



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

Ref: AAI/RC/SM(Engg.-E)/WO-05/ LT PANEL /2024-25/97-104

Date : 28.09.2024

सेवा में,	To, 30
मेर्सस अमर एंटरप्राइजेज, वीर कुँवर सिंह कॉलोनी, हिन्नु रांची- 834002	M/s AMAR ENTERPRISES, Veer Kunwar Singh Colony, Hinoo, Ranchi-834002 Email: amarjeet.748@gmail.com

विषय : बिरसा मुंडा हवाई अड्डे, राँची में विभिन्न स्थानों पर एलटी पैनेल और आंतरिक विद्युत कार्यों की एसआईटीसी।

Subject : SITC of LT panel and internal electrical works at different location at B.M.Airport, Ranchi.

संदर्भ : (i) CPP Portal Bid No: 2024_AAI_205072_1
(ii) Your Price Bid on CPP portal – 12.09.2024

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, 34,90,025.00 (चौतीस लाख नब्बे हजार पच्चीस **रुपया मात्र**) जी.एस.टी. को छोड़कर जो कि 28.04% अनुमानित दर 48,50,155.00 (अड़तालीस लाख पचास हजार एक सौ पचपन **रुपया 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. 34,90,025.00 (Thirty Four Lakhs Ninety Thousand and Twenty Five Only)** excluding GST which is 28.04% below from the estimate cost put in tender **Rs. 48,50,155.00 (Rupees Forty Eight Lakhs Fifty Thousand One Hundred and Fifty Five 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. 97,003.00 (सत्तानबे हजार और तीन **रुपया मात्र**) को सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया 4,46,006.00 (चार लाख छियालीस हजार छः **रुपया मात्र**) रुपये 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. 97,003.00 (Rupees Ninety Seven Thousand and Three Only) received along with your tender has been converted as part of security deposit. Please deposit Rs. 4,46,006.00 (Rupees Four Lacs Forty Six Thousand and Six 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.

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

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

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



भारतीय विमानपत्तन प्राधिकरण
बिरसा मुण्डा विमानपत्तन, राँची - 834002
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कार्यालय में 14.10.2024 तक भेजे। संविदा करार आप द्वारा उपलब्ध कराए गए 100/- रु (सौ रुपया) 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 (Egg.-E), Airports Authority of India, BM Airport, Ranchi by 14.10.2024 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.

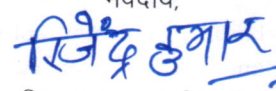
9. E.P.F. & E.S.I. की दिशा में भुगतान सीधे मौजूदा नियमों के अनुसार ठेकेदार द्वारा सीधे संबंधित शासी निकायो को किया जाएगा और भुगतान के लिए मासिक आधार पर बयान का प्रमाण AAI को प्रस्तुत किया जाएगा। The payment towards E.P.F. & E.S.I. shall be paid by the contractor directly to the concerned governing bodies as per existing rules and the proof of the statement shall be submitted to AAI on monthly basis for payment.

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

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

धन्यवाद/Thanking you,

Encl: 1.Schedule of Quantity Annexure-I - 5 pages

भवदीय,

वरिष्ठ प्रबंधक (अभि-विद्युत) 30/09/2024
अध्यक्ष की ओर से और उनके लिए
भा0वि0प्रा0,बि0मु0एयरपोर्ट

Airports Authority of India

BM Airport, Ranchi

SCHEDULE OF QUANTITY

Name of work:- SITC of LT panel and internal electrical works at different location at B.M.Airport, Ranchi.

Item no.	Description of Items	Unit	Qty	Rate	Amount
1	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, 36 KA 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.				
(i)	Main incomer panel (TTA Type) Incomer- 4P aluminium bus bars of 800A 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. Outgoing 2 Nos. 630A, 4P MCCB, 36KA, Microprocessor based release (Ics = Icu = 100%) with inbuilt O/L, S/C & E/F protection with 1 Set of ON/ OFF and phase Indicating LED Lamps with 2 Amp MCB with rotatory handle. 2 Nos. Type-2 SPD 65kA 4P (Similar to HAGER (SPN465R) or Equivalent) with 1No. Red Indicator Light for SPD with 1Set. SPD Back up fuse 1P 50A 20kA including all necessary accessories.	Job	1.00	190000.00	190000.00

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P. H. S. /
SM (ET)

Item no.	Description of Items	Unit	Qty	Rate	Amount
(ii)	UPS incomer panel (TTA Panel)	Job	1	780000.00	780000.00
	Incomer-I & II				
	2 Nos. 630A, 4P MCCB, 36 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				
	Each Incomer shall have one set of the following items:				
	1 No. Digital MFM meter and 3 nos. CTs of ratio 630/5A, Class 0.5 accuracy and 10 VA burden. digital multifunction meter suitable to measure voltage, Ampere, Frequency, Power Factor with RS-485 Port				
	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. 630A, 4P MCCB, 36 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 800A 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.				
	Outgoing				
	6 Nos. 320A 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	3 Nos. 125A 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	2 No. 100A 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	3 No. 63A 4P MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	2 Nos. Type-2 SPD 65kA 4P (Similar to HAGER (SPN465R) or Equivalent) with 1No. Red Indicator Light for SPD with 1Set. SPD Back up fuse 1P 50A 20kA including all necessary accessories.				
(iii)	Outdoor feeder pillar	Job	1	170000.00	170000.00
	Incomer-I				
	1 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.				
	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)				
	2 Nos. 40A TPN MCCB with built in thermal magnetic release with adjustable thermal setting (Ics = Icu = 25 KA)				
	2 Nos. Type-2 SPD with fuse shall be provided				
(iv)	Dismantling, shifting, reinstallation, testing and commissioning of existing LT panel from operational power house to old power house etc. as required and as per direction of EIC.	Job	2	15000.00	30000.00
	Details of existing panel -				
	Incomer - 400 A - 02 nos., Buscoupler - 400 A - 01 no.				
	Outgoing - 250 A - 02 nos. and 100 A - 06 nos.				
2	Supply of following sizes of XLPE insulated PVC sheathed, Aluminium/Copper conductor, armoured, power cable of 1.1 KV grade conforming to IS:7098 (Part I), 1988 amended upto date etc complete as required.	Mtr	400	823.00	329200.00
	(a) 3½ X 185 sq. mm AL				
	(b) 3½ X 95 sq. mm AL				
	(c) 3½ X 50 sq. mm AL				

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As/c

Item no.	Description of Items	Unit	Qty	Rate	Amount
	(d) 3½ X 35 sq. mm AL	Mtr	400	268.00	107200.00
	(e) 3½ X 25 sq. mm AL	Mtr	800	214.00	171200.00
3	Supply of following sizes of XLPE insulated PVC sheathed, Copper conductor, Unarmoured, power cable of 1.1 KV grade conforming to IS:7098 (Part I),1988 amended upto date etc complete as required.				
	(a) 95 sq. mm Flexible Copper	Mtr	325	870.00	282750.00
	(b) 150 sq. mm Flexible Copper	Mtr	100	1450.00	145000.00
4	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.				
	(a) upto 35 sq. mm	Mtr	100	30.00	3000.00
	(b) Above 35 sq. mm and upto 95 sq. mm	Mtr	100	30.00	3000.00
	(c) Above 95 sq. mm and upto 185 sq. mm	Mtr	100	30.00	3000.00
5	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.				
	(a) upto 35 sq. mm	Mtr	50	30.00	1500.00
	(b) Above 35 sq. mm and upto 95 sq. mm	Mtr	50	30.00	1500.00
	(c) Above 95 sq. mm and upto 185 sq. mm	Mtr	50	30.00	1500.00
6	Supplying and making end termination with double 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.				
	(a) 3½ X 95 sq. mm	Set	2	500.00	1000.00
	(b) 3½ X 185 sq. mm	Set	2	700.00	1400.00
	(c) 3½ X 240 sq. mm	Set	2	900.00	1800.00
7	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.	Set	4	5000.00	20000.00
8	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	40	300.00	12000.00
9	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr	80	200.00	16000.00
10	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable and 1.5 sq. mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required. Group C	Point	50	500.00	25000.00
11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
	(a) 2 x 1.5 sq. mm	Mtr	100	20.00	2000.00
	(b) 3 x 1.5 sq. mm	Mtr	100	40.00	4000.00
	(c) 2 x 2.5 sq. mm	Mtr	100	50.00	5000.00
	(d) 3 x 2.5 sq. mm	Mtr	100	60.00	6000.00
	(e) 2 x 4 sq. mm	Mtr	50	50.00	2500.00
	(f) 3 x 4 sq. mm	Mtr	50	60.00	3000.00
12	Supplying and fixing of modular metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.				
	(a) 75 mm X 75 mm X 60 mm deep	Each	50	100.00	5000.00
	(b) 100 mm X 100 mm X 60 mm deep	Each	50	110.00	5500.00
	(c) 150 mm X 75 mm X 60 mm deep	Each	75	75.00	5625.00
13	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
	(a) 5/6 amps switch	Each	100	35.00	3500.00
	(b) 15/16 amp switch	Each	50	100.00	5000.00
	(c) 3 pin 5/6 amp socket outlet	Each	50	90.00	4500.00
	(d) 5/6 pin 15/16 amp socket outlet	Each	50	80.00	4000.00
	(e) Telephone socket outlet	Each	30	80.00	2400.00

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Item no.	Description of Items	Unit	Qty	Rate	Amount
14	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	50	220.00	11000.00
15	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	Each	30	20.00	600.00
16	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
(a)	1 or 2 Module (75mmX75mm)	Each	10	40.00	400.00
(b)	3 Module (100mmX75mm)	Each	25	120.00	3000.00
(c)	4 Module (125mmX75mm)	Each	20	150.00	3000.00
(d)	6 Module (200mmX75mm)	Each	15	200.00	3000.00
17	Installation, testing and commissioning of pre-wired, LED fitting / compact LED fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copperconductor, single core cable and earthing etc. as required.	Each	50	100.00	5000.00
18	Installation, testing and commissioning of pre-wired, LED fitting / compact LED fitting of all types, complete with all accessories and tube etc., including supplying and fixing ball and socket arrangement, 2 no. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	30	200.00	6000.00
19	Supplying and fixing following way, 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)				
(a)	6 way, Double door	Each	40	1000.00	40000.00
(b)	8 way, Double door	Each	25	1200.00	30000.00
(c)	12 way, Double door	Each	15	1300.00	19500.00
20	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)				
(a)	4 way (4 + 12), Double door	Each	10	2000.00	20000.00
(b)	6 way (4 + 18), Double door	Each	7	2500.00	17500.00
(c)	8 way (4 + 24), Double door	Each	5	3500.00	17500.00
21	Supplying and fixing 5 amps to 32 amps 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.				
(a)	Single pole	Each	500	100.00	50000.00
(b)	Double pole	Each	80	350.00	28000.00
(c)	Triple pole and neutral	Each	5	800.00	4000.00
22	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
(a)	40 A	Each	15	500.00	7500.00
(b)	63 A	Each	5	600.00	3000.00
23	Supply of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.00, Air delivery minimum 210 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	95	2000.00	190000.00

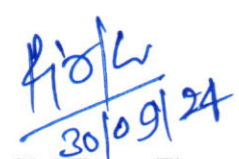
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Item no.	Description of Items	Unit	Qty	Rate	Amount
24	ITC of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.00, Air delivery minimum 210 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	95	50.00	4750.00
25	Dismantling of existing light fitting/switch board etc. as required and as per direction of EIC.	Each	300	1.00	300.00
26	Supply of recessed 2'X2' LED luminaire of battery backup for 90 minutes with 5 W light output made of CRCA steel sheet housing comprising of LED's with secondary optics with individual LED for better light distribution of preferred make with Constant current output driver, It has a system level lumen of ≥ 4320 lumens with luminaire efficacy of not less than 120 lm/W. constant current output driver, operating range 140 – 270V AC supply, voltages, CCT of 5700K - 6500K with PF>0.95 and THD must be <10% & surge protection of > 2.5kv. lumen maintenance of 70% at the end of 50000 burning hours. The luminaire is IP 20 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source. LED shall have reverse polarity, open and short circuit protection (The manufacturer must have provide the 05 year warranty)	Each	50	4500.00	225000.00
27	Supply of Recess mounted Round LED Downlighter delivering system lumen of not less than 2160 lumens with system efficacy ≥ 120 lm/ W. Housing: Die cast Aluminium. IP20 , Optics: Highly efficient acrylic diffuser. The operating CCT shall be 4000°K ± 300 °K with CRI of ≥ 80 . The luminaire shall be with electronic driver with input voltage range of 150 to 270V , THD $\leq 10\%$ & PF ≥ 0.95 , 50,000 Hrs LED Life with L70 Criteria. Luminaire shall have minimum surge protection of 2.5 KV. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacturer. The approx size of fixtures shall be 8". (The manufacturer must have provide the 05 year warranty)	Each	175	700.00	122500.00
Total					3490025.00

Note: Rate is Comprehensive and excluding of GST.

Say Rs. 34,90,025.00 (Thirty Four Lakhs Ninety Thousand and Twenty Five Only)


 SM(Engg-E)
 AAI, BM Airport,
 Ranchi



Signature Not Verified

Digitally signed by RIJENDRA KUMAR
Date: 2025.01.22 12:36:11 IST
Location: eProcurement System for Central
PSUs