolition) Act 1970 and Contract Labour (Regulation & Abolition) Central Rules 1971 and minimum wages act and rules thereof Central and State Governments.

देवदीप देहा  
23/01/2025  
Aem(ee)

5. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमानित समय 05 (पाँच) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10वें दिन के बाद से की जाएगी।

Please note that the time allowed for carrying out the work shall be 05 (Five) months and same shall be reckoned from the 10th day after issue of this letter.

6. आपको निर्देश दिया जाता है कि आप तुरंत प्रबंधक (अभि.-विद्युत)-III, भा.वि.प्रा., बागडोगरा हवाईअड्डा, बागडोगरा-734421 से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे।

You are directed to contact with the Manager (Engg. -Elect.)-III, AAI, Bagdogra Airport, Bagdogra-734421 who will arrange to hand over the site to you.

7. इस ठेके के संबंध में आगे का कोई भी पत्राचार इंजीनियर-इन-चार्ज को किया जाएगा।

Any further correspondence in connection with the contract should normally be addressed to the Engineering-in-Charge.

8. कृपया पावती भेजे और स्वीकृति प्रतिलिपि के तौर पर संलग्नित पत्र की हस्ताक्षरित प्रति इस कार्यालय को अवश्य भेजे।

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

9. यदि अंग्रेजी और हिन्दी पाठ में कोई असंगति पायी जाती है तो अंग्रेजी पाठ को सही माना जाएगा।

If there is any discrepancy between English and Hindi, then meaning derived in English will be given precedence.

संलग्न/Encl : i) Schedule of work (Total 9 pages)

भवदीय/Yours faithfully,

Sd/-

सहायक महा प्रबंधक (अभि.-विद्युत)-I, ए.ए.आई., बागडोगरा विमानतल

AGM (Engg. -Elect.)-I, AAI, Bagdogra Airport,

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण के लिए व उनकी तरफ से

For and on behalf of the Chairman, Airports Authority of India

जानकारी के लिए प्रतिलिपि/Copy for information:

जानकारी के लिए प्रतिलिपि/Copy for information:

- क्षेत्रीय कार्यपालक निदेशक, पूर्वी क्षेत्र, भा.वि.प्रा. क्षेत्रीय मुख्यालय (पूर्वी क्षेत्र), ने.सु.च.बो.अ. हवाईअड्डा, कोलकाता-700052  
The Regional Executive Director, ER, AAI, RHQ(ER), NSCBI Airport, Kolkata-700052
- महा प्रबंधक(अभि.) पूर्वी क्षेत्र, भा.वि.प्रा. क्षेत्रीय मुख्यालय (पूर्वी क्षेत्र), ने.सु.च.बो.अ. हवाईअड्डा, कोलकाता-700052  
The General Manager (Engg.), ER, AAI, RHQ(ER), NSCBI Airport, Kolkata-700052
- महा प्रबंधक(वित्त.), पूर्वी क्षेत्र, भा.वि.प्रा. क्षेत्रीय मुख्यालय (पूर्वी क्षेत्र), ने.सु.च.बो.अ. हवाईअड्डा, कोलकाता-700052  
The General Manager (Finance), ER, AAI, RHQ(ER), NSCBI Airport, Kolkata-700052
- विमानपत्तन निदेशक, बागडोगरा हवाईअड्डा, भा.वि.प्रा., दार्जिलिंग, सिलिगुड़ी-734421  
The Airport Director, Bagdogra Airport, AAI, Darjeeling, Siliguri-734421
- उप महाप्रबंधक (अभि.-वि.), बागडोगरा हवाईअड्डा, भा.वि.प्रा., दार्जिलिंग, सिलिगुड़ी-734421  
The Dy. General Manager (Engg.-Elect.), Bagdogra Airport, AAI, Darjeeling, Siliguri-734421
- उप महाप्रबंधक (अभि.-सि.), बागडोगरा हवाईअड्डा, भा.वि.प्रा., दार्जिलिंग, सिलिगुड़ी-734421  
The Dy. General Manager (Engg.-Civil.), Bagdogra Airport, AAI, Darjeeling, Siliguri-734421
- उप महाप्रबंधक (वित्त.), बागडोगरा हवाईअड्डा, भा.वि.प्रा., दार्जिलिंग, सिलिगुड़ी-734421  
The Dy. General Manager (Finance), Bagdogra Airport, AAI, Darjeeling, Siliguri-734421
- प्रबंधक (अभि.-वि.)-III, बागडोगरा हवाईअड्डा, भा.वि.प्रा., दार्जिलिंग, सिलिगुड़ी-734421  
The Manager (Engg.-Elect.)-III, Bagdogra Airport, AAI, Darjeeling, Siliguri-734421
- संबंधित फाइल/Concerned File.
- श्रम आयुक्त का कार्यालय (केंद्रीय), चौधरी कॉम्प्लेक्स, नई मस्जिद के पास, महानंदा पारा, बर्दवान रोड, सिलिगुड़ी-734001  
Office of the Labour Commissioner (Central), Choudhury Complex, Near New Masjid, Mahananda Para, Burdwan Road, Siliguri-734001
- दफ्तर की कॉपी/Office copy.
- करारनामे की कॉपी/Agreement copy

देवदीप दत्ता  
23/01/2025  
(देवदीप दत्ता /Debdip Dutta)

सहायक महा प्रबंधक (अभि.-विद्युत)-I, ए.ए.आई., बागडोगरा विमानतल

AGM (Engg. -Elect.)-I, AAI, Bagdogra Airport,

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण के लिए व उनकी तरफ से

For and on behalf of the Chairman, Airports Authority of India



**AIRPORTS AUTHORITY OF INDIA  
ENGINEERING ELECTRICAL WING  
BAGDOGRA AIRPORT**

**SCHEDULE OF QUANTITY**

Name of Work: Provision of VRF/VRV type AC system in Arrival Area in Bagdogra Airport along with AICMC for 05 Years.(After 02 years of DLP).

**SH I- SITC of VRF/VRV AC and allied Jobs.**

| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity | Unit | Rate (Rs.)     | Amount (Rs.)   |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|----------------|----------------|
| 1.00  | Supply, Installation, Testing and Commissioning of variable Refrigerant Flow modular type air conditioning system complete with indoor & outdoor units with individual cordless controller as per the following capacities of the IDU and ODU.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |                |                |
| 1.10  | Supply, Installation, Testing & Commissioning of modular type Variable Refrigerant Flow air cooled Outdoor units suitable for cooling, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable concrete foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 53°C ambient temperature without tripping. The unit shall be suitable to work on 415V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.8<br>The capacity of VRF/VRV unit is minimum 300 HP (ODU to be supplied in multiple of VRF/ VRV units, maximum upto 3 type unit sizes). | 1        | Job  | ₹ 44,67,600.00 | ₹ 44,67,600.00 |
| 1.20  | Supply, installation, testing and commissioning of minimum 4 TR capacity 4-way flow VRF Cassette Type Indoor ceiling mounted Indoor unit equipped with fan section with low noise fan / dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, outer cabinet, cord less remote control, drain pan, necessary accessories etc., suitable for operation on 230 V ± 10%, 50 Hz, single phase AC supply, complete as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature.                                                                                                                                                                                | 47       | Each | ₹ 31,907.40    | ₹ 14,99,647.80 |

  
 23/01/2025  
 AGM(E-C)



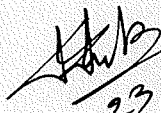
| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity | Unit  | Rate (Rs.)  | Amount (Rs.)  |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------------|---------------|
| 1.30  | Supply, installation, testing and commissioning of High Static Ductable Indoor units of minimum 8.0 TR capacity and external static pressure VRF/VRV ceiling mounted ductable type Indoor unit equipped with washable synthetic media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX copper coil, electronic expansion valve, corded remote control, outer cabinet, vibration isolators, drain pipe, other necessary supports etc. suitable for operation on single phase AC supply 230 V $\pm$ 10%, 50 Hz complete as required. The unit shall have automatic force shutdown provision in case of fire on receiving signal from BMS system. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree C WB temperature. | 9        | Each  | ₹ 69,371.50 | ₹ 6,24,343.50 |
| 2.00  | Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing among following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with Nitrile Rubber Class-O tubular insulation/with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc.as applicable for the system :                                                                                                                                                                                                                                |          |       |             |               |
| 2.01  | 9-11 mm dia (OD) (Soft drawn) with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 250      | Metre | ₹ 376.95    | ₹ 94,237.50   |
| 2.02  | 12-13 mm dia (OD) (Soft drawn) mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 80       | Metre | ₹ 770.70    | ₹ 61,656.00   |
| 2.03  | 14-16 mm dia (OD) (Soft drawn) with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300      | Metre | ₹ 641.55    | ₹ 1,92,465.00 |
| 2.04  | 17-20 mm dia (OD) (Hard drawn)mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 350      | Metre | ₹ 770.70    | ₹ 2,69,745.00 |
| 2.05  | 21-23 mm dia (OD) (Hard drawn) with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 120      | Metre | ₹ 900.90    | ₹ 1,08,108.00 |
| 2.06  | 24-26 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 150      | Metre | ₹ 945.00    | ₹ 1,41,750.00 |
| 2.07  | 27-29 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 250      | Metre | ₹ 1,177.05  | ₹ 2,94,262.50 |
| 2.08  | 30-32 mm dia (OD) (Hard drawn) with tube thickness 1.6 mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 70       | Metre | ₹ 1,279.95  | ₹ 89,596.50   |
| 2.09  | 33-35 mm dia (OD) (Hard drawn) with tube thickness 1.6 mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30       | Metre | 1873.20     | ₹ 56,196.00   |
| 2.10  | 36-39 mm dia (OD) (Hard drawn) with tube thickness 1.6 mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100      | Metre | ₹ 1,950.00  | ₹ 1,95,000.00 |
| 2.11  | 40-42 mm dia (OD) (Hard drawn) with tube thickness 1.6 mm with 19 mm thick insulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 90       | Metre | ₹ 2,211.30  | ₹ 1,99,017.00 |

  
 23/01/2025  
 AGM (E-E)

| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                  | Quantity | Unit    | Rate (Rs.) | Amount (Rs.)  |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---------------|
| 2.12  | 43-45 mm dia (OD) (Hard drawn) with tube thickness 1.6 mm with 19 mm thick insulation                                                                                                                                                                                                                                                | 90       | Metre   | ₹ 2,225.00 | ₹ 2,00,250.00 |
| 2.13  | 46-55 mm dia (OD) (Hard drawn) with tube thickness 1.6 mm with 19 mm thick insulation                                                                                                                                                                                                                                                | 150      | Metre   | ₹ 1,976.25 | ₹ 2,96,437.50 |
| 3.00  | Supply, Installation, Testing and Commissioning of Refnet Joints & Branch Distributors for Indoor & Outdoor units as applicable to the system design as per OEM recommendation.                                                                                                                                                      | 56       | Each    | ₹ 3,500.00 | ₹ 1,96,000.00 |
| 4.00  | Providing & fixing rigid UPVC piping complete with fittings, supports as per specifications and pre insulated with 6mm thick closed cell elastomeric nitrile rubber tubular thermal insulation.                                                                                                                                      |          |         |            |               |
| 4.10  | 25 MM Dia                                                                                                                                                                                                                                                                                                                            | 350      | Metre   | ₹ 250.00   | ₹ 87,500.00   |
| 4.20  | 32 MM Dia                                                                                                                                                                                                                                                                                                                            | 250      | Metre   | ₹ 350.00   | ₹ 87,500.00   |
| 4.30  | Ducting                                                                                                                                                                                                                                                                                                                              |          |         |            |               |
| 5.00  | Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per OEM standards as per approved drawings and specifications of following sheet thickness complete as required. |          |         |            |               |
| 5.10  | 24 G (Thickness 0.63 mm sheet)                                                                                                                                                                                                                                                                                                       | 120      | Sq. mtr | ₹ 800.00   | ₹ 96,000.00   |
| 5.20  | Grillers/Diffuser                                                                                                                                                                                                                                                                                                                    |          |         |            |               |
| 6.00  | Supply, installation, testing and commissioning of grilles/diffuser as per specification and drawing.                                                                                                                                                                                                                                |          |         |            |               |
| 6.10  | Aluminium supply air jet diffuser                                                                                                                                                                                                                                                                                                    | 27       | Nos     | ₹ 3,000.00 | ₹ 81,000.00   |
| 7.00  | Supplying and drawing 3C x 0.75 Sqmm FRLS PVC shielded copper in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                                                      | 2000     | Mtr.    | ₹ 110.00   | ₹ 2,20,000.00 |
| 8.00  | Supplying and drawing 3C x 1.5 sqmm of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                      | 2000     | Mtr.    | ₹ 86.25    | ₹ 1,72,500.00 |
| 9.00  | Supplying and fixing of 25 mm size of Steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.                                                                                                    | 2000     | Mtr.    | ₹ 92.00    | ₹ 1,84,000.00 |
| 10.00 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/submain wiring/ cable as required.                                                                                                                                                                  | 500      | Mtr.    | ₹ 38.50    | ₹ 19,250.00   |
| 11.00 | Supply of 4 CORE 35 sq.mm. XLPE insulated and PVC sheathed FRLS aluminium conductor armoured Power Cable of 1.1KV grade, conforming to IS 7098, Part-I 1988 with up to date amendments and conforming to technical specifications.                                                                                                   | 200      | Mtr.    | ₹ 402.50   | ₹ 80,500.00   |

  
 23/01/2025  
 AGM(F-B)

| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                 | Quantity | Unit  | Rate (Rs.)  | Amount (Rs.)  |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------------|---------------|
| 12.00 | Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Upto 35 sq. mm (clamped with 1mm thick saddle) on wall surface as required.                                                                                                                                                    | 200      | Mtr.  | ₹ 38.50     | ₹ 7,700.00    |
| 13.00 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.                                                                                                                             |          |       |             |               |
| 13.10 | a) 4 X 35 sq. mm (32mm)                                                                                                                                                                                                                                                                                                             | 4        | Set   | ₹ 450.00    | ₹ 1,800.00    |
| 14.00 | Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required. |          |       |             |               |
| 14.10 | 150 mm width X 50 mm depth X 1.6 mm thickness                                                                                                                                                                                                                                                                                       | 350      | Meter | ₹ 858.00    | ₹ 3,00,300.00 |
| 14.20 | 300 mm width X 50 mm depth X 1.6 mm thickness                                                                                                                                                                                                                                                                                       | 500      | Meter | ₹ 1,210.00  | ₹ 6,05,000.00 |
| 15.00 | Refrigerant-410a Supply , charging & Leakage testing of refrigerant - 410a in additional copper piping circuit.                                                                                                                                                                                                                     | 150      | Kg    | ₹ 900.00    | ₹ 1,35,000.00 |
| 16.00 | Lifting/lowering & shifting of ODUs & IDUs as per site requirement.                                                                                                                                                                                                                                                                 | 1        | Job   | ₹ 25,000.00 | ₹ 25,000.00   |
| 17.00 | Supplying and fixing 12 way double door, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB / RCCB / Isolator)           | 3        | Job   | ₹ 2,750.00  | ₹ 8,250.00    |
| 18.00 | Supplying and fixing of following ways surface/ recess mounting, Horizontal type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB/MCCB ) as required .          |          |       |             |               |
| 18.10 | 8 way (4 + 24), Double door, suitable for MCCB Incoming                                                                                                                                                                                                                                                                             | 1        | Job   | ₹ 2,625.00  | ₹ 2,625.00    |
| 19.00 | Supplying and fixing of following rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.                                                                                   |          |       |             |               |
| 19.10 | Single pole (5 amps to 32 amps)                                                                                                                                                                                                                                                                                                     | 48       | Each  | ₹ 165.00    | ₹ 7,920.00    |
| 19.20 | Double Pole, 63 Amp                                                                                                                                                                                                                                                                                                                 | 3        | Each  | ₹ 3,850.00  | ₹ 11,550.00   |
| 19.30 | Triple pole (5 amps to 32 amps)                                                                                                                                                                                                                                                                                                     | 2        | Each  | ₹ 192.50    | ₹ 385.00      |
| 19.40 | Triple pole and neutral (63 Amps)                                                                                                                                                                                                                                                                                                   | 2        | Each  | ₹ 3,850.00  | ₹ 7,700.00    |
| 20.00 | Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.<br>a) Blanking plate                                                                                                                                                                                                              | 2        | Job   | ₹ 100.00    | ₹ 200.00      |
| 21.00 | Supply and fixing of 1 Mtr Air curtain along with sensor at Bagdogra Airport as per technical specification.                                                                                                                                                                                                                        | 10       | Job   | ₹ 19,500.00 | ₹ 1,95,000.00 |

  
 23/01/2025  
 AGM (E-6)



| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quantity | Unit | Rate (Rs.)  | Amount (Rs.)  |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------------|---------------|
| 22.00 | Supply and fixing of 1.2 Mtr Air curtain at Bagdogra Airport as per technical specification.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9        | Job  | ₹ 21,500.00 | ₹ 1,93,500.00 |
| 23.00 | SITC of outdoor PTTA type LT Panel, made out of 14 SWG CRCA sheet steel double door, totally enclosed, IP-55, protection free standing, floor mounting, dust and vermin proof, compartmentalized, powder coated painting suitable for operation on 3 Phase and neutral, 415V, 50 Hz AC supply system with bus bars extensible on both sides, entire panel shall have a common Copper earth bus bar of size 25 mm x 6 mm at the rear with 2 Nos. earth stud, interconnections with suitable size of copper leads/ solid aluminium strips. (Panel shall conform to IEC 60439 & of Form-4b construction). |          |      |             |               |
| 23.01 | Incomer:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |      |             |               |
| 23.02 | 02 No. MCCB LISG type, 400 Amps, 4 pole, 35 kA (Ics=100% Icu) with adjustable setting, microprocessor release with O/C & S/C protection with simultaneous double break mechanism & total break time less than equal to 10ms with Spreader terminal of both side                                                                                                                                                                                                                                                                                                                                        |          |      |             |               |
| 23.03 | Bus Coupler:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |      |             |               |
| 23.04 | 01 No. MCCB LISG type, 400 Amps, 4 pole, 35 kA (Ics=100% Icu) with adjustable setting, microprocessor release with O/C & S/C protection with simultaneous double break mechanism & total break time less than equal to 10ms with Spreader terminal of both side as Bus Coupler                                                                                                                                                                                                                                                                                                                         |          |      |             |               |
| 23.05 | Busbars:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |      |             |               |
| 23.06 | 4P aluminum bus bars of minimum 600 A capacity with heat shrinkable coloured sleeves i/c SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 35 KA for 1 sec.                                                                                                                                                                                                                                                                                                                                                   |          |      |             |               |
| 23.07 | Instruments & accessories:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |             |               |
| 23.08 | 2 No. 96 mm x 96 mm digital type Voltmeter suitable range for 3phase,4 wire operation with LED display and selector switch backup by 3 nos of 2Amp MCB.                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |             |               |
| 23.09 | 2 No.96 mm x 96 mm digital type Ammeter for 3 phase 4 wire operation with LED display and selector switch and CT's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |             |               |
| 23.10 | 2 Set of LED type phase indicating lamps (RYB) and 3 set LED type Indicating lamps for ON-OFF controlled by 2Amp MCBs .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |             |               |
| 23.11 | 4 Pole SPD's of type 2 class C with both the Incomer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |             |               |
| 23.12 | 3 Set Rotary operating mechanism and terminal extension spreaders with door interlock for all the MCCB's.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |      |             |               |

  
 23/01/2025  
 AGM (E-E)

| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity | Unit | Rate (Rs.)    | Amount (Rs.)  |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|---------------|---------------|
| 23.13 | Mechanical & Electrical Interlocking system for Incomer & Bus Coupler.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |               |               |
| 23.14 | Outgoing:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |      |               |               |
| 23.15 | 06 Nos MCCB(Ics=100% Icu), 100 Amps, 4 Pole, min 25 kA with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection,including connections etc as required with LED type ON-OFF Indicating lamp controlled by 2Amp MCBs .                                                                                                                                                                                                                                                                                                                     | 1        | Job  | ₹ 5,75,000.00 | ₹ 5,75,000.00 |
| 24.00 | SITC of Indoor TTA type LT Panel, made out of 14 SWG CRCA sheet steel double door, totally enclosed, IP-55, protection free standing, floor mounting, dust and vermin proof, compartmentalized, powder coated painting suitable for operation on 3 Phase and neutral, 415V, 50 Hz AC supply system with bus bars extensible on both sides, entire panel shall have a common Copper earth bus bar of size 25 mm x 6 mm at the rear with 2 Nos. earth stud, interconnections with suitable size of copper leads/ solid aluminium strips. (Panel shall conform to IEC 61439 -1&2 & of Form-4b construction). |          |      |               |               |
| 24.01 | Incomer:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |               |               |
| 24.02 | 02 No. MCCB LISG type, 630 Amps, 4 pole, 50 kA (Ics=100% Icu) with adjustable setting, microprocessor release with O/C & S/C protection with simultaneous double break mechanism & total break time less than equal to 10ms with Spreader terminal of both side .                                                                                                                                                                                                                                                                                                                                         |          |      |               |               |
| 24.03 | Bus Coupler:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |      |               |               |
| 24.04 | 01 No. MCCB, LISG type, 630 Amps, 4 pole, 50 kA (Ics=100% Icu) with adjustable setting, microprocessor release with O/C & S/C protection with simultaneous double break mechanism & total break time less than equal to 10ms with Spreader terminal of both side as Bus Coupler                                                                                                                                                                                                                                                                                                                           |          |      |               |               |
| 24.05 | Busbars:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |      |               |               |
| 24.06 | 4P aluminum bus bars of minimum 1000 A capacity with heat shrinkable coloured sleeves i/c SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 36 KA for 1 sec.                                                                                                                                                                                                                                                                                                                                                     |          |      |               |               |
| 24.07 | Instruments & accessories:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |               |               |
| 24.08 | 2 No. 96 mm x 96 mm digital type Voltmeter suitable range for 3phase,4 wire operation with LED display and selector switch backup by 3 nos of 2Amp MCB.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |      |               |               |
| 24.09 | 2 No.96 mm x 96 mm digital type Ammeter for 3 phase 4 wire operation with LED display and selector switch and CT's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |               |               |
| 24.10 | 2 Set of LED type phase indicating lamps (RYB) and 3 set LED type Indicating lamps for ON-OFF controlled by 2Amp MCBs .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |      |               |               |
| 24.11 | 4 Pole SPD's of type 2 class C with both the Incomer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |      |               |               |

  
 23/01/2025  
 AGM(E&E)



| Sl.No | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quantity | Unit  | Rate (Rs.)    | Amount (Rs.)  |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------|---------------|
| 24.12 | 3 Set Rotary operating mechanism and terminal extension spreaders with door interlock for all the MCCB's.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |       |               |               |
| 24.13 | Mechanical & Electrical Interlocking system for Incomer & Bus Coupler.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |       |               |               |
| 24.14 | Outgoing:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |       |               |               |
| 24.15 | (i) 02 Nos MCCB(Ics=100% Icu) each for 500 Amps,400Amps,250 Amps & 125 Amps each having 4 Pole, min 36 kA,(Total 08 nos of MCCB) with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection, including connections etc as required with LED type ON-OFF Indicating lamp controlled by 2Amp MCBs.                                                                                                                                                                                                                                                                                                                                                                                         | 1        | Job   | ₹ 4,75,000.00 | ₹ 4,75,000.00 |
| 25.00 | SITC of outdoor type totally enclosed double door junction box having IP-55 protection, made out of 14 SWG CRCA sheet steel ,free standing, floor mounting with angle supports, dust and vermin proof, powder coated painting includes 4P aluminum bus bars of minimum 200 A capacity with heat shrinkable coloured sleeves i/c SMC/DMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 35 KA for 1 sec. Provision of 04 nos. 4P, 63 amp MCB should there as outgoing, interconnected with bus bar with 10 sq.mm size copper leads suitable for operation on 3 Phase and neutral, 415V, 50 Hz AC supply system with 2 Nos. earth stud, etc complete as required. | 4        | Job   | ₹ 55,000.00   | ₹ 2,20,000.00 |
| 26.00 | To execute the work opening and closing of desired number of existing 2X2 mettalic false celing and cutting of false celing to fix cassette IDUs. All the false celing need to be fixed with professional civil man power as required suitable as per site requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1        | Job   | ₹ 25,000.00   | ₹ 25,000.00   |
| 27.00 | Supply of 3.5 core x 300 sqmm XLPE insulated and PVC sheathed aluminium conductor armoured Power Cable of 1.1KV grade, confirming to IS 7098, Part-I 1988 with up to date amendments and confirming to technical specifications.(The outer sheath shall be FRLS.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 450      | Meter | ₹ 990.00      | ₹ 4,45,500.00 |
| 28.00 | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp) on wall surface as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 400      | Meter | ₹ 150.00      | ₹ 60,000.00   |
| 29.00 | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size Above 185 sq. mm and upto 400 sq. mm in the existing RCC/ HUME/DUCT/ METAL pipe as required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50       | Meter | ₹ 150.00      | ₹ 7,500.00    |
| 30.00 | Supplying and making end termination with brass compression gland and aluminium lugs for 3.5 core x 300 sqmm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4        | Set   | ₹ 1,500.00    | ₹ 6,000.00    |
| 31.00 | Supplying and drawing of 3 x 10 sq.mm size FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100      | Meter | ₹ 345.00      | ₹ 34,500.00   |

  
 23/01/2025  
 AGM (E-E)

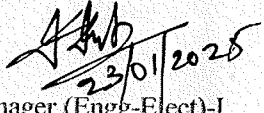
| Sl.No               | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quantity | Unit   | Rate (Rs.) | Amount (Rs.)            |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|-------------------------|
| 32.00               | Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for 3.5C x 300 sq.mm. size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1        | Set    | ₹ 3,675.00 | ₹ 3,675.00              |
| 33.00               | Providing and fixing of 4Pole, 630A, 36 KA MCCB with adjustable setting, microprocessor release with O/C & S/C protection along with rotary handle in the existing cubicle panel boards (i/c. neessary modification) including suitable size bus bar arrangements, drilling holes in cubicle panel with providing digital KWH Meter with maximum demand load and current display RS485 module of class-0.5 accuracy with suitable range of cast resin CT including making connections etc as required. 3 Nos of LED type phase indicating lamps (RYB) controlled by 2Amp MCB should be provided in panel board compartment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.00     | Set    | 140000.00  | ₹ 2,80,000.00           |
| 34.00               | Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50       | Meter  | ₹ 150.00   | ₹ 7,500.00              |
| 35.00               | Providing & fixing in position 3mm thick Aluminum composite panels in external face, column / wall cladding and canopy ceiling of approved make comprising virgin polyethylene core sandwiched between two skins of 0.25mm thick. Fixing of surface cladding to masonry / concrete faces / steel structure as called for (straight/slope and curvilinear profile and shapes),including all required aluminium frame and supporting items fixed on appropriate and adequate frame work of aluminium tubular sections/round/hinges etc including all accessories and all incidental work. The cladding shall be done in accordance with the drawings, fixed to sides and faces of columns/ piers, to sills and soffits of window opening, returned over coping, to RCC / structural steel system, etc, to line and level. The joints shall be properly sealed with approved silicon sealant to make the joints watertight and weather proof including, fixing over aluminum frame using mechaical fasteners such as Aluminum cleats and stainless steel fasteners all complete as approved by the Engineer-in-charge. The colour of ACP will be approved by EIC. The work shall be completed as per specification and directions of Engineer in-charge. | 250      | Sq Mtr | ₹ 1,200.00 | ₹ 3,00,000.00           |
| <b>Total SH - I</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |        |            | <b>₹ 1,39,56,167.30</b> |

  
 23/01/2025  
 Agm (E-2)

| Sl.No                               | Description of Item                                                                                                                                                                          | Quantity | Unit | Rate (Rs.)    | Amount (Rs.)            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|---------------|-------------------------|
| <b>SH II-AICMC of VRF /VRV AC's</b> |                                                                                                                                                                                              |          |      |               |                         |
| 36.00                               | All Inclusive Comprehensive Maintenance Contract (AICMC) of above VRF/VRV AC System for 5 years (after defect liability period of 2 years) as per the direction of EIC complete as required. |          |      |               |                         |
| 36.10                               | Year -1 (5.37 % of SITC cost)                                                                                                                                                                | 1        | Job  | ₹ 7,49,446.18 | ₹ 7,49,446.18           |
| 36.20                               | Year -2 (5.00% cumulative enhancement on Year - 1 AICMC cost)                                                                                                                                | 1        | Job  | 786918.49     | ₹ 7,86,918.49           |
| 36.30                               | Year- 3 (5.00% cumulative enhancement on Year - 2 AICMC cost)                                                                                                                                | 1        | Job  | ₹ 8,26,264.42 | ₹ 8,26,264.42           |
| 36.40                               | Year -4 (5.00% cumulative enhancement on Year - 3 AICMC cost)                                                                                                                                | 1        | Job  | ₹ 8,67,577.64 | ₹ 8,67,577.64           |
| 36.50                               | Year -5 (5.00% cumulative enhancement on Year - 4 AICMC cost)                                                                                                                                | 1        | Job  | ₹ 9,10,956.52 | ₹ 9,10,956.52           |
| <b>Total SH - II</b>                |                                                                                                                                                                                              |          |      |               | <b>₹ 41,41,163.25</b>   |
| <b>Total SH - (I+II)</b>            |                                                                                                                                                                                              |          |      |               | <b>₹ 1,80,97,330.55</b> |
| <b>Say (Excluding GST)</b>          |                                                                                                                                                                                              |          |      |               | <b>₹ 1,80,97,331.00</b> |

(Total Amount: Rupees One Crore Eighty Lakh Ninety Seven Thousand Three Hundred and Thirty One Only )

\* Note: GST will be paid on production of actual Tax Invoice as per prevailing rates Govt. Of India

  
 23/01/2025  
 Asstt. Gen. Manager (Engg-Elect)-I  
 AAI, Bagdogra Airport  
 Bagdogra-734421