



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

भाविप्रा/खजुराहो/अभि0-विद्युत/कार्य आदेश सं.- 53 /2025-26/2298

दिनांक : 27.05.2025

By Speed Post/E-mail
sandeptiwari035@gmail.com

सेवा में,

To,

मेसर्स सदीप कुमार तिवारी,
जनता कालेज के पास,
पी. ओ. इंजीनियरिंग कालेज,
अनंतपुर, रीवा-486001

M/s Sandeep Kumar Tiwari,
Near Janta College,
P.O. Engineering College
Anantpur, Rewa -486001,

कार्य का नाम- खजुराहो हवाई अड्डे पर नए डी.वी.ओ.आर. भवन का निर्माण।
उप-शीर्ष: विद्युत कार्य।

Name of work: Construction of New DVOR Building at Khajuraho Airport.

Sub Head:- Electrical Works.

संदर्भ - 1. आपकी निविदा Tender ID: 2025_AAI_233005_1.
2. आपका वित्तीय बिड दिनांक को 21.05.2025 को खोली गयी।

Ref. 1. Your Tender ID.: 2025_AAI_233005_1.
2. Financial Bid opened on dtd. 21.05.2025

महोदय/ Sir

- उपरोक्त उल्लेखित कार्य के लिए आपका ई-बिड टेन्डर आपके द्वारा बताए गये मद मूल्यों पर कुल राशि रुपये **57,77,850.00** (रुपये सत्तावन लाख सतहत्तर हजार आठ सौ पचास मात्र) जी.एस.टी. रहित जो कि न्यायोचित लागत रुपये **72,45,056.00** (रुपये बहत्तर लाख पैतालीस हजार छप्पन मात्र) जी.एस.टी. रहित से **20.25%** (बीस दशमलव दो पॉच प्रतिशत) नीचे है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your e-bid tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates totalling to **Rs. 57,77,850.00 (Rupees Fifty Seven Lakhs Seventy Seven Thousand Eight Hundred Fifty Only)** (Excl. GST) which is **20.25% (Twenty point Two Five percent)** Below the Justified cost of **Rs. 72,45,056.00 (Rupees Seventy Two Lakhs Forty Five Thousand Fifty Six Only)** (Excl. GST).

- प्रबन्धक (अभियांत्रिकी-विद्युत), भा.वि.प्रा., खजुराहो हवाई अड्डा, खजुराहो-471606 इस कार्य के कार्य-प्रभारी अभियन्ता होंगे। आपसे निवेदन है आप करारनामे पर हस्ताक्षर करने के लिए दिनांक **11 जून 2025** तक प्रबन्धक (अभियांत्रिकी-विद्युत), भा.वि.प्रा., खजुराहो हवाई अड्डा, खजुराहो-471606 के कार्यालय में उपस्थित हो तथा करारनामे को पूरा करें। ठेके का कारारनामा **रुपए 100** के नोन ज्यूडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा जिसका खर्चा आपके द्वारा उठाया जाएगा।

Manager (Engg.-Elect), AAI, Khajuraho Airport, Khajuraho-471606 shall be the Engineer-in-charge of the work. You are requested to attend the office of Manager (Engg.-Elect), AAI, Khajuraho Airport Khajuraho-471606 by **11.06.2025** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 100.00 (Rupees Hundred Only)** and the cost of stamp paper shall be borne by you.

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3. निविदा के साथ प्राप्त पेशगी राशि रु. 2,17,352.00 (दो लाख सत्रह हजार तीन सौ बावन मात्र) सीपीपी पोर्टल के माध्यम से वापस कर दिए जाएंगे इसलिए कृपया उपरोक्त ईएमडी राशि रु. 2,17,352.00 (दो लाख सत्रह हजार तीन सौ बावन मात्र) एएआई बैंक खाता संख्या **31926390725 and IFSC – SBIN0002863 (SBI)** में तुरंत जमा करें और इसे अनुबंध दस्तावेज के अनुसार धरोहर राशि के एक हिस्से के रूप में माना और परिवर्तित किया जाएगा। कृपया शेष धरोहर राशि जमा करें, इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर रु. 3,60,433.00 (तीन लाख साठ हजार चार सौ तैंतीस मात्र) जमा करें ऐसा न करने पर अनुबंध दस्तावेज के शर्तों के अनुसार चालू बिलों से कटौती की जाएगी

The earnest money amount to **Rs. 2,17,352.00 (Rupees Two Lakhs Seventeen Thousand Three Hundred Fifty Two only)** received along with your tender will be refunded through CPP portal, hence kindly immediately deposit the above EMD amount of Rs. 2,17,352.00 (**Rupees Two Lakhs Seventeen Thousand Three Hundred Fifty Two only**) to AAI, Khajuraho Bank Account no. 31926390725 and IFSC – SBIN0002863 (SBI) and it will be treated and converted as a part of security deposit as per the contract document. Please deposit balance security deposit **Rs. 3,60,433.00 (Rupees Three Lakhs Sixty Thousand Four Hundred Thirty Three Only)** within 10 days from the date of issue of this letter, failing which the same will be deducted from running bills.

4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम के प्रावधान और अनुबंध श्रम (विनियमन और उन्मूलन) के केन्द्रीय नियम 1971, बालश्रम (निषेध और उन्मूलन) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकार अधिनियम 1996 आदि जैसा कि निविदा दस्तावेज और केन्द्रीय एवं राज्य सरकार के नियमों में निर्दिष्ट प्रावधानों 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, Child labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment & Condition of service) Act 1996, Building and other construction workers Welfare Cess Act 1996 as specified in the tender document and rules of Central and State Government.

5. आपको निर्देशित किया जाता है कि आप तुरन्त प्रबन्धक (अभि0-विद्युत), खजुराहो विमानक्षेत्र, खजुराहो से मिलें, वह आप को साइट सौंपने की व्यवस्था करेंगे। कृपया नोट कर लें कि काम करने का निर्धारित समय **04 (चार) महीने** है जिसकी गणना इस कार्यआदेश के जारी दिनांक के दस दिन बाद से प्रभावी मानी जायेगी।

You are directed to contact **Manager (Engg-Elect), Khajuraho Airport, Khajuraho**, immediately who will arrange hand over the site to you. Please note that the time allowed for carrying out the work is **04 (Four) Months** and the same shall be reckoned from 10 days of issuing of this work order.

6. ठेके के त्रुटि दायित्व अवधि 12 महीने है जो कि कार्य समाप्ति की वास्तविक तिथि जो कि माप पुस्तिका में दर्ज है से गिना जाएगा।

The defect liability period shall be of **Twelve (12) months** from actual completion date as recorded in measurement book.

7. इस अनुबंध के संबंध में कोई और पत्राचार सामान्य रूप प्रबन्धक (अभि0-विद्युत), भा.वि.प्रा., खजुराहो हवाई अड्डा, खजुराहो -471606 को सम्बोधित किया जायें।

Any further correspondence in connection with this contract should normally be addressed to Manager (Engg-Elect), AAI, Khajuraho Airport, Khajuraho-471606.

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8- कृपया पावती भेजें और इस पत्र की डुप्लिकेट कॉपी हस्ताक्षर करने के बाद स्वीकृति के टोकन के रूप में अधोहस्ताक्षरी को लौटाएं।

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

9- उपरोक्त संबंधित सभी पत्र इस ठेके के भाग होंगे।

All the letters referred above shall form part of the contract.

नोट : हिन्दी अथवा अंग्रेजी संस्करण में अंतर पाये जाने पर अंग्रेजी संस्करण मान्य होगा।

Note: If there any discrepancy is observed in Hindi and English version, the English version will be considered.

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27.05.25

प्रबंधक (अभि.-विद्युत) / Manager (Engg.-E)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
खजुराहो हवाई अड्डा, खजुराहो / Khajuraho Airport, Khajuraho
कृते तथा ओर से अध्यक्ष / For and on behalf of the Chairman

संलग्नक / Enclosures

मात्रा की अनुसूची / Schedule of Quantities. (Pg. 1 to 6)

SCHEDULE OF QUANTITY

Name of Work: Construction of New DVOR Building at Khajuraho Airport. SH : Electrical Works.

Tender ID : 2025_AAI_233005_1

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Excl. GST)	Amount (Excl. GST)
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
(i)	3 x 1.5 sq. mm	45.00	Mtrs.	60.00	2,700.00
(ii)	6 x 1.5 sq. mm	20.00	Mtrs.	120.00	2,400.00
(iii)	3 x 2.5 sq. mm	20.00	Mtrs.	100.00	2,000.00
(iv)	6 x 2.5 sq. mm	90.00	Mtrs.	200.00	18,000.00
(v)	3 x 4 sq. mm	30.00	Mtrs.	140.00	4,200.00
(vi)	6 x 4 sq. mm	325.00	Mtrs.	350.00	1,13,750.00
(vii)	1 x 6 sq. mm	25.00	Mtrs.	90.00	2,250.00
(vii)	2 x 10 sq. mm	10.00	Mtrs.	300.00	3,000.00
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
(i)	5/6 amps switch	23.00	Each	60.00	1,380.00
(ii)	15/16 amp switch	49.00	Each	100.00	4,900.00
(iii)	3 pin 5/6 amp socket outlet	7.00	Each	100.00	700.00
(iv)	6 pin 15/16 amp socket outlet	49.00	Each	150.00	7,350.00
3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	7.00	Point	1,500.00	10,500.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 x 2.5 Sq.mm + 1 x 2.5 Sq.mm Earth Wire	20.00	Mtrs.	320.00	6,400.00
5	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	20.00	Mtrs.	300.00	6,000.00
6	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	3.00	Each	210.00	630.00
7	Supply, Installation, Testing and Commissioning 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 (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min, 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.	3.00	Each	2,000.00	6,000.00
8	Supply of single phase, 300mm dia. 900 RPM sweep Heavy Exhaust fan having thermal overload protection, with Louver and shutter/safety Guard from foreign objects, etc. complete as required suitable for use on 230 volts, 50 Hz, single phase, A.C. supply.	2.00	Each	1,800.00	3,600.00
9	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. (i) Upto 450mm	2.00	Each	120.00	240.00
10	Supply of 36W 2X2 LED indoor Light Luminaire with control gear/driver, made of CRCA steel sheet housing, suitable for operation in 140-270 V, 50 HZ AC etc. for installation in false ceiling including all accessories complete as required as per technical specification.	19.00	Each	3,800.00	72,200.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Excl. GST)	Amount (Excl. GST)
11	Supply of minimum 45W LED type Street Light Luminaire with control gear, made of pressure die cast aluminium housing with heat resistant toughened flat glass/polycarbonate cover and minimum IP 65 protection, suitable for operation in 140-270 V, 50 HZ AC etc. complete as required.	6.00	Each	2,500.00	15,000.00
12	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting complete with all accessories including connections etc. as required.	19.00	Each	70.00	1,330.00
13	Supply, Installation, Testing & commissioning of LED street light fitting on pole / wall including supply and bending of the suitable size GI pipe to the required shape, iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint including connection with 1.5 Sq.mm PVC insulated copper conductor single core cable etc. complete as required.	6.00	Each	450.00	2,700.00
14	Supply and fixing of LED type Aviation obstruction light fixture using suitable size GI pipe, clamps etc. for 230 Volt, 50 Hz AC supply complete as required. Make: Bajaj (BGAV 302 LED) or equivalent.	2.00	Each	4,000.00	8,000.00
15	Supply and installation of portable emergency Twin beam LED light With Auto-Charge Technology having Emergency time backup of not less than 3 Hours suitable for 230 V, 50 Hz Single phase supply complete as required make from preferred make list.	3.00	Each	4,000.00	12,000.00
16	Supplying and fixing of nominal 2.00mm +/- 10% thick, 1000mm wide anti-skid Antistatic Electric Insulation mats confirming to IS 15652:2006 with up to date amendments and CPRI/ERDA tested suitable for 3.3 kV installation along with adhesive sealing material and similar type of taping on sealing at joints and corners as per recommendations etc. as required.	50.00	Sqm	400.00	20,000.00
17	Supply, Installation, Testing & commissioning of 2 nos. of 5KVA capacity modular N+1 type (1:1 i.e. 02 units of 5kVA UPS operating parallel) online UPS (microprocessor based) having single phase AC input of voltage range 160 volt to 260 volt at 50Hz+/- 3Hz and single phase AC output of voltage range 230 +/- 1% at 50Hz, power efficiency more than 90% having input output bypass static switch including battery bank composed of advance glass mat valve regulated sealed lead acid battery construction in ABC flame retardant grade spill containment casing with battery backup (separate battery bank for each UPS i.e. double battery bank) of 30 minutes complete as required as per technical specification.	1.00	Job	2,15,000.00	2,15,000.00
18	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.	5.00	Each	4,000.00	20,000.00
19	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	50.00	Mtrs.	500.00	25,000.00
20	Providing and fixing of copper lightning conductor finial made of 25 mm dia 1500 mm. Long and G.I. tube/pipe of size 50 mm dia, 30 ft long, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. for connecting GI/Copper strip etc. with necessary civil work for foundation including excavation and refilling of soil etc. complete as required.	4.00	Each	4,000.00	16,000.00
21	Jointing copper / G.I. tape (with another copper/ GI tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc. as required.	12.00	Each	60.00	720.00
22	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	40.00	Mtrs.	900.00	36,000.00
23	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	15.00	Mtrs.	150.00	2,250.00
24	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc.as required	40.00	Mtrs.	700.00	28,000.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Excl. GST)	Amount (Excl. GST)
25	Supply, installation, testing and commissioning of three phase modular type Surge Protection Device (Type-2) having 100KA, 10/350 micro seconds neutral to earth, 50 KA 10/350 micro second line to neutral with protection voltage less than 1.5 KV, wall mounting enclosure IP 42 or higher confirming to IS:61643/62305/UL 1449-3 up to latest amendments, 4 modes of protection, suitable for the mains power entry point at the incomers before UPS etc. complete as required as per technical specification.	2.00	Job	65,000.00	1,30,000.00
26	Supply, installation, testing and commissioning of single phase modular type multi stage surge protection device (Type-3) MOV having 40KA, 8/20 micro seconds with wall mounting enclosure IP 42 or higher confirming to IS:61643/62305/1449-3 up to latest amendments, 3 modes of protection, suitable for suitable for output side of single phase UPS etc. complete as required as per technical specification.	1.00	Job	74,000.00	74,000.00
27	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5 % V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger including web server PCB/CPU for IP connectivity and SITC of graphical Building Management System/fire alarm management system i/c software and License fee of software for remote monitoring of fire alarm system through existing monitor/desktop PC from equipment room shall be complete with all accessories. The panel shall be compatible for IBMS system with open protocol Bacnet/ Modbus over IP complete as per specifications. (i) Two Loop Panel	1.00	Job	3,00,000.00	3,00,000.00
28	Supply, installation, testing & commissioning of addressable multi criteria detector having built in mounting base and other accessories complete with all connections etc. as required.	16.00	Each	1,600.00	25,600.00
29	Supply, installation, testing & commissioning of addressable hooter cum strobe unit complete with all connections and accessories as required.	2.00	Each	2,500.00	5,000.00
30	Supply, installation, testing & commissioning of addressable manual call point complete with all connections and accessories as required.	1.00	Each	3,800.00	3,800.00
31	Supply & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	70.00	Mtrs.	200.00	14,000.00
32	Supply, installation, testing & commissioning of GSM Based Auto dialer system in existing Fire Alarm Panel comprising of LCD display, able to store minimum 10 phone numbers for each voice and SMS, 20 second recording time for each recorded message, Alarm SMS with alarm type, time and date information, equipped with Nonvolatile memory, input voltage 12V to 24V DC, Operating Temperature 0 deg. to 45 deg. including all accessories complete as required.	1.00	Each	9,000.00	9,000.00
33	Supply, installation, testing and commissioning of 4.5 kg carbon dioxide (CO2) type fire extinguishers confirming to IS 2878 : 1976 and cylinders fully charged of following capacity including providing suitable M.S. Stand complete as required.	6.00	Each	6,800.00	40,800.00
34	Design, manufacturing, supply, installation, testing and commissioning of Environmental friendly aerosol based fire suppression system comprising an electrically operated aerosol generator and actuator/signal generator with shelf life of 10 to 15 years having aerosol mass / concentration based on UL / EN / NFPA/ ISO (latest) approved / Certified design concentration applicable for Class A, B & C of Fire with Volumetric Design Consideration. The generator shall be electrically actuated by the actuator/signal generator and it shall be connected/integrated with the existing addressable Fire Alarm Panel. The quantity of Aerosol generators shall be decided according to volume / dimension of existing room above flooring having following room Volume. The system shall be supplied with necessary accessories complete as required.				
(i)	Equipment Room Volume : 80 Cubic Mtrs. Approx.	1.00	Job	2,10,000.00	2,10,000.00
(ii)	UPS Room Volume : 20 Cubic Mtrs. Approx.	1.00	Job	1,24,000.00	1,24,000.00
(iii)	Electrical Main Panel Room Volume : 20 Cubic Mtrs. Approx.	1.00	Job	1,24,000.00	1,24,000.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Excl. GST)	Amount (Excl. GST)
35	Supply, Installation, Testing & commissioning of indoor and outdoor Highwall 1.5 TR split Inverter Air conditioner units (BEE 5 star rating) having Eco friendly refrigerant evaporator and condensing unit made of copper tubes, Aluminium fins which includes mounting of indoor & outdoor unit including providing suitable size of MS angle type stand at their respective location along with laying of suitable size of refrigerant, UPVC drain pipeline with insulation & flexible PVC covering pipe up to 4 mtr. connecting both the units, leak testing of entire system, connecting both indoor and outdoor units with 4 core 2.5 sqmm PVC insulated flexible copper cable supplied with the unit, top up of refrigerant (if required), minor civil repairing work as per site requirement complete as required.	7.00	Job	42,000.00	2,94,000.00
36	Supply, Installation, Testing & commissioning of voltage stabilizers suitable for 1.5 ton Inverter AC with copper wound coil having input voltage range of 170 to 270 V AC voltage single phase, 50 Hz AC supply and output voltage 220 V to 240 V i/c necessary fixing arrangements, clamps, screws, metal clad top, connecting 3 core cable of standard length, complete etc. as required.	7.00	Each	2,800.00	19,600.00
37	Supply, Installation, Testing & commissioning of Electronic digital smart controller with Timer with 4 hr / 8 hr duration Changeover and timer Switch with current limiter suitable for 1.5 ton Inverter Air conditioner units for suitable for single phase AC power supply 240 V, 50 Hz. etc. complete as required.	2.00	Each	3,500.00	7,000.00
38	Supply and Installation of required size copper pipe for suction and delivery line and Power and control cabling with all accessories (beyond the standard length provided by OEM) suitable for Highwall 1.5 TR split Inverter Air conditioner ACs i/c Insulation, gas refilling etc. including minor civil works completed as required.	12.00	Mtrs.	200.00	2,400.00
39	Supplying & laying of condensate water drain pipe made of PVC having size of 20 mm dia, for additional requirement for AC units i/c necessary clamps, screws, supports, etc. completed as required.	12.00	Mtrs.	150.00	1,800.00
40	Supply of 4 x 16 sq. mm size of XLPE insulated and PVC sheathed XLPE Copper conductor armoured cable of 1.1KV grade conforming to IS 7098 (Part-I) with up to date amendments as required.	25.00	Mtrs.	1,500.00	37,500.00
41	Supply of 3.5 x 185 Sq.mm size of XLPE insulated and PVC sheathed XLPE aluminium conductor armoured cable of 1.1KV grade conforming to IS 7098 (Part-I) with up to date amendments as required.	2520.00	Mtrs.	1,000.00	25,20,000.00
42	Supplying and making end termination with brass compression gland and aluminium lugs for 3.5 X 185 sq. mm size of PVC insulated and PVC sheathed/ XLPE aluminium conductor cable of 1.1 KV grade as required.	4.00	Each	2,500.00	10,000.00
43	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for 3.5 X 185 sq. mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	5.00	Each	2,500.00	12,500.00
44	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete 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. 120 mm dia (OD-120 mm & ID-103 mm nominal)	2300.00	Mtrs.	250.00	5,75,000.00
45	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 pipe as required.				
(i)	upto 35 sq. mm	25.00	Mtrs.	30.00	750.00
(ii)	Above 95 sq. mm and upto 185 sq. mm	2400.00	Mtrs.	60.00	1,44,000.00
46	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.	2520.00	Mtrs.	35.00	88,200.00
47	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10 cm including inscription duly engraved as required	101.00	Nos.	300.00	30,300.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Excl. GST)	Amount (Excl. GST)
48	Supplying and fixing of 16 way, Double door, 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)	1.00	Job	4,000.00	4,000.00
49	Supplying and fixing following 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.				
(i)	Single Pole (5 amps to 32 amps)	16.00	Each	200.00	3,200.00
(ii)	Double Pole (63 amps)	1.00	Each	1,200.00	1,200.00
50	Supply, Installation, Testing & commissioning of LT Distribution Panel suitable for single phase, 220 Volt, 50Hz, AC supply made out of 14 SWG CRCA sheet, totally enclosed, dust & vermin proof, IP 42 protection, Indoor type Single door Floor/Wall Mounted panel suitable for installation on angel iron frame/ flat iron frame work, fabricated from 2 mm thick CRCA sheet steel for load bearing and 1.6 mm thick CRCA sheet steel for non-load bearing duly Epoxy powder coated (by minimum seven tank process) in approved color, with aluminium bus bars, interconnections with FRLSH copper conductor wires, Terminals for incoming & outgoing cable connections, earth bus, locking arrangement, cable alley, hardware, danger notice board suitable for indoor applications etc. complete as per site requirement. INCOMER (i) 64A DP 10kA MCB C-Curve-01 No. (ii) Red LED type indicating Lamp with suitable rating 2 Amp SP MCB:- 1 No. (iii) 32A 10kA TPN-01 No. OUTGOING (i) 20A DP MCB C-Curve-09 Nos. (ii) 10A DP MCB C-Curve-07 Nos.	1.00	Job	46,000.00	46,000.00
51	Supply, Installation, Testing & commissioning of LT Panel suitable for 3 phase, 4 wire, 415 Volt, 50Hz, AC supply, made out of 14 SWG CRCA sheet, totally enclosed, dust & vermin proof, IP 42 protection, Indoor type Single door Floor Mounted panel suitable for installation on angel iron frame/ flat iron frame work, fabricated from 2 mm thick CRCA sheet steel for load bearing and 1.6 mm thick CRCA sheet steel for non-load bearing duly Epoxy powder coated (by minimum seven tank process) in approved color, with aluminium bus bars & Bus bar chamber, interconnections/ control wiring with FRLSH copper conductor wires, Terminals for incoming & outgoing cable connections, earth bus, locking arrangement, cable alley removable 3mm gland plate, hardware, danger notice board suitable for indoor applications etc. complete as per site requirement. INCOMER-1 & INCOMER-2 : (i) 2 Nos. of 150 Amps, 415V, 25kA, 4 Pole MCCB with Thermal magnetic Based releases having O/C, S/C & E/F with spreader links and extended Rotary Handle suitable termination of 3.5Cx185 sqmm aluminium armoured cable (ii) LED type indicating Lamp with suitable rating 2 Amp SP MCB:- 2 Set (each set comprise of Red, yellow and Green) Auto Transfer Switch (i) 415 V, 100 Amps, 4 pole Automatic transfer switch- 01 No. (ii) HRC Fuse 160A 80kA with base (iii) LED type indicating Lamp with suitable rating 2 Amp SP MCB:- 1 Set (each set comprise of Red, yellow and Green) Main Incomer i) 1 No of 100Amps, 415V, 18kA, 4 Pole MCCB with Thermal magnetic Based releases having O/C, S/C & E/F with spreader links and extended Rotary Handle				

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (Excl. GST)	Amount (Excl. GST)
	(ii) LED type indicating Lamp with suitable rating 2 Amp SP MCB:- 1Set (each set comprise of Red, yellow and Green) (iii) 32A 10kA TPN-01 No. (iv) Digital type 3 phase Multi-function Meter with suitable rating of MCB & 3 Nos. of single core epoxy resin cast type CTs of 100/5 Amps, 10 VA, CL 1.0 ratings -1 Set." Busbar (i) 150 Amps, 415V, TPN, 16kA for 1 sec. Aluminium Bus bars with Heat shrinkable colour coded insulation sleeves. Outgoing/Sub incomer (i) 32A DP RCBO 100mA - 03 Nos. Outgoing (i) 20A DP MCB C-Curve-17 Nos. (ii) 10A DP MCB C-Curve- 2 No. Outgoing (i) 64A, 4 pole, 18kA, MCCB with extended Rotary Handle and Thermal magnetic Based releases -02 Nos. (ii) 32A DP RCBO 100mA- 01 Nos (iii) 40A TPN MCB C-Curve- 01 No. (iv) 20A DP MCB C-Curve- 01 No. (v) 32A 10kA TPN- 01 No. (iv) 20A DP MCB C-Curve- 01 No.	1.00	Job	250000.00	2,50,000.00
				Total Rs. (Excl. GST)	57,77,850.00
				Say Rs. (Excl. GST)	57,77,850.00

Rupees Fifty Seven Lakhs Seventy Seven Thousand Eight Hundred Fifty Only (Excl. GST)

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27.05.25

प्रबंधक (अभि- विद्युत)/ Manager (Engg-E)
भारतीय विमानपत्तन प्राधिकरण /Airports Authority of India
खजुराहो हवाई अड्डा, खजुराहो-471606/ Khajuraho Airport, Khajuraho-471606