



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

75
आज़ादी का
अमृत महोत्सव

संदर्भ सं/ Ref. No. AAI/RJY/ENGG(E)/CAT-I /2023-24/257-267

दिनांक Date: 29.09.2023

कार्यादेश / Work Order

स्पीड पोस्ट/ईमेल

सेवा में,
मेसर्स. जे सी सी इंजिनीर्स प्राइवेट लिमिटेड,
1स्ट फ्लोर रघुनाथ मार्केट,
नियर टेलीफोन एक्सचेंज, कलिमता मंदिर रोड,
पठानकोट, पंजाब - 145001.
ईमेल: jccpl@ymail.com

To,
M/s. JCC Engineers Private Limited,
1st Floor, Raghunath Market,
Near Telephone Exchange,
Kalimata Mandir Road,
Pathankot, Punjab-145001.
Email: jccpl@ymail.com

कार्य का नाम : प्रोवाइडिंग कैट-I एप्रोच लाइटिंग सिस्टम एट राजमंड्री एयरपोर्ट
Name of Work : Providing CAT-I Approach Lighting System at Rajahmundry Airport.

संदर्भ सं. : आपकी दिनांक 13.09.2023 को खोली गयी वित्तीय निविदा I (Tender ID : 2023_AAI_163234_1)
Ref. No. Your Financial Bid (Envelope-II) opened on 13.09.2023 (Tender ID: 2023_AAI_163234 1)

महोदय / Dear Sir,

1. ऊपर उल्लिखित कार्य हेतु आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है। आपके द्वारा बताए गए मद पर आपकी राशि (जी एस टी रहित) ₹ 1,55,55,555/- (रुपए सैं एक करोड़ पचपन लाख पचपन हजार पांच सौ पचपन मात्र) है। जी. एस.टी. @ 18% जो कि निविदा की अनुमानित लागत राशि ₹ 2,18,91,068/- प्लस जी.एस.टी. @ 18% से 28.94% कम है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totalling to ₹ 1,55,55,555/- (Rupees One Crore Fifty Five Lakhs Fifty Five Thousand Five Hundred and Fifty Five Only) plus GST@ 18% which is 28.94% below the estimated cost put to tender of ₹ 2,18,91,068/- plus GST@ 18%.

2. सहायक महाप्रबन्धक (अभि.-विद्युत), भा. वि प्रा, राजमंड्री एयरपोर्ट, कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप करारनामे पर हस्ताक्षर करने के लिए दिनांक 09.10.2023 तक सहायक महाप्रबन्धक (अभि.-विद्युत), भा. वि प्रा, राजमंड्री एयरपोर्ट के कार्यालय में उपस्थित हों तथा करारनामे को पूरा करें। ठेके का करारनामा ₹100.00 के गैर न्यायायिक स्टाम्प पर निस्पादित किया जायेगा जिसका खर्च आपके द्वारा वहन किया जाएगा।

Asstt. General Manager (Engg-Elect), AAI, Rajahmundry Airport, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Asst. General Manager (Engg-Elect), AAI, Rajahmundry Airport by 09.10.2023 to sign and complete the agreement. The contract agreement shall be executed on a Non-Judicial stamp paper of value ₹100/- (Rupees One Hundred Only) and the cost of the stamp papers shall be borne by you.

Contd....2./.

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, मधुरपूडि पोस्ट, राजमंड्री - 533 102.

O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry - 533 102.

टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, Engg-E: 0883-2020171





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: 2 :

- कृपया सुरक्षा राशि ₹ 15,55,555/- (रुपये पन्द्रह लाख पचपन हजार पांच सौ पचपन मात्र) को इस पत्र की जारी होने की तिथि से 10 दिन के अंदर जमा करने का कष्ट करें अन्यथा ठेका कागजातों की शर्त के अनुसार यह राशि आपके रनिंग बिल से काट ली जाएगी।
Please deposit ₹ 15,55,555/- (Rupees Fifteen Lakhs Fifty Five Thousand Five Hundred and Fifty Five Only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from yours running bills as per condition of contract document.
- आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण कार्यकर्ताओं (श्रमिकों का विनियमन और सेवा की स्थिति) अधिनियम 1996, बिल्डिंग और अन्य निर्माण श्रमिक कल्याण सेस अधिनियम 1996 जैसा कि केन्द्रीय और राज्य सरकारों के नियमों में 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 (Regulation of workers and condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in rules of Central and State Governments.
- आपको निर्देश दिया जाता है कि आप तुरंत प्रबन्धक (अभि-वि), भा.वि.प्रा., राजमंड्री एयरपोर्ट से मिलें वह आपको कार्य स्थल सौंपने की व्यवस्था करेंगे।
You are also directed to contact Manager (Engg-E), AAI, Rajahmundry Airport immediately who will arrange to hand over the site to you.
- कृपया नोट करें कि काम करने का कुल समय 06 महीने है जो कि दिनांक 09.10.2023 से माना जाएगा।
Please note that the time allowed for carrying out the work shall be 06 (Six) Months and same shall be reckoned from 09.10.2023.
- इस ठेके के संबंध में आगे का पत्राचार प्रभारी अभियंता के पते पर किया जाये।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.
- भारतीय विमानपत्तन प्राधिकरण का आंध्र प्रदेश का GSTIN रजिस्ट्रेशन 37AAACA6412D1Z7 है।
The GSTIN registration no. of AAI is 37AAACA6412D1Z7 for Andhra Pradesh state.
- कृपया पावती भेजें तथा अपनी सहमती संलग्नित डुप्लिकेट प्रति पर हस्ताक्षर कर प्रेषित करें।
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.

भवदीय/Yours Faithfully,

अनुलग्नक/ Encl: Schedule of Quantities.

Slono
MARLEO



(पी.नरेंद्र / P. NARENDRA)
सहायक महा प्रबंधक (अभि-वि)/ Asstt. General Manager (Engg-E)
भा.वि.प्रा.राजमंड्री हवाई अड्डा/AAI, Rajahmundry Airport
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India.

Note: In case of discrepancy in between Hindi and English. English version shall prevail.

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, मधुरपूडि (पोस्ट), राजमंड्री 533 102
O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry 533 102
टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, Engrg-E: 0883-2020171
राजमंड्री हवाई अड्डा/ Rajahmundry Airport
राजमंड्री/Rajahmundry 533 102



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NOO:-

को कॉपी /Copy to :

बाहरी/External

- 1) महाप्रबंधक (अ.वी.), भा. वि. प्रा. एस/आर, चेन्नई एयरपोर्ट, चेन्नई
GM(Engg-E), AAI, S/R, Chennai Airport, Chennai
- 2) महाप्रबंधक (वित्त), एस/आर, चेन्नई हवाई अड्डा, चेन्नई
GM(Finance), S/R, Chennai Airport, Chennai
- 3) संयुक्त महाप्रबंधक (सतर्कता), एएआई, एस/आर, चेन्नई हवाई अड्डा, चेन्नई
Jt.GM (Vigilance), AAI, S/R, Chennai Airport, Chennai
- 4) श्रम प्रवर्तन अधिकारी (केंद्रीय), सीनियर एसई / टेली। भवन, रेलवे स्टेशन परिसर, राजमंड्री-533101.
Labour Enforcement Officer (Central), Sr.SE/Tele. Building, Railway Station Premises, Rajahmundry-533101.

आंतरिक/Internal:

- 1) विमानपत्तन निदेशक, भा.वि.प्रा., राजमंड्री हवाई अड्डा, राजमंड्री
Airport Director, AAI, Rajahmundry Airport, Rajahmundry.
- 2) उप महाप्रबंधक (अ.वी.), भा.वि.प्रा., राजमंड्री हवाई अड्डा, राजमंड्री
Dy.GM (Engg-E), AAI, Rajahmundry Airport, Rajahmundry.
- 3) सहायक प्रबंधक (वित्त) , भा.वि.प्रा., राजमंड्री हवाई अड्डा, राजमंड्री
Asst. Manager (Finance), AAI, Rajahmundry Airport, Rajahmundry.
- 4) प्रबंधक(अ.वी.), भा.वि.प्रा., राजमंड्री हवाई अड्डा, राजमंड्री
Manager(Engg-E), AAI, Rajahmundry Airport, Rajahmundry.
- 5) पर्यवेक्षक(वी.), भा.वि.प्रा., राजमंड्री हवाई अड्डा, राजमंड्री
Supervisor(Elect), AAI, Rajahmundry Airport, Rajahmundry.
- 6) संबंधित फाइल
Concerned File.



(पी.नरेंद्र / P. NARENDRA)

सहायक महा प्रबंधक (अभि-वि)/ Asstt. General Manager (Engg-E)

भा.वि.प्रा, राजमंड्री एयरपोर्ट

सहायक महा प्रबंधक (अ.वि.)
Asst General Manager (Engg-Elect)

भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
राजमंड्री हवाईअड्डा/ Rajahmundry Airport
राजमंड्री/Rajahmundry 533 102

विमानपत्तन निदेशक का कार्यालय, राजमंड्री हवाई अड्डा, मधुरपूडि (पोस्ट), राजमंड्री - 533 102.

O/o The Airport Director, Rajahmundry Airport, Madhurapudi (Post), Rajahmundry - 533 102.

टेली फैक्स/Tele - FAX: 0883-2487852, दूरभाष / Phone: 0883-2020111, Engg-E: 0883-2020171

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Item Rate BoQ

Tender Inviting Authority: ASST. GENERAL MANAGER (ENGG-ELECT), AIRPORTS AUTHORITY OF INDIA, RAJAHMUNDY AIRPORT, RAJAHMUNDY

Name of Work: Providing CAT-I Approach Lighting System at Rajahmundry Airport.

Contract No: 2023 AAI 163234_1

Name of the Bidder/ Bidding Firm / Company :	JCC ENGINEERS PRIVATE LIMITED						
PRICE SCHEDULE							
NUMBE R #	TEXT #	NUMBE R #	TEXT #	TEX T #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantit y	Units	Quote d Curre ncy in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
1	2	4	5	12	13	53	55
1	Supply, installation, testing and commissioning of indoor type air cooled Constant Current Regulator of Micro Processor Control, Thyristor drive and suitable for operation of 415Volts + 10% , 50hz input AC supply with output power of 10 KW with tapping at 7.5KW, 6.6 amps with 5 steps variation of current output (6.6, 5.2, 4.0, 3.4 & 2.8 amps) and able to communicate with most PC or PLC control systems, with internally generated control supply of 48V/24V DC, with digital output ammeter (0-10 Amps), over current, open circuit and earth leakage meter, positive back indication equipments, Hours run counter, LCD display complete with relays & control and suitable for local and remote operation with suitable 48V DC Control supply complete as required and confirm to particular specifications enclosed.	2	Each	INR	295000.00	590000.00	INR Five Lakh Ninety Thousand Only
2	Supply of following elevated type High Intensity Uni-directional Threshold light fittings (Green) suitable for use on existing transformer housing box with 200W, 6.6A halogen lamp, Holder, Central Column Assembly, Breakable Coupling, Gaskets, Two Pin Secondary Lead plugs, Base Plate with Six numbers M-10 stainless steel bolts, spring and plain washers, including 200 W Halogen Lamp with suitable filter as specified and other accessories confirming to ICAO requirements and as per the enclosed particular specifications etc. complete as required.	36	Each	INR	6000.00	216000.00	INR Two Lakh Sixteen Thousand Only
3	Supply of Elevated type Uni-directional type High Intensity Approach Light fixture complete for use on transformer housing box with suitable LED lamps/array of series circuit 2.8 - 6.6 amps series circuit, suitable lens (glass), Lens clamping mechanism, breakable coupling, rings /gaskets, base plate with 06 nos. M-10 stainless steel bolts with standard secondary lead, spring & plain washers & other accessories etc. The photometrics of the fitting arrangement shall confirm to ICAO annex 14 vol 1 para 5.3.4 and Appendix 2, Figure A2-1 and DGCA CAR, Section-4, physical and electrical requirements conforming to FAA AC 150/5345-46 (Current edition), Engineering Brief 67 and relevant standards, specifications as per the requirements etc. complete as required.	14	Each	INR	51000.00	714000.00	INR Seven Lakh Fourteen Thousand Only

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
4	Supply of Elevated type Uni-directional type High Intensity Approach Light fixture complete for use on Frangible Tubular approach mast/Fibreglass frangible lattice approach mast with suitable LED lamps/array of series circuit 2.8 - 6.6 amps series circuit, suitable lens (glass), Lens clamping mechanism, breakable coupling, rings /gaskets, standard secondary lead, spring & plain washers & other accessories etc. The photo metrics of the fitting arrangement shall confirm to ICAO annex 14 vol 1 para 5.3.4 and Appendix 2, Figure A2-1 and DGCA CAR, Section-4, physical and electrical requirements conforming to FAA AC 150/5345-46 (Current edition), Engineering Brief 67 and relevant standards, specifications as per the requirements etc. complete as required. (Without base plate with 06 nos. M-10 stainless steel bolts)	91	Each	INR	50400.00	4586400.00	INR Forty Five Lakh Eighty Six Thousand Four Hundred Only
5	Supply of Cast Iron Transformer Housing Box water tight, round shape of outside dia 330mm height 450mm made of 10mm thick all round except on top surface which is 15mm thick having a clear opening of 220mm at the top surface and 6 Nos. M10 tapped holes at the hole centre of 260mm to receive light fittings base plate and bolts. The box shall have two clear holes with 50 mm spacing at one side surface, centre at 75mm above bottom surface and suitable to receive 50mm dia B class GI pipes and also have a clear hole on the other side, centre at 125 mm below from top and suitable to receive 25mm dia B class G.I pipes. The box shall have two earth bolts of M 10 X30mm inside near the hole(100mm above bottom surface) and a drain hole at the bottom suitably tapped to receive 1/2" dia., B class GI pipe as per drawing as required.	2	Each	INR	5500.00	11000.00	INR Eleven Thousand Only
6	Supply of Cast Iron Transformer Housing Box water tight, round shape of outside dia 330mm height 450mm made of 10mm thick all round except on top surface which is 15mm thick having a clear opening of 220mm at the top surface and 6 Nos. M10 tapped holes at the hole centre of 260mm to receive light fittings base plate and bolts. The box shall have a clear hole at one side surface, centre at 100 mm below from top and suitable to receive 25mm dia B class G.I pipes. The box shall have two earth bolts of M 10 X30mm inside near the hole(100mm above bottom surface) and a drain hole at the bottom suitably tapped to receive 1/2" dia., B class GI pipe as per drawing as required.	2	Each	INR	5500.00	11000.00	INR Eleven Thousand Only
7	Supply of Cast Iron Transformer Housing Box water tight, round shape of outside dia 330mm height 450mm made of 10mm thick all round except on top surface which is 15mm thick having a clear opening of 220mm at the top surface and 6 Nos. M10 tapped holes at the hole centre of 260mm to receive light fittings base plate and bolts. The box shall have two clear holes with 50 mm spacing at one side surface, centre at 75mm above bottom surface and suitable to receive 50mm dia B class GI pipes and also have a clear hole on the same side, centre at 100mm above between two 50 mm hole centre and suitable to receive 15mm dia B class G.I pipes. The box shall have two earth bolts of M 10 X30mm inside near the hole(100mm above bottom surface) and a drain hole at the bottom suitably tapped to receive 1/2" dia., B class GI pipe as per drawing as required.	28	Each	INR	5500.00	154000.00	INR One Lakh Fifty Four Thousand Only

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
8	Supply of Cast Iron Transformer Housing Box water tight, round shape of outside dia 330mm height 450mm made of 10mm thick all round except on top surface which is 15mm thick having a clear opening of 220mm at the top surface and 6 Nos. M10 tapped holes at the hole centre of 260mm to receive light fittings base plate and bolts. The box shall have two clear holes parallel to each other at side surface, centre at 75mm above bottom surface suitable to receive 50mm dia B class GI pipes, have a clear hole on the other side perpendicular to the centre line of 50 mm holes, centre at 125 mm below from top suitable to receive 25 mm dia B class G.I pipes and also have a clear hole on the same side of 50 mm hole, centre at 100mm above 50 mm hole centre and suitable to receive 15mm dia B class G.I pipes. The box shall have two earth bolts of M 10 X30mm inside near the hole(100mm above bottom surface) and a drain hole at the bottom suitably tapped to receive 1/2" dia., B class GI pipe as per drawing as required.	80	Each	INR	5500.00	440000.00	INR Four Lakh Forty Thousand Only
9	Supply of 200 Watts 20/6.6 Amps 5KV grade 50Hz isolating transformer series type encapsulated in polyster resin finally moulded in neoprene type rubber with primary and secondary connections as specified in particular specifications.	36	Each	INR	5500.00	198000.00	INR One Lakh Ninety Eight Thousand Only
10	Supply of suitable rating 6.6/6.6 Amps 5KV grade 50Hz isolating transformer series type encapsulated in polyster resin finally moulded in neoprene type rubber with primary and secondary connections suitable for above Elevated type Uni-directional type High Intensity Approach LED Light fixture in particular specifications.	110	Each	INR	4500.00	495000.00	INR Four Lakh Ninety Five Thousand Only
11	Supply of 5KV grade plug and receptacle of type I class "B" connector suitable for field attachment with 5KV grade PVC insulated PVC sheathed single core 16 Sq.mm copper conductor cable confirming to the relevant IS specification etc. complete as required.	40	Set	INR	500.00	20000.00	INR Twenty Thousand Only
12	Supply of 5KV grade plug and receptacle of type I class "B" connector suitable for field attachment with 5KV grade PVC insulated PVC sheathed single core 6 Sq.mm copper conductor cable confirming to the relevant IS specification etc. complete as required.	140	Set	INR	500.00	70000.00	INR Seventy Thousand Only
13	Supply of 16 Sq.mm PVC insulated, PVC sheathed standard copper conductor single core airport lighting cable of 5KV grade confirming to IS 1554 Part - II with upto date amendment as required.	200	Mtr	INR	220.00	44000.00	INR Forty Four Thousand Only
14	Supply of 2C X 6 Sq.mm PVC insulated, PVC sheathed standard copper conductor single core airport lighting cable of 5KV grade confirming to IS 1554 Part - II with upto date amendment as required.	3800	Mtr	INR	200.00	760000.00	INR Seven Lakh Sixty Thousand Only
15	Supply of 6 Sq.mm PVC insulated, PVC sheathed standard copper conductor single core airport lighting cable of 5KV grade confirming to IS 1554 Part - II with upto date amendment as required.	3600	Mtr	INR	90.00	324000.00	INR Three Lakh Twenty Four Thousand Only

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
16	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 35m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	2	Mtr	INR	4900.00	9800.00	INR Nine Thousand Eight Hundred Only
17	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 0.45m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	12	Each	INR	600.00	7200.00	INR Seven Thousand Two Hundred Only
18	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 3m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	2	Each	INR	1000.00	2000.00	INR Two Thousand Only
19	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 4m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	12	Each	INR	1100.00	13200.00	INR Thirteen Thousand Two Hundred Only
20	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 6m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	4	Each	INR	1350.00	5400.00	INR Five Thousand Four Hundred Only
21	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 7m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	4	Each	INR	1400.00	5600.00	INR Five Thousand Six Hundred Only
22	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 8m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	16	Each	INR	1500.00	24000.00	INR Twenty Four Thousand Only
23	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 9m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	32	Each	INR	1650.00	52800.00	INR Fifty Two Thousand Eight Hundred Only
24	Supply of 2 Core X 2.5 Sq.mm, 1.1 KV GRADE FLEXIBLE SECONDARY LEAD AFL CABLE of length 10m , multistranded annealed tinned Copper Conductor (Class 5) EPR Insulated, Colour Coded (Red & Black) Cores Laid up & PCP/TPE Sheathed with Molded Two pin secondary Plug at one End etc. complete as required.	21	Each	INR	1750.00	36750.00	INR Thirty Six Thousand Seven Hundred & Fifty Only

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
25	Supply of Frangible Tubular Approach Mast of height ranging from 1 m to 1.5 m with Base Plate, Six numbers M-10 stainless steel bolts, spring and plain washers suitable for mounting single approach light fitting on top and suitable for fixing base plate of the mast on existing transformer housing box etc. complete as required.	1	Each	INR	14000.00	14000.00	INR Fourteen Thousand Only
26	Supply of Frangible Tubular Approach Mast of height ranging above 1.5 m to 2 m with Base Plate, Six numbers M-10 stainless steel bolts, spring and plain washers suitable for mounting single approach light fitting on top and suitable for fixing base plate of the mast on existing transformer housing box etc. complete as required.	1	Each	INR	17000.00	17000.00	INR Seventeen Thousand Only
27	Supply of Frangible Tubular Approach Mast of height ranging above 2 m to 2.5 m with Base Plate, Six numbers M-10 stainless steel bolts, spring and plain washers suitable for mounting single approach light fitting on top and suitable for fixing base plate of the mast on existing transformer housing box etc. complete as required.	5	Each	INR	24000.00	120000.00	INR One Lakh Twenty Thousand Only
28	Supply of Frangible Tubular Approach Mast of height ranging above 2.5 m to 3 m with Base Plate, Six numbers M-10 stainless steel bolts, spring and plain washers suitable for mounting single approach light fitting on top and suitable for fixing base plate of the mast on existing transformer housing box etc. complete as required.	7	Each	INR	26000.00	182000.00	INR One Lakh Eighty Two Thousand Only
29	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 3.0m to 3.5 m	2	Each	INR	90000.00	180000.00	INR One Lakh Eighty Thousand Only
30	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 3.5 m to 4 m	2	Each	INR	95000.00	190000.00	INR One Lakh Ninety Thousand Only
31	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 4 m to 4.5 m	1	Each	INR	100000.00	100000.00	INR One Lakh Only
32	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 4.5 m to 5 m	1	Each	INR	110000.00	110000.00	INR One Lakh Ten Thousand Only

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
33	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 5 m to 5.5 m	2	Each	INR	115000.00	230000.00	INR Two Lakh Thirty Thousand Only
34	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 5.5 m to 6 m	2	Each	INR	130000.00	260000.00	INR Two Lakh Sixty Thousand Only
35	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 2 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 6 m to 6.5 m	6	Each	INR	137000.00	822000.00	INR Eight Lakh Twenty Two Thousand Only
36	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 3 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 4 m to 4.5 m	4	Each	INR	100000.00	400000.00	INR Four Lakh Only
37	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 3 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 5 m to 5.5 m	5	Each	INR	120000.00	600000.00	INR Six Lakh Only
38	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 3 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 5.5 m to 6 m	3	Each	INR	134000.00	402000.00	INR Four Lakh Two Thousand Only
39	Supply of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of following size with cross arm suitable for mounting 3 approach light fittings, with tiltable type base plate, foundation bolts & nuts, spring & plain washers etc. complete as required. Mast height above 6 m to 6.5 m	3	Each	INR	143000.00	429000.00	INR Four Lakh Twenty Nine Thousand Only

Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
40	Installation of CI transformer housing boxes on cement concrete foundation including excavation, providing 200mm thick 1:3:6 base concrete (1 cement : 3 coarse sand : 6 graded store aggregate 20mm nominal size) size 830mm x 830mm, providing 1:2:4 all round concrete of size 630mm L, 630mm B, 400mm H; top surface slopped to match transformer housing box top, providing 1 No. 300 mm long 15mm dia B class GI pipe for drain, refilling & disposing off surplus earth etc. complete as required.	107	Each	INR	3200.00	342400.00	INR Three Lakh Forty Two Thousand Four Hundred Only
41	Providing and Fixing of top cover plate made with 5mm thick MS Sheet suitable for existing 330mm dia CI transformer housing box with 6 Nos. Stainless steel M-10 bolts, spring and plain washers including providing and fixing of rubber gasket, painting the cover plate with one coat of primer and two coats of synthetic enamel paint etc. complete as required.	96	Each	INR	600.00	57600.00	INR Fifty Seven Thousand Six Hundred Only
42	Excavation of earth and Construction of RCC foundation/pillar/pedestal with min. 10mm dia. TMT rod and with 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) of suitable height below ground to above ground level (upto 2m) including cost of centering and shuttering etc. and fixing of base plate with foundation bolts, refilling & disposing off surplus earth etc. complete as required etc. as per the recommendations of the OEM suitable for installation of Fibreglass frangible lattice masts of height upto 6.5 m complete as required. (The foundation Drawings shall be got approval from Engineer in Charge as per the sizes and heights of the frangible Lattice masts)	37	Cum	INR	7000.00	259000.00	INR Two Lakh Fifty Nine Thousand Only
43	Assembly and Erection of Frangible Tubular Approach Mast of various sizes and height ranging from 1 m to 3 m on the existing transformer housing boxes etc. complete as required.	14	Each	INR	500.00	7000.00	INR Seven Thousand Only
44	Assembly and Erection of Fibreglass (UV Resistant type tested) Frangible Lattice Approach Mast of various sizes and height ranging from 3 to 6.5 m on the existing foundations etc. complete as required.	31	Each	INR	1000.00	31000.00	INR Thirty One Thousand Only
45	Supply and laying 1 inch PVC coated G.I flexible Hose on surface of Fibreglass frangible lattice mast with suitable steel clamp/steel tag, including laying of secondary lead AFL cable in the hose as per site requirements. etc. complete as required.	650	Mtr	INR	50.00	32500.00	INR Thirty Two Thousand Five Hundred Only

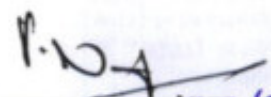
Sl. No.	Item Description	Quantity	Units	Quote d Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
46	Installation, Testing and Commissioning of elevated type High Intensity Unidirectional Threshold/Approach light fittings on the existing Transformer Housing box including Installation of Isolating Transformer, Light fixtures and other accessories and including alignment, levelling, angle settings as per ICAO requirements making transformer connections, primary & secondary lead connections and earth connections etc. complete as required.	50	Each	INR	200.00	10000.00	INR Ten Thousand Only
47	Installation, Testing and Commissioning of elevated type High Intensity Unidirectional Threshold/Approach light fittings on the existing frangible masts upto a height of 6.5 m including Installation of Isolating Transformer, Light fixtures and other accessories and including alignment, levelling, angle settings as per ICAO requirements, making transformer connections, primary & secondary lead connections and earth connections etc. complete as required.	91	Each	INR	150.00	13650.00	INR Thirteen Thousand Six Hundred & Fifty Only
48	Making field connections by crimping 6/16 Sq.mm plug and receptacle with the existing 6 Sq.mm Single core PVC Copper conductor PVC insulated, PVC sheathed cable including filling with gap with water sealer material, supplying HT insulation tape over which PVC tape etc, as required.	163	Each	INR	200.00	32600.00	INR Thirty Two Thousand Six Hundred Only
49	Supply of 63mm dia(OD-63mm & ID-51mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend,couplers etc. confirming to IS 14930, Part II complete etc., complete as required.	3800	Mtr	INR	120.00	456000.00	INR Four Lakh Fifty Six Thousand Only
50	Supply of 50 mm dia(OD-50 mm & ID-38mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend,couplers etc. confirming to IS 14930, Part II complete etc., complete as required.	4500	Mtr	INR	100.00	450000.00	INR Four Lakh Fifty Thousand Only
51	Laying of 63mm/50mm dia DWC HDPE pipe ISI marked along with all accessories like socket, bend,couplers etc. complete with cutting, jointing etc. direct in ground (80cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering et., complete as required.	8300	Mtr	INR	50.00	415000.00	INR Four Lakh Fifteen Thousand Only
52	Laying of one number pvc insulated and pvc sheathed XLPE power cable of 5/1.1KV Grade Airfield Lighting Cable of size 2C x 6 sq.mm / 1C x 6 Sq.mm / 1 x 16 Sq.mm/2C x 4 Sq.mm in the existing RCC/ HUME / STONEWARE/ METAL/DWC pipe/Transformer housing box/including in the existing pipes of Taxiways/service road crossings etc. complete as required.	8800	Mtr	INR	10.00	88000.00	INR Eighty Eight Thousand Only

Sl. No.	Item Description	Quantity	Units	Quote d Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
53	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. [Upto 4C x 35 Sq. mm]	50	Mtr	INR	10.00	500.00	INR Five Hundred Only
54	Supply and laying of 50 mm dia medium class GI pipe (ISI marked) along with all accessories like socket, bend, couplers etc.in the existing bituminous/CC road cutting area as per the site requirement etc. complete as required	60	Mtr	INR	600.00	36000.00	INR Thirty Six Thousand Only
55	Supply and laying of 25 mm dia medium class GI pipe (ISI marked) along with all accessories like socket, bend, couplers etc.in the existing bituminous/CC road cutting area as per the site requirement etc. complete as required	60	Mtr	INR	300.00	18000.00	INR Eighteen Thousand Only
56	Supply, installation, testing, commissioning of feeder pillar box made out of 3mm thick hot press moulded SMC (GS -JB - 3750 type or equivalent) of size with outside dimensions not less than 395mm(H) x 545 mm(W) x 220mm(D) and inner dimensions as 350mm(H)x481mm(W)x210 (D) watertight construction with 2 Nos 50mm dia GI pipe legs with breakable coupling , making necessary provision for cable entry for 2x16 sq.mm/2x6sq.mm PVC sheathed & PVC insulated armoured/unarmoured cable and making brick pedestal of size 1mx1m around the feeder pillar box with brick,sand cement mortar of ratio 1:6 (1cement : 6 sand) etc. complete as required.	10	Each	INR	5000.00	50000.00	INR Fifty Thousand Only
57	Earthing with G.I. earth pipe of 4 metre long, 40 mm dia including accessories, and providing 300x300x450(H) mm RCC earth pit chamber suitable to receive 6mm thick MS chequered plate with handle,strengthening & compaction of soil below the earth pit chamber including providing suitable ratio PCC, providing & laying positional cement concrete (1:2:4) of depth 100mm surrounding the earth pit chamber covering surface area of 01 Sqmtr,including providing and fixing of reducer, water funnel with wire mesh arrangement for watering etc. with charcoal/coke and salt as required.	10	Each	INR	6000.00	60000.00	INR Sixty Thousand Only
58	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble, excavation and re-filling as required.	30	Mtr	INR	200.00	6000.00	INR Six Thousand Only
59	Supply & laying of 6 SWG G.I earth wire along the cable for loop earthing etc. as required.	9200	Mtr	INR	16.00	147200.00	INR One Lakh Forty Seven Thousand

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Sl. No.	Item Description	Quantity	Units	Quoted Currency in INR / Other	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder	TOTAL AMOUNT Excluding GST	TOTAL AMOUNT In Words
60	Groove cutting on PCC/bitumin asphalt of suitable width and depth up to 100mm suitable for providing and laying 25mm dia GI pipe including refilling the groove with C.C./Redrox or suitable Sealant material, making good finish etc. complete as required.	60	Mtr	INR	550.00	33000.00	INR Thirty Three Thousand Only
61	Excavation of existing Bituminous/ Concrete road to facilitate laying of metal pipe including disposal of material within 50 Meters lead and providing & laying in position 1:2:4 (1 Cement; 2 Coarse sand; 4 Graded stone aggregate of 20 mm nominal size) all works up to plinth level to fill up the excavated trenches after laying of the metal pipe complete above etc. as required.	5	Cum	INR	7000.00	35000.00	INR Thirty Five Thousand Only
62	Supply and laying of following size heavy duty XLPE insulated PVC sheathed copper conductor armoured control cable of 1.1 KV grade commissioning to IS 7098, Part - I 1988 with upto date amendments including connections between CCR and ALCMS in coordination with the AAI AMC contractor of ALCMS etc. complete as required. 8C x 2.5 Sq.mm	60	Mtr	INR	325.00	19500.00	INR Nineteen Thousand Five Hundred Only
63	Supply and making end termination with brass compression gland and aluminium lugs for XLPE Insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade and sizes as required for the following. 4 C X 35 Sq mm	4	Each	INR	500.00	2000.00	INR Two Thousand Only
64	Dismantling of existing Simple Approach light complete fittings including frangible tubular pole of various heights, isolating transformer and other accessories etc. complete as required.	17	Each	INR	1000.00	17000.00	INR Seventeen Thousand Only
65	Carry out Level Survey Using total station of complete approach area for providing CAT-I lighting for a distance of 710mtrs from Runway 23 Threshold and notify approach light fitting and frangible masts location as per drawing/design including providing Pegmark/ Permanent marking as required and as per direction of Engineering Incharge etc. complete as required.	1	Job	INR	90455.00	90455.00	INR Ninety Thousand Four Hundred & Fifty Five Only
Total in Figures						1555555.00	
Quoted Rate in Words		INR One Crore Fifty Five Lakh Fifty Five Thousand Five Hundred & Fifty Five Only					

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 सहायक महा प्रबंधक (अ.वि.)
 Asst General Manager (Engg-Elect)
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