

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

संदर्भ संख्या: एएआई/आरएचक्यू/एनईआर/एजीएम(ई-ई)/डीजी/25-26/
Ref. No.: AAI/RHQ/NER/AGM(E-E)/DG-250KVA/25-26/3507-16

दिनांक: 13.08.2025
Date: 13.08.2025

सेवा मे, / To,

मेसर्स शिवा एंटरप्राइजेज/ M/s. Shiva Enterprises
6 ठा मजला, वाणिज्यिक यूनिट-612, टावर-9,
6th Floor, Commercial Unit-612, Tower-9,
स्काईलाइन प्लाजा 1, सुल्तानपुर रोड/ Skyline Plaza 1, Sultanpur Road,
लखनऊ-226030/ Lucknow-226030
Mobile No – 9415102136, Email id -shivaent2000@gmail.com

विषय:- एएआई आवासीय कॉलोनी, गुवाहाटी हवाई अड्डे पर 250 केवीए डीजी सेट और संबंधित विविध कार्यों का प्रावधान।

Sub: - Provision of 250 KVA DG Set and associated miscellaneous works at AAI residential colony, Guwahati Airport.

Ref:

1. निविदा आईडी /Tender ID:2025_AAI_236460_1
2. आपकी बोली संख्या-864154, वित्तीय बोली दिनांक 16.07.2025 को सीपीपी पोर्टल पर खोली गई।/
Your bid no.-864154, financial bid opened on dt.16.07.2025 In CPP portal.

प्रिय महोदय / Dear Sir,

1. उपर्युक्त विषय से संबंधित कार्य के लिए आपकी मदद दर ई-निविदा इसके तहत अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार किया जाता है, जिसकी कुल राशि रु 48,19,937.00 (जी. एस. टी के बिना) (रुपये अड़तालीस लाख उन्नीस हजार नौ सौ सैंतीस रुपये मात्र) जो कि अनुमानित लागत निविदा के लिए रखी गई राशि रु. 39,55,550.00 (जी. एस. टी के बिना) (उनतीस लाख पचपन हजार पांच सौ पचास रुपये मात्र) से 17.93% (प्रतिशत) कम है, इस पत्र द्वारा स्वीकार की जाती है।

Your e-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. 39,55,550.00 (Excluding GST)** (Rupees Thirty Nine Lakh Fifty Five Thousand Five Hundred and Fifty only) which is **17.93% below** the estimated cost put to tender of **Rs.48,19,937.00** (Rupees Forty Eight Lakhs Nineteen thousand Nine Hundred Thirty Seven Only), excluding GST.



क्षेत्रीय कार्यपालक (उत्तर पूर्वी क्षेत्र) का कार्यालय क्षेत्रीय मुख्यालय, उत्तर पूर्वी क्षेत्र गुवाहाटी-781015 (असम), दूरभाष: 0361-2840223, फैक्स: 0361-2840042
2840042

O/o The Regional Executive Director (NER) Regional Headquarter, North Eastern Region Guwahati-781015, Ph: 0361-2840223, Fax: 0361-2840042

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2. सहायक महाप्रबंधक (इंजी.-ई), भारतीय विमानपत्तन प्राधिकरण, क्षेत्रीय मुख्यालय, उ.पू. क्षेत्र, इस कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु सहायक महाप्रबंधक (इंजी.-ई), भारतीय विमानपत्तन प्राधिकरण, क्षेत्रीय मुख्यालय, उ.पू. क्षेत्र के कार्यालय में 27.08.2025 तक उपस्थित हों। संविदा करार रु.100/- (सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Asst. General Manager (Engg.-E), AAI, RHQ, NER, shall be the Engineer-in-Charge of the work. You are requested to attend office of the Engineer-in-charge i.e. Asst. General Manager (Engg.-E), AAI, RHQ, NER, to sign and complete the contract agreement by 27.08.2025.

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. आपको इस पत्र के जारी होने की तिथि से 10 (दस) दिनों के भीतर सुरक्षा जमा के रूप में रु. 3,95,555.00 (तीन लाख पंचानवे हजार पाँच सौ पचपन मात्र) जमा करने का निर्देश दिया जाता है। ऐसा न करने पर, निविदा दस्तावेज़ के जीसीसी के पृष्ठ संख्या 51 पर खण्ड संख्या 1ए की शर्त के अनुसार, किए गए कार्य के मूल्य का 10% सुरक्षा जमा के रूप में चालू खातों के बिलों से काट लिया जाएगा। आपकी निविदा के साथ सीपीपी पोर्टल के माध्यम से ऑनलाइन भुगतान पर प्राप्त रु. 1,44,598.00 (एक लाख चौवालीस हजार पाँच सौ अठानवे मात्र) की बयाना राशि, सुरक्षा जमा जमा करने के बाद या सुरक्षा जमा के रूप में ईएमडी राशि की कटौती के बाद वापस कर दी जाएगी।

You are directed to deposit **Rs. 3,95,555.00** (Rupees Three Lakh Ninety Five Thousand Five Hundred And Fifty Five only) towards Security Deposit within 10 (Ten) days from the date of issue of this letter, failing which, 10% of value of work done will be deducted from the running accounts bills towards security deposit as per the condition of Clause No.1A on page No. 51 of the GCC of Tender Document. The Earnest Money amount of Rs.1,44,598.00 (Rupees One Lakh Fourty Four Thousand Five Hundred And Ninety Eight only) received on the online payment through CPP Portal along with your tender will be refunded after your depositing of security deposit or after deduction of the EMD amount as security deposit from the running bills.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन) केन्द्रीय नियमावली 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण मजदूर कल्याण उपकर अधिनियम 1996 और केंद्र और राज्य सरकार के नियमों के प्रावधान का अनुपालन करें, जो निविदा के GCC के धारा 19, 19A, 92 पृष्ठ पर निर्दिष्ट है।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction workers Welfare Cess Act 1996 as specified in Clause 19, 19A on Page 92 of GCC of tender and rules of Central and State Government.

5. आपको यह भी निर्देश दिया जाता है कि आप सहायक प्रबंधक (ई-ई), एएआई, आरएचक्यू, एनईआर से तुरंत संपर्क करें, जो आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact Asst. Manager (E-E), AAI, RHQ, NER immediately who will arrange to hand over the site to you.

6. कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय 04 (चार) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10वें दिन से की जाएगी।

Please note that the time allowed for carrying out the work shall be 04 (Four) Months and the same shall be reckoned from 10th day of issue of this letter.



Handwritten signature/initials

7. संविदा के संबंध में आगे किया जाने वाला पत्राचार सामान्यतः इंजीनियर प्रभारी से किया जाए।

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

8. कृपया पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप विधिवत हस्ताक्षर करके हमें वापस भेजें।

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

9. यदि कोई विसंगति पाई जाती है, तो अंग्रेजी भाषा को सही माना जाएगा।

In case any discrepancy is found, then English version will be taken as correct.

धन्यवाद/ Thanking you.

भवदीय / Yours faithfully,

(एम आई अहमद) / (M I Ahmed)

सहायक महाप्रबंधक (ई-ई)

Asst. General Manager(E-E)

भा. वि. प्रा., क्षे.मु. उ.पु.क्षे, गुवाहाटी-15

AAI, RHQ, NER, Guwahati-15

अध्यक्ष के लिए और उनकी ओर से

For and on behalf of the Chairman

भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India

Copy to: N.O.O.

Internal-

1. Regional Executive Director, AAI, RHQ, NER.

2. GM(Engg.), AAI, RHQ, NER.

3. GM(Fin), AAI, RHQ, NER.

4. Jt.GM(Engg.-C), AAI, RHQ, NER.

5. DGM(Engg.-E), AAI, RHQ, NER.

6. SM(Engg.-C), AAI, RHQ, NER.

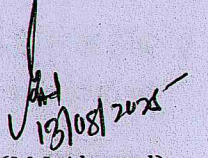
7. AM(Engg.-E), AAI, RHQ, NER.

8. Agreement copy.

9. File.

External-

1. Regional Provident Fund Commissioner, Employees Provident Fund Organization, Regional office, Bhangagarh, Guwahati-781005.
2. Assistant Labour Commissioner, Kendriya Shram Sadan, Guwahati-781016.


(एम आई अहमद) / (M I Ahmed)
सहायक महाप्रबंधक (ई-ई)
Asst. General Manager(E-E)
भा .प्रा.वि.क्षे.मु. उक्षे.पु.,गुवाहाटी-15
AAI, RHQ, NER, Guwahati-15
अध्यक्ष के लिए और उनकी ओर से
For and on behalf of the Chairman
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India

SCHEDULE OF QUANTITIES

Tender Inviting Authority: AGM(E-E), RHQ NER, GUWAHATI AIRPORT

Name of Work: Provision of 250 KVA DG set and associated miscellaneous works at AAI residential colony, Guwahati Airport

Tender ID: 2025_AAI_238460_1

Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate (Excl. GST)	Amount
1.00	SH-1- DG Set				
1.01	Providing, Installation, Testing and Commissioning of 'Silent Type' Diesel Generating set along with having Prime Power Rating of 250kVA, 415 volts at 1500 RPM, 0.8 lagging power factor at 415V suitable for 50 Hz, 3 phase system & for 0.85 Load Factor CPCB4+ compliant as ammended upto date and consisting of the followings (a) Diesel Engine Diesel engine of 4 stroke water cooled, electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 40 Degree C, 50% RH & at 1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000 ammended upto date, capable of taking 10% over loading for one hour after 12 hours of continuous operation. The engine will be fitted complete with all the required accessories. (b) Engine mounted Instrument Panel fitted with and having digital display for following : (i) Start-stop switch with key, (ii) Water temperature indication, (iii) Lubrication oil pressure indication, (iv) Lubrication oil temperature indication, (v) RPM indication, (vi) Over speed indication, (vii) Low lub. Oil trip indication, (viii) Engine Hours indication, (ix) Battery charging indication. (c) Alternator Synchronous alternator rated at 250kVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 40 Degree C, 50% RH & at 1000 Meter MSL. The alternator shall be having SPDP enclosure, brushless, continuous duty, self-excited and self regulated through AVR conforming to IS:4722/BS 2613 suitable for tropical conditions and with class- F/H insulation. (d) Base Frame & Foundation Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary reinforcement which shall be installed on suitable cement concrete foundation and vibration isolation arrangement as per recommendations of manufacturer. (e) Fuel Tank Daily fuel service tank fabricated out of 3mm thick MS sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS 'C' class pipes of suitable dia complete with valves, air vent tap, drain plug, level indicator & accessories as requires. (f) Exhaust System Dry exhaust manifold with residential type exhaust silencer, catalytic convertor and alongwith required length of heavy duty MS exhaust pipings duly insulated and clad as per Technical specifications. (g) Starting System 24V DC starting system comprising of starter motors, voltage regulator and arrangement for initial excitation complete with suitable no's of batteries (25 plates, 180 Amp Hour capacity lead acid type) as required as per specifications. (h) Acoustics and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere as per the specifications and standard design of manufacturer.	1.00	JOB	2150000.00	2150000.00
1.02	Supply, installation, testing & commissioning of Calibrated HSD buffer/service tank, rectangular MS (IS:226) construction with 990 liters capacity complete with flanged inlet & outlet, overflow, drain, vent, mechanical level indicator, 450mm dia Access hole on top with cover, flame arrestor. Tank will be made out of 3mm MS sheet and will be provided with structural support to keep tank base at (2000mm) above FFL with access ladder arrangement, painting etc. complete as required.	1.00	JOB	15000.00	15000.00
1.03	Supplying, installation, testing & commissioning of MS pipes of heavy class ERW piping (Class-C) conforming to IS:1239 of following sizes and materials cut to required lengths and installed with necessary bends, supports and clamps, anti-vibration mounting, etc but excluding valves, strainers and gauges etc. adequately supported on rigid supports / concealed on floor, painting with two coats of synthetic enamel paint after primer coat etc. complete as required. Size 25 mm	20.00	MTR	4000.00	80000.00
1.04	Supply, installation, testing & comissioning of following sizes of Ball Valve of brass body, PN-16 rating, Teflon sealing, stainless steel handle, screwed ends etc complete as required. Size 25 mm	1.00	EACH	3800.00	3800.00
1.05	Providing, Fixing, Testing and Commissioning of HSD Oil Y-strainer of 50mm dia, CI body, SS strainer, flanged ends etc complete as required. Size 25 mm dia	1.00	EACH	2500.00	2500.00

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Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate (Excl. GST)	Amount
1.06	Supplying and fixing of exhaust gas piping of dia. 150 mm for 250 KVA rating D.G. Set welded black MS 'B' Class pipe conforming to IS:3589 cut to required lengths and installed with necessary bends, supports and clamps, anti-vibration mountings, the work include necessary cladding of exhaust pipe work using wiremesh, 50 mm thick Loosely bound resin(LBR)mattress / mineral wool/ Rockwool, density not less than 150kg/m and aluminium cladding (0.6mm thick min.) complete portion complete as required as per specifications.	12.00	MTR	7200.00	86400.00
1.07	Supply, installation, fabrication of MS frame structural work for supporting existing exhaust gas pipe of dia 150 mm mentioned at item no - 6 complete as required	100.00	KG	125.00	12500.00
1.08	Supply and installation of SS Flexible Bellows, 6" dia. (150 mm NB); complete with counter flanges, heat resistant gaskets, nuts-bolts-washers etc., complete as required.	1.00	EACH	5000.00	5000.00
2.00	SH-2: Panel and Wiring				
2.01	MAIN ESSENTIAL Cum AMF PANEL Design, manufacture supply, installation, testing and commissioning of Main LT Panel (PTTA type construction), cubicle & modular type, made of GRCA sheet of 2 mm thick for load bearing members, 1.6 mm thick for doors & 3 mm thick for gland plates, totally enclosure protection class IP 42 of cubical construction, free standing, floor mounting, dust and vermin proof, indoor, compartmentalised, including cleaning & finishing complete with 7 tank process, powder coated, painting, suitable for operation on 3-Phase and neutral, 415v, 50-Hz-AC system with Al busbars extensible on both sides, entire panel shall have a common GI earth bar of size 25mm x 5mm at the rear with 2 nos. earth stud, control wiring with 2.5 sq. mm. PVC insulated copper conductor, cable alloys, cable gland plates in two half, interconnections including supply & installation of following items i/c providing & installation of suitable PLC as required and as per technical specification: (a) INCOMERS (i) 400A, FP, 250 KA, (ICS= 100% ICU) MCCB with microprocessor release having over load and short circuit, earth fault, Rotary handel, spreader link, phase barriers etc. - 4 nos. (ii) Digital reverse power relay- 4 nos (iii) FP 400 Amp Power Contactor- 4 nos (iv) Flush pattern digital Voltmeter(0-500 V), accuracy class 1, suitable range for 3 phase, 4 wire operation with LED display and built-in selector switch along with 3 nos. of 2 Amp SP MCBs - 4 sets. (v) Flush pattern Digital Type Ammeter of suitable range (to measure 0-400A), for 3 phase 4 wire operation with LED display and selector switch with 3 numbers of class 1.0 accuracy, 15 VA burden & suitable range CTs - 4 sets. (vi) Indication Lamps, LED type for R, Y, B, and breaker 'ON', 'OFF', 'TRIP' indications each with 2 Amp SP MCBs for protection, - 4 sets (vii) Intelligent multi function digital meter to read V, A, KVA, KW, KVAR, KWH, PF, Hz etc and LED display with 3 Nos CTs, 15 VA, class 1.0 and control circuit wiring with 2 Amp SP MCBs - 4 sets. (b) BUS COUPLER (i) 1 No. 400A, FP, 250 KA, (ICS= 100% ICU) MCCB without release (ii) 1 Set Indication Lamps, LED type for 'ON', 'OFF', 'TRIP' indications with 2 Amp SP MCBs, etc. as required. (c) BUSBARS 1 set of high conductivity Aluminium bus bars of minimum 500 Amps capacity, TPN with heat shrinkable coloured sleeves and i/c DMC busbars supports at required intervals. (d) Accessories for Electrical & Mechanical Interlocking Electrical & mechanical Interlocking arrangement as per drawing and specifications, etc. as required. (e) OUTGOINGS (i) 4 Nos. 200A, FP, 35 KA, (ICS= 100% ICU) MCCB with Thermal Magnetic release having over load and short circuit, earth fault, Rotary handel, spreader link, phase barriers etc. (ii) 2 Nos. 63A, FP, 25 KA, (ICS= 100% ICU) MCCB with Thermal magnetic release having over load and short circuit, Rotary handel, spreader link, phase barriers etc. (iii) Flush pattern Digital Type Ammeter of suitable range (for each outgoing), for 3 phase 4 wire operation with LED display and selector switch with 3 numbers of class 1.0 accuracy, 15 VA burden & suitable range CTs - 6 sets. B) COMPONENTS FOR AMF OPERATION OF DG SET - 02 SETS (- 1 SET FOR EACH DG SET) Each AMF section shall have the one set of following items: a) Relays, control contactors for neutral, Aux Relays, Timers. i) 1 No. Microprocessor based AMF logic relay having UV and OV, Phase reversal, engine start relay, engine cranking relay, Auto/Manual/ test / service etc. ii) 1 Set of All other auxiliary relays, auxiliary / control contactors (12V/ 24V DC and 230V AC), timers, Three impulse unit, Master trip relay, etc of suitable rating and quantity as required to achieve AMF function as described in technical specifications. iii) 1 Set LED Indication lamps, Push buttons, window annunciation facia etc of required quantity as per technical specifications.	1.00	JOB	1140000.00	1140000.00
2.02	Supply of following sizes LT power cables of 1:1 KV grade aluminium conductor XLPE insulated and PVC sheathed armoured cable conforming to IS:7098 Part I:1988 with upto date amendment as required. Size-I) 3.5C x 240 sq. mm.	100.00	MTR	1100.00	110000.00
2.03	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1:1 KV grade of following size in the existing masonry open duct as required: i) Above 95 sq. mm and upto 185 sq. mm	50.00	MTR	120.00	6000.00
2.04	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1:1 KV grade of following size in the existing masonry open duct as required: ii) Above 185 sq. mm and upto 400 sq. mm	100.00	MTR	140.00	14000.00

Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate (Excl. GST)	Amount
2.05	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. i) 3½ X 240 sq. mm (62mm)	4.00	EACH	1100.00	4400.00
2.06	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. ii) 3½ X 185 sq. mm (57mm)	4.00	EACH	950.00	3800.00
2.07	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. iii) 3½ X 50 sq. mm (35mm)	2.00	EACH	450.00	900.00
2.08	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. i) 3½ X 185 sq. mm	2.00	EACH	2450.00	4900.00
2.09	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. ii) 3½ X 50 sq. mm	1.00	EACH	1750.00	1750.00
3.00	SH-3- Earthing				
3.01	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	2.00	EACH	7500.00	15000.00
3.02	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	6.00	EACH	10000.00	60000.00
3.03	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	50.00	MTR	250.00	12500.00
3.04	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	70.00	MTR	180.00	12600.00
3.05	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	4.00	EACH	18500.00	74000.00
3.06	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	30.00	MTR	1550.00	46500.00
3.07	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	60.00	MTR	1150.00	69000.00
3.08	Supplying and laying 6 SWG G.I. wire on surface or in recess for loop earthing as required.	50.00	MTR	20.00	1000.00
3.09	Dismantling of existing AME panel, Wall mounting panel of all types and sizes from its location w/c removal of cable termination, shifting and handing over to AAI store/dismantled yard upto a distance not more than 250 mtrs as directed by EIC.	2.00	JOB	12000.00	24000.00

Total in Figures

(Rupees Thirty Nine Lacs Fifty Five Thousand Five Hundred And Fifty only without GST)

3955550.00

सहायक महाप्रबंधक (ई-ई) / Asst. General Manager (E-E)
भा. वि. प्रा., क्षे. मु. उ. पु. क्षे. गुवाहाटी-15/AAI, RHQ, NER, Guwahati-15