



भारतीय विमानपत्तन प्राधिकरण
बिरसा मुण्डा विमानपत्तन, राँची - 834002
AIRPORTS AUTHORITY OF INDIA
BIRSA MUNDA AIRPORT, RANCHI - 834002

Ref: AAI/RC/SM(Engg.-E)/WO-11/Perimeter Cable/2024-25/199-206

Date : 17.03.2025

सेवा में,	To,
मेर्सस अमर एंटरप्राइजेज, वीर कुँवर सिंह कॉलोनी, हिनू, राँची-834002 ईमेल : amarjeet.748@gmail.com	M/s AMAR ENTERPRISES, Veer Kunwar Singh Colony, Hinoo, Ranchi-834002 Email: amarjeet.748@gmail.com

विषय : बिरसा मुंडा हवाई अड्डे, राँची पर परिधि केबल और एल.ई.डी. लाइट फिक्सचर का प्रतिस्थापन।

Subject : Replacement of Perimeter Cable and LED Light Fixture at B.M. Airport, Ranchi.

संदर्भ : (i) CPP Portal Bid No: 2025_AAI_225256_1
(ii) Your Price Bid on CPP portal - 25.02.2025

महोदय,

1. उपर्युक्त कार्य हेतु आपकी निविदा अध्यक्ष, भा0वि0प्रा0 की ओर से एतद्वारा इस आधार पर स्वीकार की जाती है कि आपके द्वारा उद्धृत आइटम दरों पर कुल योग, रु. 73,45,500.00 (तिहत्तर लाख पैंतालीस हजार पाँच सौ रुपये मात्र) जी.एस.टी. को छोड़कर जो कि 36.76% अनुमानित दर रु. 1,16,15,277.00 (एक करोड़ सोलह लाख पंद्रह हजार दो सौ सतहत्तर रुपये मात्र) से कम है।

Your tender for the work mentioned above hereby accepted on behalf of the Chairman, AAI, at the item rates quoted by you totaling to Rs. 73,45,500.00 (Rupees Seventy Three Lakhs Forty Five Thousand Five Hundred Only) excluding GST which is 36.76% below from the estimate cost put in tender Rs. 1,16,15,277.00 (Rupees One Crore Sixteen Lakhs Fifteen Thousand Two Hundred Seventy Seven Only).

2. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमत समय चार महीने का है, जिसकी गिनती इस पत्र के जारी होने के दसवें दिन के बाद से शुरू हो जाएगी।

Please note that the time allowed for carrying out the work is (04) Four Months, which shall be reckoned after 10 days from the date of issue of this letter.

3. अनुबंध दस्तावेजों के ईएनआईटी-02 के अनुसार बयाना राशि आपकी निविदा के साथ प्राप्त रु. 3,48,458.00 (तीन लाख अड़तालीस हजार चार सौ अठ्ठावन रुपये मात्र) को सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया रु. 10,83,008.00 (दस लाख तिरासी हजार आठ रुपये मात्र) जमानत राशि के रूप में इस पत्र के जारी होने की तिथि से 15 दिनों के भीतर जमा करा दें, ऐसा न करने पर शर्त के अनुसार आपके चल रहे बिलों से कटौती की जाएगी। 1(ए) अनुबंध दस्तावेजों के पेज जीसीसी-16 पर।

As per eNIT-02 of the contract documents, Earnest Money amount of Rs. 3,48,458.00 (Rupees Three Lakh Forty Eight Thousand Four Hundred and Fifty Eight Only) received along with your tender has been converted as part of security deposit. Please deposit Rs. 10,83,008.00 (Rupees Ten Lakh Eighty Three Thousand Eight Only) towards security deposit within 15 days from the date of issuing of this letter, failing which, the same will be deducted from your running bills as per condition 1(A) on page GCC-16 of the contract documents.

4. एजेंसी अधिकतम उद्धृत राशि के @10% की दर से सुरक्षा जमा के खिलाफ बैंक गारंटी जमा करेगी और डीएलपी अवधि + 03 महीने की दावा अवधि तक कुल अनुबंध के लिए वैध होगी। यदि एजेंसी बैंक गारंटी जमा नहीं करती है, तो उस स्थिति में, सुरक्षा जमा @10% चालू और अंतिम बिल से काट लिया जाएगा। सुरक्षा जमा राशि दोष देयता अवधि के संतोषजनक पूरा होने के बाद ही वापस की जाएगी।

The agency shall submit the Bank Guarantee against the Security Deposit @ 10% of quoted amount and be valid for total contract up to DLP period plus 03 months claim period. If the agency do not submit the Bank Guarantee, in that case, the Security Deposit @ 10% will be deducted from running and final bills. The security seposit shall be refunded only after satisfactory completion of defects liability period.

टेली फेक्स : 0651 - 2252042 (का), दूरभाष : 0651 - 2250107

Tele Fax: 0651-2252042(O) Telephone: 0651 - 2250107



भारतीय विमानपत्तन प्राधिकरण
बिरसा मुण्डा विमानपत्तन, राँची - 834002
AIRPORTS AUTHORITY OF INDIA
BIRSA MUNDA AIRPORT, RANCHI - 834002

5. वरिष्ठ प्रबंधक (अभि.-विद्युत), भा0वि0प्रा0 बिरसा मुण्डा हवाई अड्डा राँची कार्य के प्रभारी अभियंता होंगे। आप कृपया अपने प्राधिकृत एवं संविदा-करार पर हस्ताक्षर करने में सक्षम प्रतिनिधि को हस्ताक्षर एवं करार पूरा करने हेतु वरिष्ठ प्रबंधक(अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बिरसा मुण्डा हवाई अड्डा, राँची के कार्यालय में 01.04.2025 तक भेजे। संविदा करार आप द्वारा उपलब्ध कराए गए 100/- रु (सौ रूपया) के गैर अदालती पक्के कागज पर सम्पादित किया जाएगा।

Sr.Manager (Engg.-E), AAI, BM Airport, Ranchi, shall be the Engineer-in-charge of the work. You are requested to depute your accredited representative empowered to sign the contract agreement on your behalf to attend the office of Sr.Manager (Engg.-E), Airports Authority of India, BM Airport, Ranchi by 01.04.2025 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- and cost of the stamp paper shall be borne by you.

6. आपसे अनुरोध है कि आप संविदा श्रम (नियमन व समापन) अधिनियम-1970 के प्रावधानों तथा संविदा श्रम (नियमन व समापन) केन्द्रीय नियम, 1971, एवं केन्द्र व राज्य सरकारों के तत्सम्बन्धी न्यूनतम मजदूरी अधिनियम व नियमों का पालन करें। You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act. of 1970 and Contract Labour (Regulation & Abolition) Central Rules-1971 & Minimum Wages Act., & rules thereof of Central and State Governments.

7. आपकी निविदा एवं इस कार्य के संदर्भ में उल्लिखित पत्र, इस अवार्ड पत्र सहित करार का हिस्सा होंगे। कृपया नोट करें कि दोष दायित्व अवधि (12) बारह महीने होगी।

Your tender mentioned above under the reference for this work shall form part of the agreement along with this awarded letter. Please note that the defect liability period shall be (12) Twelve Months with effect from actual date of completion.

8. भविष्य में संविदा से संबंधित कोई भी पत्राचार वरिष्ठ प्रबंधक(अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बिरसा मुण्डा हवाई अड्डा, राँची से किया जाए। Any further correspondence in connection with the contract shall normally be addressed to the SM (Engg.-E), BM Airport, Ranchi.

9. अन्य सभी नियम और शर्तें एनआईटी के अनुसार होंगी। Rest all other Terms & Condition shall be as per NIT.

10. कृपया पावती भेजें। Please acknowledge the receipt of the same.

धन्यवाद / Thanking you,

Encl: 1.Schedule of Quantity Annexure-I – 05 pages

भवदीय,
रिजेन्डेंट 12/03/25
वरिष्ठ प्रबंधक (अभि-वि0)
अध्यक्ष की ओर से
भा0वि0प्रा0, वि0मु0एयरपोर्ट
राँची-834 002

AIRPORTS AUTHORITY OF INDIA
B. M. AIRPORT, RANCHI
SCHEDULE OF QUANTITY

Name of work:- Replacement of Perimeter Cable and LED Light Fixture at B.M. Airport, Ranchi.

Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	Supply of following sizes of aluminium conductor XLPE insulated and PVC sheathed armoured cable conforming to IS 7098(Part-I)1988 with up to date amendments.				
1.01	3½ X 185sq. mm	Mtr	2730	750.00	2047500.00
1.02	4 X 25 sq. mm	Mtr	6972	154.00	1073688.00
2	Supply of 50 mm dia OD ISI marked HDPE Pipe as per IS :4984:2016 of PE 80 grade and PN 6 rating complete as required.	Mtr	6308	38.00	239704.00
3	Supply of 110 mm dia OD ISI marked HDPE Pipe as per IS :4984:2016 of PE 80 grade and PN 8 rating complete as required.	Mtr	2600	187.00	486200.00
4	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.				
4.01	3½ X 185 sq. mm	set	10	535.00	5350.00
4.02	4 X 25 sq. mm	set	664	202.00	134128.00
5	Supply of LED Street Light fitting having system lumen output not less than 4950 Lumens with system efficacy of not less than 110 lumens per watt, Power Factor ≥ 0.95 & THD < 10%, CRI of Min. 70, CCT : 5700K - 6500K, made of high pressure die cast Aluminium/ standard alloy housing , toughened glass protector, operating voltage range 140 – 270V, 50 Hz AC supply , surge protection > 4KV with minimum IP-65 Protection complete with electronic driver and accessories etc suitable for outdoor applications. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture.	Nos	334	1520.00	507680.00
6	Supply and Fixing of street light pole Cable Junction Box with locking arrangement and suitable for outdoor application (min IP 65) containing terminal plate and 4 way heavy duty connector for loop-in loop-out cable termination and suitable for upto 02 Nos 4C X 25sq.mm. cable provision for mounting single pole MCB inside cable junction box alongwith supply and fixing of pole mounting bracket/clamp, incoming & outgoing cable glands, fasteners etc including necessary interconnection of wires complete as required. (Make: Hensel or equivalent)	job	334	1400.00	467600.00
7	Supply & Fixing of 6A rating, 240/415 V, 10 kA, "C" curve, MCB suitable for inductive load of Double Pole in the existing Street Light Junction Box, connections etc. complete as required.	Each	334	100.00	33400.00

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Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
8	Supply, Installation, Testing and Commissioning of cubicle type LT panel/ Outdoor feeder pillar, IP42 protection in case of indoor panel and IP-54 in case of outdoor feeder pillar, suitable for 415V, 3 Phase, 4 wire 50 Hz AC supply system fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland, plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having 4P Aluminium alloy bus bars of high conductivity, SMC bus bar supports, with short circuit withstand capacity of 36 KA for 1 sec, bottom base channel of MS section suitable to withhold the load of the panel, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 25 mm x 5 mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with suitable size of PVC insulated copper conductor S/C cable, cable alleys, cable gland plates, i/c providing following switch gears :-				
	All live accessible parts shall be shrouded and all equipment shall be finger touch proof. SMC shrouds busbar supports shall be used. Padlocking facility shall be provided on all MCCB feeder doors and switch handles shall be lockable in OFF position.				
	Sealing Arrangement:- PE Foam Rubber Gasket				
	Bus Bars Supports - Non-Hygroscopic, Non Carbonising, Corrosion Resistant, SMC Supports				
	1 Set of connector (Phase+Neutral) shall be provided in cable alley for all outgoing with interconnection wires between MCB and Connector.				
	Minimum Air Clearances between bus bars;				
	P-P=32mm, P-N=32mm, P-E=26mm and N-E=26mm				
	Panel Power and control Wiring shall be with FRLS PVC insulated cable				
	AC voltage circuit-1.5 sqmm Red, Yellow, Blue & Black				
	Current circuit-1.5 sqmm Red, Yellow, Blue & Black				
	AC Control circuit-1.5 sqmm White for Phase & Black for Neutral				
	DC Control circuit-2.5 sqmm Grey				
	Power circuit- Red, Yellow, Blue for Phase & Black for Neutral				
	Labelling- Computerised Laminated Aluminium Name Plate with White letters on Blue/Black Background For Each Feeder and Panel Itself.				
	All indicating lamps shall be LED type with 2 amp protection MCB				
	All ammeter/ volt meter/MFM shall be digital type of size 96 mm x 96 mm				
	Note: If mentioned fault rating is unavailable consider nearby upside rating				
	Note:				
	All outgoing MCCB shall be with adjustable O/L protection				
	All outgoing MCCB shall have 1 Set of ON/ OFF Indicating LED Lamps with 2 Amp MCB.				
	All incomers and Buscoupler breakers shall be electrical and mechanical interlocked with suitable accessories.				
8.01	Main Feeder Pillar				
	Incomer-				

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Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	2 Nos.250A, 4P MCCB, 25 KA, Microprocessor based release (Ics = Icu = 100%) with inbuilt O/L , S/C & E/F protection with 1 Set of ON/ OFF Indicating LED Lamps with 2 Amp MCB	Job	2	200000	400000.00
	Each Incomer shall have one set of the following items:				
	1 No. Digital MFM meter and 3 nos. CTs of ratio250/5A , Class 0.5 accuracy and 10 VA burden. digital multifunction meter suitable to measure voltage, Ampere, Frequency, Power Factor				
	1 Set of ON/ OFF/TRIP Indicating LED Lamps with 2 Amp MCB.				
	1 Set of phase indicating LED lamps with 2 amp back up MCB.				
	Buscoupler				
	1 No. 250A, 4P MCCB, 25 KA, Microprocessor based release (Ics = Icu = 100%) with inbuilt O/L , S/C & E/F protection with 1 Set of ON/ OFF Indicating LED Lamps with 2 Amp MCB.				
	Busbars				
	4P aluminium bus bars of 315 A capacity with heat shrinkable coloured sleeves i/c SMC bus bars supports at required intervals complete for cross section, size				
	Outgoing				
	4 Nos. 125 A 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	2 Nos. 63 A 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	2 No. 40A 4P MCB C- CURV with built in thermal magnetic release with adjustable thermal setting				
	2 Nos. Type-C SPD .				
	Contactor with timer (Astronomical time switch) assembly of suitable rating for On/Off push button for manual operation, A/M selector switch.- 01 set				
8.02	Outdoor feeder pillar	Job	3	160000	480000.00
	Incomer				
	2 Nos. 100A, 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA) with inbuilt O/L , S/C & E/F protection with 1 Set of ON/ OFF Indicating LED Lamps with 2 Amp MCB				
	Each Incomer shall have one set of the following items:				
	1 No. Analog ammeter and 1 No. Analog voltmeter				
	1 Set of ON/ OFF Indicating LED Lamps with 2 Amp MCB.				
	1 Set of phase indicating LED lamps with 2 amp back up MCB.				
	Buscoupler				
	1 No. 100A, 4P MCCB, 25 KA, thermal magnetic release based release (Ics = Icu = 100%) with inbuilt O/L , S/C & E/F protection with 1 Set of ON/ OFF Indicating LED Lamps with 2 Amp MCB.				
	Busbars				
	4P aluminium bus bars of 125 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 25 KA for 1 sec.				
	Outgoing				
	4 Nos. 63A TPN MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				

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Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	2 Nos. 40A TPN MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	1 Nos. Type-C SPD with fuse shall be provided				
	Contactor with timer (Astronomical time switch) assembly of suitable rating for On/Off push button for manual operation, A/M selector switch.- 01 set				
9	Laying of following Outer dia HDPE pipe along with all accessories like socket, bend , couplers etc. complete with fitting and cutting, jointing etc. direct in ground(75 cm below level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. complete as required.				
9.01	50mm dia	Mtr	6308	50.00	315400.00
9.02	110mm dia	Mtr	2600	37.00	96200.00
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/HDPE/Masonry Open Duct pipe as required.				
10	upto 35 sq mm	Mtr	6500	22.00	143000.00
10	Above 95 sq. mm and upto 185 sq. mm	Mtr	2400	37.00	88800.00
11	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
11	upto 35 sq mm	Mtr	500	33.00	16500.00
11	Above 95 sq. mm and upto 185 sq. mm	Mtr	100	83.00	8300.00
12	Laying of following Outer dia HDPE pipe along with all accessories like socket, bend , couplers etc. complete with fitting and cutting, jointing etc. in cement concrete / bitumen surface i/c cutting cement concrete / bitumen surface and finishing with good surface after laying HDPE pipe etc. as required:				
12	50mm dia	Mtr	20	137.00	2740.00
12	110mm dia	Mtr	100	152.00	15200.00
13	Laying of 110 mm Outer dia (PE-80 & PN-8) HDPE pipe through trenchless technology by drilling the bore (HDD) of suitable dia directly in ground upto the depth of 3 meters from the ground level including necessary jointing coupling, splicing etc as required.	Mtr	350	300.00	105000.00
14	Installation, Testing & commissioning of LED type fitting on 6mtr (approx) Octagonal pole i/c wiring with 3C X1.5 sqmm PVC insulated & PVC round sheathed copper conductor cable of suitable length upto loop in loop out box including necessary connection etc complete as required.	job	81	59.00	4779.00
15	Installation, Testing & commissioning of LED type fitting on 3mtr (approx) Octagonal pole i/c wiring with 3C X2.5 sqmm PVC insulated & PVC round sheathed copper conductor cable of suitable length upto loop in loop out box including necessary connection etc complete as required.	job	253	47.00	11891.00
16	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 metre long etc. (but without charcoal/ coke and salt) as required.	Each	8	4000.00	32000.00
17	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.	Mtr	200	427.00	85400.00
18	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	50	159.00	7950.00

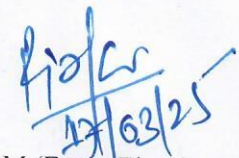
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Item No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
19	Earthing with GI pipe 4.5 mtr long X40 mm dia including accessories, and providing masnory enclosure with cover plate having locking arrangement and watering pipe etc.(with charcoal or coke and salt) complete as required.	Each	30	3277.00	98310.00
20	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.	Mtr	200	100.00	20000.00
21	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Mtr	200	20.00	4000.00
22	Providing and laying of 6 SWG dia G.I. wire on the existing HDPE/GI/DWC	Mtr	7500	10.00	75000.00
23	Dismantling of existing Street light Fitting from the Street Light Pole of upto 7 Mtrs Height and shifting it to AAI Stores complete as required	Each	334	20.00	6680.00
24	Dismantling of existing LT panel available at Operational area of Ranchi Airport including disconnection & dismantling of control and power cabling, earthing etc, disassembling the Panel from the PCC/metal structure alongwith shifting and transporting of LT Panel to AAI Stores etc and handing over the same to AAI, complete as arequired and as per the instructions of the Engineer-In-Charge.				
24	Main Feeder Pillar (Incomer upto 250 A)	Job	1	3000.00	3000.00
24	Sub-Feeder Pillar (Incomer upto 100 A)	Job	4	2000.00	8000.00
25	Dismantling the existing upto 9 m perimeter pole from the existing location etc as required.	Job	173	300.00	51900.00
26	ITC of existing pole upto 9 m high with all accessories and supply & making foundation of reinforced cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 40mm nominal size) including excavation and refilling, including positioning of template & foundations bolts complete as required and as per technical specification and as per direction of EIC.	Job	173	1400.00	242200.00
27	Providing & fixing pole arm made of 32/40 mm dia. GI pipe a suitable for existing pole i/c clamping etc. as reured as per direction of EIC.	Job	70	400.00	28000.00
Total Rs.					7345500.00

Note : Rate is Comprehensive and excluding of GST.

Say Rs. 73,45,500.00 (Rupees Seventy Three Lakhs Forty Five Thousand Five Hundred Only)


 SM (Engg.-Elect.)
 Rishendra Kumar
 AIRPORT, Ranchi
 वरिष्ठ प्रबंधक (अभि.- विद्युत) / Sr.Manager (Engg.- Elect.)
 भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
 बिरसा मुण्डा हवाई अड्डा, राँची - 834002 / Birsa Munda Airport, Ranchi - 834002

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Signature Not Verified

Digitally signed by Rishendra Kumar
 Date: 2025.07.30 15:49:08 IST
 Location: eProcurement System for Central PSUs