



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

देवी अहिल्याबाई होलकर विमानपत्तन, इंदौर-452 005

(आई.एस.ओ.9001:2015 आई.एस.ओ.14001: 2015 एवं आई.एस.ओ. 45001:2018 प्रमाणित विमानतल)

DEVI AHILYA BAI HOLKAR AIRPORT, INDORE-452 005

(ISO 9001:2015, ISO 14001: 2015 & ISO 45001: 2018 Certified Airport)

संदर्भ संख्या : भाविप्रा/इंदौर/अभि.-वि/कार्य आदेश-19/2024-25/111-119 दिनांक : 06/02/2025
Ref. No.: AAI/ID/ENGG(E)/WO-19/2024-25 1150-58(को) Date: 06/02/2025

प्रति,

मेसर्स सिनर्जी लाईटिंग सॉल्यूशन्स,
101, क्यूपी ब्लॉक, नियर एनडीपीएल,
डिस्ट. ऑफिस, पीथमपुरा, पीथमपुरा नॉर्थ,
वेस्ट दिल्ली, दिल्ली - 110034

M/s Synergy Lighting Solutions,
101, QP Block, Near NDPL,
Distt. Office, Pithampura, Pithampura North
West Delhi, Delhi - 110034

कार्य का नाम:- प्रोविजन ऑफ पेरीमीटर लाईटिंग एण्ड इलैक्ट्रिकल पेनल वर्क, इन्क्लूडिंग केबलिंग, रिप्लेसमेंट ऑफ हाई-मास्ट फ्लड लाईट्स एट दे.अ.बा.हो. एयरपोर्ट, इन्दौर।

Name of Work: - Provision of Perimeter Lighting and Electrical Panel work, Including Cabling, replacement of high mast flood lights at DABH Airport Indore.

संदर्भ :- 1) आपकी ई-निविदा 2024_AAI_215253_1 दिनांक 08.01.2025 को खोली गई

Your E-Tender No. 2024_AAI_215253_1 Opened on dated 08.01.2025

प्रिय महोदय / Dear Sir,

- उपरोक्त कार्य हेतु आपका टेण्डर, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से, आपके द्वारा बताये गये मद मुल्यों पर आपकी टेण्डर राशि कुल लागत ₹ 46,96,560/- (रुपये छियालीस लाख छियान्वे हजार पांच सौ साठ मात्र जी.एस.टी. रहित) है, जो कि टेण्डर की अनुमानित लागत राशि ₹ 77,07,264/- जी.एस.टी. रहित से 39.06 % कम है, पर स्वीकृत किया जाता 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 totaling to ₹ 46,96,560/- (Rupees Forty Six Lakh Ninety Six Thousand Five Hundred Sixty Only Excluding GST) which is 39.06% below the Estimated cost put to tender of ₹ 77,07,264/- Excluding GST.

- सहायक महाप्रबंधक (अभि.-विद्युत), भाविप्रा, दे.अ.बा.हो. विमानतल, इन्दौर कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप आपकी ओर से एक विश्वसनीय प्रतिनिधि प्रतिनियुक्त करें जो कि करारनामों पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 17.02.2025 तक सहायक महाप्रबंधक (अभि.-विद्युत), भाविप्रा, दे.अ.बा.हो. विमानतल, इन्दौर के कार्यालय में उपस्थित हो तथा करारनामों को पूरा करें। ठेके का करारनामा रुपये 100/- के नॉन ज्युडिशियल स्टेम्प पेपर पर निष्पादित किया जाएगा, तथा स्टेम्प पेपर का खर्च आपके द्वारा उठाया जाएगा।

Signature
2024

Continued on page No. ...02



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-02-

The Assistant General Manager (Engg.-Elect.), AAI, DABH Airport, Indore 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 the Assistant General Manager (Engg.-Elect.), AAI, DABH Airport, Indore by 17-02-2025 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of Rs. 100/- and the cost shall be borne by you.

3. कृपया ₹ 4,69,656.00 (रुपये चार लाख उनसत्तर हजार छः सौ छप्पन मात्र) प्रतिभूति जमा के रूप में यह पत्र के जारी करने की तारीख से 10 दिन के अंदर जमा कीजिए, अन्यथा यह राशि ठेका दस्तावेज के जीसीसी के पृष्ठ क्र.16 के Clause '1A' की शर्त के अनुसार काटी जाएगी।

Please deposit ₹ 4,69,656.00 (Rupees Four Lakh Sixty Nine Thousand Six Hundred Fifty Six Only) towards security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted as per condition of Clause '1A' on page no. 16 of GCC of the contract document.

4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम (नियमन तथा उन्मुलन) तथा 1971 के केन्द्रीय नियम अनुबंध श्रम नियम (नियमन तथा उन्मुलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों का अनुपालन 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 and Minimum Wages Act & Rules thereof Central and State Government.

5. आपको निर्देश दिया जाता है कि आप तुरंत प्रबंधक (अभि.-विद्युत), भाविप्रा, दे.अ.बा.हो. विमानतल, इन्दौर से मिलें वह आपको साईट सौपने की व्यवस्था करेंगे। कृपया नोट कर लें कि काम करने का अनुमानित समय 04 (चार) माह है जो कि इस पत्र के जारी करने के 10 दिन बाद से गिना जाएगा।

You are also directed to contact Manager (Engg-E), AAI, DABH Airport Indore immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is 04 (Four) Months which shall be reckoned from the 10th day after issue of this Letter.

Continued on page No.03

देवी अहिल्याबाई होलकर विमानतल इन्दौर दूरभाष - 0731-2626609
DEVI AHILYA BAI HOLKAR AIRPORT INDORE PHONE 0731-2626609



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(ISO 9001:2015, ISO 14001: 2015 & ISO 45001: 2018 Certified Airport)

-03-

6. इस ठेके के संबंध में आगे कोई भी पत्राचार सहायक महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., दे.अ.बा. हो. विमानतल, इन्दौर म.प्र.-452005 के पते पर किया जाए।
Any further correspondence in connection with this contract should normally be addressed to Assistant General Manager (Engg. -E)-I, AAI, D.A.B.H. Airport, Indore, M.P.- 452005.
7. उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे।
All letters referred above shall form part of contract.
8. ठेका दस्तावेज की शर्तों के अनुसार त्रुटि दायित्व अवधि 12 (बारह) माह होगी।
The Defects Liability Period will be 12 (Twelve) Months as per terms of Contract.
9. कृपया पावती भेजें एवं आपकी स्वीकृति के प्रतीक के रूप में इस कार्य आदेश की डुप्लीकेट प्रति पर हस्ताक्षर कर अधोहस्ताक्षरी को पुनः भेजने का कष्ट 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.
10. यदि अंग्रजी और हिंदी पाठ में कोई अंतर पाया जाता है तो अंग्रजी विवरण सही माना जायेगा।
If there is any discrepancy between English and Hindi, then meaning derived in English will be given precedence.

धन्यवाद / Thanking You,

संलग्न / Enclosure: 1) Schedule 'A' - 06 Page.

भवदीय / Yours Faithfully,

[Signature]
06/02/2015

सहायक महाप्रबंधक (अभि.विद्युत)

Assistant General Manager (Engg-Elect)

भा.वि.प्रा. इन्दौर विमानतल, इन्दौर

AAI, DABH AIRPORT, INDORE

कृते तथा ओर से, अध्यक्ष

For and on behalf of Chairman

भारतीय विमानपत्तन प्राधिकरण

Airports Authority of India

[Signature]
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देवी अहिल्याबाई होलकर विमानतल इन्दौर दूरभाष - 0731-2626609

DEVI AHILYA BAI HOLKAR AIRPORT INDORE PHONE 0731-2626609



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DEVI AHILYA BAI HOLKAR AIRPORT, INDORE-452 005

(ISO 9001:2015, ISO 14001: 2015 & ISO 45001: 2018 Certified Airport)

NOO :

बाह्य वितरण / External Distri

1. महाप्रबंधक (अभियांत्रिकी), भाविप्रा, एकीकृत प्रचालन कार्यालय भवन, न्यू एयरपोर्ट कॉलोनी, पारसीवाड़ा के सामने, सहार रोड, विले पार्ले (पूर्व), मुम्बई-400099
General Manager (Engg.), AAI, Integrated Operational Office Bldg., New Airport Colony, Opp. Parsiwada, Sahar Road, Andheri (East), Mumbai - 400099

dmr
06/02/2015
सहायक महाप्रबंधक (अभि.विद्युत).
Asstt. General Manager (Engg-Elect)
भा.वि.प्रा. इन्दौर विमानतल, इन्दौर
AAI, D.A.B.H. AIRPORT, INDORE

देवी अहिल्याबाई होलकर विमानतल इन्दौर दूरभाष -- 0731-2626609
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आंतरिक वितरण / Internal Distribution :

1. विमानपत्तन निदेशक भा.वि.प्रा., दे.अ.बा.होलकर विमानतल, इन्दौर।
Airport Director, AAI, D.A.B.H. Airport, Indore.
2. उप महाप्रबंधक (अभि.-सिविल), भा.वि.प्रा., दे.अ.बा.होलकर विमानतल, इन्दौर।
Dept. General Manger (Engg.-Civil), AAI, D.A.B.H. Airport, Indore.
3. उप महाप्रबंधक (अभि.-वि.), भा.वि.प्रा., दे.अ.बा.होलकर विमानतल, इन्दौर।
Dept. General Manger (Engg.-Elect.), AAI, D.A.B.H. Airport, Indore.
4. प्रभारी (वित्त), भा.वि.प्रा., दे.अ.बा.होलकर विमानतल, इन्दौर।
In-charge (Finance), AAI, D.A.B.H. Airport, Indore.
5. प्रबंधक (अभि-विद्युत), भा.वि.प्रा., दे.अ.बा.होलकर विमानतल, इन्दौर।
Manager. (Engg. Elect.), AAI, D.A.B.H. Airport, Indore.
6. कनिष्ठ कार्यपालक, (अभि-विद्युत) भा.वि.प्रा., दे.अ.बा.होलकर विमानतल, इन्दौर।
JE (Engg. Elect.), AAI, D.A.B.H. Airport, Indore.
7. कार्य फाईल/ Work file
8. अनुबंध/Agreement

Amphib
06/04/2015

सहायक महाप्रबंधक (अभि.विद्युत),
Asstt. General Manager (Engg-Elect)
भा.वि.प्रा. इन्दौर विमानतल, इन्दौर
AAI, D.A.B.H. AIRPORT, INDORE

✓

SCHEDULE OF QUANTITY

NAME OF WORK : Provision of Perimeter Lighting and Electrical Panel work, Including Cabling, replacement of high mast flood lights at DABH Airport Indore.

S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
	SH:1 Supply of Cable, Pole, LED Fittings etc				
1	Supply of 4C x 16 sqmm, XLPE insulated & PVC sheathed armoured aluminium conductor under ground cable of 1.1KV grade conforming to I.S : 7098 (Part-I) with upto date ammendments as per approved list of AAI.	Mtr	4300	175.00	7,52,500.00
2	Supply of 4C x 25 sqmm, XLPE insulated & PVC sheathed armoured aluminium conductor under ground cable of 1.1KV grade conforming to I.S : 7098 (Part-I) with upto date ammendments as per approved list of AAI.	Mtr	1100	225.00	2,47,500.00
3	Supply of 3.5C x 50 sqmm, XLPE insulated & PVC sheathed armoured aluminium conductor under ground cable of 1.1KV grade conforming to I.S : 7098 (Part-I) with upto date ammendments as per approved list of AAI.	Mtr	500	350.00	1,75,000.00
4	Supply of 3.5C x 95 sqmm, XLPE insulated & PVC sheathed armoured aluminium conductor under ground cable of 1.1KV grade conforming to I.S : 7098 (Part-I) with upto date ammendments as per approved list of AAI.	Mtr	500	550.00	2,75,000.00
5	Supply of 80mm dia 'B' class GI Pole of 1.8 Mtr (Vertical Height Excluding Arm) with suitable provision of fixing of arm including, 15mm dia hole at suitable height for power supply wires, 300X300X3mm thick MS Sheet welded in bottom side of pole complete as required as per site requirement.	Nos	53	2500.00	1,32,500.00
6	Supply of cross arm of suitable shape/ L shape of 50mm dia GI pipe not less than 0.5 mtr with required angle, including sockets, reducers, pipe threading/ welding, etc. complete as required as per site requirement for fitting at the upper part of the 80mm dia GI pole of 1.8Mtr height.	Nos	53	1000.00	53,000.00
7	Supply of high efficiency and low power consumption LED luminaire giving minimum 110 lumens / watt and power of 35/ 36 Watt with power coated pressure die-cast aluminium housing with toughened glass / polycarbonate cover and manufacturer name to be embossed on the luminaire having minimum IP 65 protection, weatherproof gasket and control gear compartments, integral electronic driver with THD < 10%, PF equal to .95 or more, luminaire shall have a life class of not less than 50,000 burning hours @L70, CRI minimum 70 suitable for mounting on existing bracket arm of 50 mm outer dia. compatible for luminaire.	Nos	155	2100.00	3,25,500.00
8	Supply of high efficiency and low power consumption LED Flood light luminaire of 250 Watt suitable to operate 230V,50HZ. Single phase AC supply with power coated pressure die-cast aluminium housing with toughened glass / polycarbonate cover having minimum IP 65 protection, weather proof gasket and control gear, giving minimum 110 lumens / watt and electronic driver with THD < 10%, PF equal to .95 or more, compatible as required.	Nos	120	7500.00	9,00,000.00
9	Supplying of 50 mm dia (OD-50 mm & ID-38 mm nominal) DWC HDPE pipe along with all accessories like socket, bend, couplers, seal rings etc. conforming to IS 16205, Part 24 complete etc., complete as required.	Mtr	4400	55.00	2,42,000.00
10	Supply of following sizes high density polyethylene (HDPE) PE 63, PN06 pipe conforming to IS 4984 with up to date amendment as required. 50mm Outer Dia.	Each	220	120.00	26,400.00
11	Supply of SMC box of size 225mm x 205 mm x 112 mm including providing and fixing 1 no. 10 amp SP MCB and 4 no., 25 sqmm terminal block connector, 6 sqmm Disconnected terminal block, 4 sqmm earth terminal block, 02 Nos Glands M25 & 01 No Glands M16 along with necessary connections etc as required.(Make hensel ; Cat no.HENKFPJB006) or equivalent preferred make.	No	57	1100.00	62,700.00

Signature
20/02/20

S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
12	Supply of 6 mtr. high hot dipped galvanised iron (HDGI) octagonal pole made of high tensile steel in single section, top dia of pole 70 mm, bottom dia of pole 130 mm, thickness of pole 3 mm, with Bakelite sheet with stud type connector & 6A SP MCB, 500 mm long weatherproof reinforced door opening, base plate size 200 mm X 200 mm X 12 mm thick as reqd as per the direction of Engineer-In-Charge.	Each	4	8000.00	32,000.00
	SH:2 Design SITC of Electrical Panels etc				
13	Design, manufacturing, supply, installation, testing and commissioning of cubical type totally enclosed free standing, dust free, damp and vermin proof and water proof double door outdoor (IP 54) LT panel fabricated out of 2 mm thick CRCA sheet duly powder coated and including supply and fixing of the following items and interconnections, wiring with suitable sizes wires/ cables and including mounting legs, all civil works like excavation, PCC, brick work pedestal, plastering, refilling etc. and as per specification as required. a) 01 No. 32 Amps, TPN MCCB (Ics=Icu=25 KA) with rotary operating mechanism b) 01 No 32 Amps TP Contactor, Coil Voltage of 220/230VAC c) 01 No Auto/manual selector switch d) 01 set RYB, ON LED Indication lamp e) 02 Nos 12A 3 Pole Contactor (Coil Voltage of 220/230VAC) with overload relay for motor g) 01 set UP/Down push button h) 02 Nos 32A TPN MCB i) 01 No 16A DP MCB j) 01 No. Digital Voltmeter suitable range for 3 phases, 4 wire operation with LED display and built-in selector switch. k) 01 No. Digital Ammeter of suitable range (to measure 0-32 A) for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with suitable range CTs.	Job	7	40000.00	2,80,000.00
14	Design, manufacturing, supply, installation, testing and commissioning of cubical type totally enclosed free standing, dust free, damp and vermin proof and water proof double door outdoor (IP 54) LT Panel fabricated out of 2mm thick CRCA sheet duly powder coated and including supply and fixing of the following items and interconnections, wiring with suitable sizes wires/ cables and including mounting legs, all civil works like excavation, cement concrete, brick work pedestal, plastering, refilling etc. and as per specification as required. INCOMER 1 Nos. 150A 4P MCCB (Ics=Icu=25 KA).with Silver Plated Copper Spreader Links Incomer shall have one set of the following items: Digital Voltmeter suitable range for 3 phases, 4 wire operation with LED display and built-in selector switch. 1 Set of Indication Lamps, LED type, R,Y,B and breaker 'ON', lamps. Digital Ammeter of suitable range (to measure 0-150A), for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with suitable range CTs. BUS BAR 1 Set of 200A TPN Busbars of aluminum alloy. OUTGOING 2 Nos. 100A FP MCCB (Ics=Icu=25 KA) with thermal magnetic release and Silver Plated Copper Spreader Links 5 Nos. 63A FP MCCB (Ics=Icu=25 KA) with thermal magnetic release and Silver Plated Copper Spreader Links 3 Nos. 40A FP MCCB (Ics=Icu=25 KA) with thermal magnetic release 2 Nos. 63A FP MCB (10 KA) with Silver Plated Copper Spreader Links 2 Nos. 40A FP MCB (10 KA). Sets (1 Set for each outgoing) LED type 'ON' Indication Lamps with protection MCBs.	Job	1	150000.00	1,50,000.00

24

S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
15	Design, manufacturing, supply, installation, testing and commissioning of cubical type totally enclosed free standing, dust free, damp and vermin proof and water proof double door outdoor (IP 54) LT Panel fabricated out of 2mm thick CRCA sheet duly powder coated and including supply and fixing of the following items and interconnections, wiring with suitable sizes wires/ cables and including mounting legs, all civil works like excavation, cement concrete, brick work pedestal, plastering, refilling etc. and as per specification as required. INCOMER 2 Nos. 150A 4P MCCB (Ics=Icu=25 KA) with Silver Plated Copper Spreader Links Each Incomer shall have interlocked arrangements mechanical & Electrical and one set of the following items: Digital Voltmeter suitable range for 3 phases, 4 wire operation with LED display and built-in selector switch. 1 Set of Indication Lamps, LED type, R, Y, B and breaker 'ON', lamps. Digital Ammeter of suitable range (to measure 0-150A), for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with suitable range CTs. BUS BAR 1 Set of 200A TPN Busbars of aluminum alloy. OUTGOING 2 Nos. 100A FP MCCB (Ics=Icu=25 KA) with thermal magnetic release and Silver Plated Copper Spreader Links 2 Nos. 40A TPN MCB (10 KA). Sets (1 Set for each outgoing MCCB) of LED type 'ON' Indication Lamps with protection MCBs. Sets of Rotary operating mechanism including terminal extension for all the	Job	1	75000.00	75,000.00
16	Design, manufacturing, supply, installation, testing and commissioning of cubical type totally enclosed free standing, dust free, damp and vermin proof and water proof double door outdoor (IP 54) LT Panel fabricated out of 2mm thick CRCA sheet duly powder coated and including supply and fixing of the following items and interconnections, wiring with suitable sizes wires/ cables and including mounting legs, all civil works like excavation, cement concrete, brick work pedestal, plastering, refilling etc. and as per specification as required. INCOMER 1 Nos. 63A 4P MCCB (Ics=Icu=25 KA) with Silver Plated Copper Spreader Links Incomer shall have one set of the following items: Digital Voltmeter suitable range for 3 phases, 4 wire operation with LED display and built-in selector switch. 1 Set of Indication Lamps, LED type, R, Y, B and breaker 'ON', lamps. Digital Ammeter of suitable range (to measure 0-150A), for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with suitable range CTs. BUS BAR 1 Set of 200A TPN Busbars of aluminum alloy. OUTGOING 6 Nos. 40A FP MCCB (Ics=Icu=25 KA) with thermal magnetic release. 2 Nos. 40A FP MCB (10 KA). Sets (1 Set for each outgoing) LED type 'ON' Indication Lamps with protection MCBs. Control wiring with 1.5 sqmm FRLSH copper wire, Control MCB, Heavy duty	Job	2	80000.00	1,60,000.00

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S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
17	Design, manufacturing, Supply, Installation, Testing & Commissioning of Indoor type cubical Control starter Panel with 2mm thick MS sheet, 3mm thick sheet steel of detachable gland plate, duly painted, IP42 protection, locking facility having Dry Run Protection. Single Phase Preventor, Overload Protection. Over Voltage protection. Timer(Auto), control wiring done by FRLS PVC insulated 1.5 Sq.mm copper conductor cable, suitable MS angle support with stand for grouting etc. complete to suitable for operation of submersible pump. The cubical panel shall consist of following switch gears and other accessories etc. complete as required. a) Incomers: - 1 Nos. 63A 4P MCCB (Ics=Icu=25 KA). Incomer shall have one set of the following items: Digital Voltmeter suitable range for 3 phases, 4 wire operation with LED display and built-in selector switch. 1 Set of Indication Lamps, LED type, R, Y, B and breaker 'ON', lamps. Digital Ammeter of suitable range (to measure 0-100A), for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with suitable range CTs. b) Outgoings. MPCB of 32 Amps, 4P, 415 V, breaking capacity 25 kA (Ics=50%Icu), Fixed Thermal release -03 Nos. Each Outgoing shall have one set of the following items: Power Contactor (20A, 3P, 3Ph, 415V, 50 Hz)-02 Nos. Power Contactor (16A, 3P, 3Ph, 415V, 50 Hz) -01 No. Thermal Overload Relay (6-10A)-1 No. LED Indicating light for indication & annunciation -7 Nos. Analogue ammeter, CL:1 (0-100A AC)-1 No. with built-in selector switch. Analogue voltmeter, CL:1 (0-500V AC)-1 No. with built-in selector switch. Terminal Block(20A)-1 No. Auxiliary Relay (230VAC)- 2 Nos. Phase Fail /Reversal/UV/OV protection-1 set Push Button switch- 2 Nos	Job	1	50000.00	50,000.00
18	Design, manufacturing, supply, installation, testing and commissioning of cubical type totally enclosed free standing, dust free, damp and vermin proof and water proof double door outdoor (IP 54) LT Panel fabricated out of 2mm thick CRCA sheet duly powder coated and including supply and fixing of the following items and interconnections, wiring with suitable sizes wires/ cables and including mounting legs, all civil works like excavation, cement concrete, brick work pedestal, plastering, refilling etc. and as per specification as required. INCOMER 1 Nos. 100A 4P MCCB (Ics=Icu=25 KA), with Silver Plated Copper Spreader Links Incomer shall have one set of the following items: Digital Voltmeter suitable range for 3 phases, 4 wire operation with LED display and built-in selector switch. 1 Set of Indication Lamps, LED type, R,Y,B and breaker 'ON', lamps. Digital Ammeter of suitable range (to measure 0-150A), for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with suitable range CTs. BUS BAR 1 Set of 150A TPN Busbars of aluminum alloy. OUTGOING 6 Nos. 63A FP MCCB (Ics=Icu=25 KA) with thermal magnetic release and Silver-Plated Copper Spreader Links 2 Nos. 40A FP MCB (10 KA). Sets (1 Set for each outgoing) LED type 'ON' Indication Lamps with protection MCBs.	Job	1	100000.00	1,00,000.00

20/11/2017

S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
19	Supply, installation, testing and commissioning of TPN Sheet Steel MCB Timelite Distribution board, 415 volts, including providing and fixing suitable size MS Channel for installation, complete with following accessories / specifications, as required (similar to IndoAsian Cat No. TL040AB0) :- (a) 40A, TPN, 10kA, C series MCB as Incomer 01 No. (b) Analogue Time Switch (0-24 Hour) - 01 No. (c) Contactor-40A, TP, AC 3 rating -01 No. (d) Outgoing - 6 to 32A, C series, 10kA, SP MCB - 03 Nos. (e) Din bar, interconnections, Locking arrangements, powder painted including earthing etc. (f) Selector Switch for selecting time mode (Auto / Manual / OFF) - 01 No. (g) Degree of Protection(Minimum) - IP 54	Job	1	25000.00	25,000.00
	SH : 3 ITC of Cables, poles, pipes, fittings etc				
20	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade cable of up to 35 Sqmm size in the existing RCC/HUME/METAL/DWC HDPE pipe as required.	Mtr	4300	20.00	86,000.00
21	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade cable of above 35 sq. mm and upto 95 sq. mm size in the existing masonry open duct as required.	Mtr	823	20.00	16,460.00
22	Laying of 50 mm dia DWC HDPE pipe with fitting and cutting, jointing etc, direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	Mtr	5100	50.00	2,55,000.00
23	Erection of the Matalic poles up to 3 Mtr. with Cement concrete 1:2:4 (Cement :2 fine sand : 4 graded stone aggregate 40mm nominal size)to the required depth of size 400 mmx400mmx500 mm as per special conditions(Cement :2coarse sand:4graded stone aggregate 20mm nominal size)and necessary base concrete of 1:5:10 for 100mm thickness below the pole (Cement :5 fine sand : 10graded stone aggregate 40mm nominal size) suitable finishing on surface above the ground level, including painting and numbering etc complete as required.e the ground level, including painting and numberingetc. as required.	Job	55	2000.00	1,10,000.00
24	Fixing of SMC box of size 225 mm x205 mmx 112 mm on existing tubular pole with suitable 2nos. clamps of 5mm thickness including nut, bolts, making two nos indoor end termination with gland including providing 08 nos aluminium lugs for 4 x 16sqmm of PVC insulated cable etc complete as required.	No	55	100.00	5,500.00
25	Installation, testing and commissioning of LED street light fitting on existing pole up to 2 Mtr with 3 x 1.5 sqmm PVC insulated copper conductor cable from cable looping box to fitting etc as required.	No	55	100.00	5,500.00
26	Installation, testing and commissioning of 250LED flood light fitting with 3 core x 1.5 sqmm PVC insulated copper conductor cable on existing high mast pole complete etc as required.	No	100	200.00	20,000.00
27	MEASUREMENT OF LUX LEVEL: Make arrangement for measurement of lux level during night at site after commissioning of high mast along with fittings after keeping the luminaries 12 hours in operation continuously. The values of lux level on a grid of 4 Mtr. x 4 Mtr. shall be noted for the entire Apron area and the fittings position shall be altered/modified for its angle so as to achieve the desired lux level as per the requirement of AAI. On completion of work the firm shall submit all the details along with calculations sheets and data sheets (computerized) showing average, minimum, maximum lux level values for all the High mast at different locations of Apron.	Job	1	25000.00	25,000.00

S.No	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
	SH- 4: Earthing Work				
28	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.	Each	13	3000.00	39,000.00
29	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	80	150.00	12,000.00
30	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/recessed conduit/ submain wiring/ cable as required.	Mtr	2900	20.00	58,000.00
Grand Total					46,96,560.00

(Rupees Fourty Six Lakh Ninety Six Thousand Five Hundred Sixty Only)

12
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06/02/2015
Asstt. General Manager (E-E)
AAI, DABH Airport, Indore