

भाविप्रा/कोल्हापुर/अभि.-विद्युत/व.प्र./सी.डब्ल्यू.-02/2025-26/
AAI/Kolhapur/Engg.-Elect/SM/CW-02/2025-26/

दिनांक: 14/10/2025
Date: 14/10/2025

सेवा मे,
मेसर्स. दोशी इलेक्ट्रिक इंजीनियरिंग कंपनी,
पुरानी जेल रोड,
Opp. आर.एम.सी. बाल मंदिर,
राजकोट - 360 001.

To,
M/s. Doshi Electric Engineering Co.
Old jail Road,
Opp. R.M.C. Bal Mandir,
Rajkot - 360 001.

कार्य का नाम : कोल्हापुर हवाई अड्डे पर लोकलाइज़र (एलएलज़ेड) और जीपी (ग्लाइड पाथ) का निर्माण उपशीर्षः
विद्युत कार्य।

Name of Work: Construction of Localizer (LLZ) and GP (Glide Path) at Kolhapur Airport
SH: Electrical works.

संदर्भ:- दिनांक 25/07/2025 को खोला गया आपका ई-टेंडर (ID: 2025_AAI_238848_1) (वित्तीय लिफाफा)।
Ref: - Your e-tender (ID: 2025_AAI_238848_1) (Financial bid) opened on 25/07/2025.

महोदय/Sir,

1. ऊपर उल्लेखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गए मद मूल्यों पर आपकी टेंडर राशि जीएसटी रहित कुल रु. 1,33,58,132.00 (रुपये एक करोड़ तैंतीस लाख अट्ठावन हजार एक सौ बत्तीस मात्र) है जो कि टेंडर की अनुमानित लागत राशि रु. 1,72,92,053.00 से 22.75% नीचे 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 Excluding GST totaling to Rs. 1,33,58,132.00 (Rupees One Corer Thirty-Three Lakh Fifty-Eight Thousand One Hundred Thirty-Two Only) which is 22.75% below the estimated cost put to tender of Rs. 1,72,92,053.00.

2. वरिष्ठ प्रबंधक (इंजी-विद्युत), भारतीय विमानपत्तन प्राधिकरण, कोल्हापुर विमानक्षेत्र, कोल्हापुर कार्य प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप स्वयं या आपकी ओर से एक विश्वसनीय प्रतिनिधि प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक 24/10/2025 तक वरिष्ठ प्रबंधक (इंजी- विद्युतीय), भाविप्रा, कोल्हापुर विमानक्षेत्र के कार्यालय में उपस्थित हो तथा करारनामे को पूरा करें। ठेके का करारनामा रु. 100/- (रु. एक सौ मात्र) के नोन-ज्यूडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा पेपर का खर्च आपके द्वारा वहन किया जाएगा।

Senior Manager (Engg-Elect), Airports Authority of India, Kolhapur Airport, Kolhapur shall be the Engineer-in-charge of the work. You are requested to attend or depute your accredited representative, empowered to sign the contract agreement on your behalf, to attend the office of the Senior Manager (Engg- Elect), AAI, Kolhapur Airport by 24/10/2025 to sign and complete the contract agreement. The contract agreement shall be executed

कार्यालय विमानपत्तन निदेशक, कोल्हापुर एयरपोर्ट, कोल्हापुर, महाराष्ट्र - 416004
O/o Airport Director, Kolhapur Airport, Kolhapur, Maharashtra - 416004



on a non-judicial stamp paper of value **Rs. 100/- (Rs. One Hundred only)** and the cost of the stamp paper shall be borne by you.

3. इस निविदा के साथ मांगी गयी अग्रिम धन राशि **रु. 5,18,762.00/- (रुपये पांच लाख अठारह हजार सात सौ बासठ मात्र)** थी जो की आपके मूल खाते मे प्राप्त हो जावेगी । कृपया, प्रतिभूति निक्षेप राशि **रु. 13,35,813.00 /- (रुपये तेरह लाख पैंतीस हजार आठ सौ तेरह मात्र)** इस पत्र के निर्गत दिनांक से दस दिनों के भीतर जमा करें अन्यथा उक्त धनराशि की कटौती संविदा प्रपत्र की उक्त संदर्भित शर्त 1A पृष्ठ क्रमांक GCC-16 के अनुसार की जाएगी ।

The earnest money deposit of **Rs. 5,18,762.00 (Rupees Five Lakh Eighteen Thousand Seven Hundred Sixty Two Only)** will be refunded back to your original account. Please deposit **Rs. 13,35,813.00/- (Rupees Thirteen Lakh Thirty Five Thousand Eight Hundred and Thirteen 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 GCC Clause no. 1A at page 17 of GCC of tender document.

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) 1971 केंद्रीय नियमों के प्रावधान का पालन करे, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण कार्यकर्ता (रोजगार का विनियमन और सेवा की शर्त) अधिनियम 1996, बिल्डिंग और अन्य निर्माण कार्यकर्ता कल्याण सेस अधिनियम 1996 जैसा कि निविदा के जीसीसी के खंड 19 पृष्ठ 49 और केंद्रीय तथा राज्य सरकार के नियमों में निर्दिष्ट है।

You are requested to comply with the provision of Contract labour (Regulation and Abolition) Act 1970 and Contract labour (Regulation and Abolition) Central rules 1971 Child labour (Prohibition and Regulation) Act 1986, Construction workers (Regulation of Employment and Condition of service) Act 1996, Building and other construction workers welfare cess act 1996 as specified in clause 19 page 49 of GCC of tender & minimum wage act and rules of Central and state government.

5. आपको निर्देश दिया जाता है कि आप तुरंत **प्रबंधक (इंजी-विद्युत)**, भाविप्रा, कोल्हापुर विमानक्षेत्र से मिले वह आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact **Manager (Engg-Elect)**, AAI, Kolhapur Airport immediately who will arrange to hand over site to you.

6. कृपया नोट कर ले कि काम करने का अनुमत समय **06 (छह) महीना** है जोकि इस पत्र के जारी करने के दसवे दिन से यानी दिनांक **24/10/2025** से गिना जायेगा ।

Please note that, the time allowed for carrying out the work is **06 (Six) Months** which shall be reckoned from the tenth day issue of this letter i.e. date **24/10/2025**.

7. इस ठेके के संबंध मे आगे की कोई भी पत्राचार **वरिष्ठ प्रबंधक (इंजी- विद्युत)**, भाविप्रा, कोल्हापुर विमानक्षेत्र, कोल्हापुर 416004 के पते पर किया जाए।

Any further correspondence in connection with the contract should normally be addressed to the **Senior Manager (Engg-Elect)**, AAI, Kolhapur Airport, Kolhapur-416004.

8. स्वीकृति के प्रतीक के रूप में अधिसूचना में हस्ताक्षर करने के बाद कृपया इस पावती को स्वीकार करें और इस पत्र की नकल प्रतिलिपि वापस करें।

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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.

9. यदि किसी नियम के अंग्रेजी और हिंदी संस्करणों के बीच कोई विसंगति पाई जाती है, तो अंग्रेजी संस्करण मान्य होगा।

In case of discrepancy between English and Hindi versions of a Regulation, English version prevails

भवदीय /Yours faithfully

Signature
14.10.25.

वरिष्ठ प्रबंधक (अभि- विद्युत)/

Senior Manager (Engg-Elect),

भाविप्रा, कोल्हापुर हवाईअड्डा, कोल्हापुर

AAI, Kolhapur Airport, Kolhapur

कृते अध्यक्ष, भा.वि.प्रा. की ओर से

For and on behalf of Chairman, AAI

Item Rate BoQ

Name of Work: Construction of Localizer (LLZ) and GP (Glide Path) at Kolhapur Airport. SH : Electrical works.

Contract No: 2025_AAI_238848_1

Name of the Bidder/ Bidding Firm / Company : M/s. Doshi Electric Engineering Co.

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	Qty	Units	Rate	Amount
1.00	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 medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	52.00	Each	900.00	46800.00
2.00	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	80.00	Meter	550.00	44000.00
3.00	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	180.00	Meter	330.00	59400.00
4.00	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	100.00	Meter	220.00	22000.00
5.00	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in recess etc as required. 3 Module	16.00	Each	185.00	2960.00
6.00	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in recess etc as required. 6 Module	14.00	Each	280.00	3920.00
7.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 16 A switch	42.00	Each	185.00	7770.00
8.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 6 pin 6/16 A socket outlet	42.00	Each	232.00	9744.00
9.00	Supplying and fixing brass batten/ angle holder including connection etc. as required.	4.00	Each	90.00	360.00
10.00	Supply of 20 W LED Inverter/ rechargeable bulb With Auto-Charge Technology having Emergency time backup of not less than 4 Hours at min. of 50% illumination, suitable for 230 V, 50 Hz Single phase supply complete as required.	4.00	Each	930.00	3720.00
11.00	Supply & Fixing of 400 mm sweep wall fan having Aerodynamically designed, Balanced Blade, thermal overload protection, Jerk free oscillation (60o) & smooth running, 1400 RPM suitable for use on 230 volts, 50 Hz, single phase, A.C. supply etc. complete as required.	2.00	Each	3250.00	6500.00
12.00	Supply of 1400 RPM, 400 mm dia. Jerk free oscillation & smooth running pedestal fan with aerodynamically desined blades etc. complete as required, suitable for 230 volts, 50 Hz, single phase, A.C. supply.	2.00	Each	3720.00	7440.00

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13.00	SITC of single phase, 200 mm sweep, 1800 RPM, PVC body glossy finish Exhaust fan 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	2325.00	4650.00
14.00	Supply of indoor surface mounting 20 W (nominal capacity), LED light fitting efficacy of not less than 100 lumens, complete with LED tube rod, accessories etc and suitable for use on 230 volts, 50 Hz, single phase, A.C. supply as required.	30.00	Each	225.00	6750.00
15.00	Supply of indoor surface mounting 9 W (nominal capacity), LED light fitting efficacy of not less than 100 lumens, complete with LED tube rod, accessories etc and suitable for use on 230 volts, 50 Hz, single phase, A.C. supply as required.	4.00	Each	215.00	860.00
16.00	Supply of 30 W (nominal capacity) LED integral Flood Light type light fitting having pressure die cast housing with toughened glass, individual LEDs with secondary optics, IP 66, inbuilt convertor, accessories etc and suitable for use on 230 volts, 50 Hz, single phase, A.C. supply as required.	10.00	Each	1070.00	10700.00
17.00	Supply of rechargeable portable type LED Emergency light with min 5 W output and having 4000 mAh Li-ion etc. complete as required.	2.00	Each	930.00	1860.00
18.00	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/ LED lamps per fitting/wall fan, complete with all accessories including connections etc. as required.	46.00	Each	465.00	21390.00
19.00	Supplying and fixing following way, single pole and neutral, sheet steel, glazed door, MCB distribution board, 240 V, 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) 6 way, Double door	4.00	Each	2790.00	11160.00
20.00	Supplying and fixing following way, single pole and neutral, sheet steel, glazed door, MCB distribution board, 240 V, 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) 8 way, Double door	2.00	Each	3250.00	6500.00
21.00	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, 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) 8 way (4 + 24), Double door	2.00	Each	4650.00	9300.00
22.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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. Single pole	24.00	Each	140.00	3360.00
23.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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. Double pole	8.00	Each	430.00	3440.00
24.00	Supplying and fixing of 40A to 63 amps rating, 415 volts, "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. Four Pole	2.00	Each	1860.00	3720.00
25.00	Supplying and fixing of 32 A rating, double pole, 240 volts, RCBOs, having a sensitivity current 300 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	4.00	Each	3250.00	13000.00

26.00	PTTA Panel: Design, fabrication, assembling, supply, installation, testing and commissioning of cubicle type LT panels, free floor standing/wall mounted as per site condition suitable for 415V, 3 phase, 4 wire 50 Hz AC supply system fabricated in compartmentised design from CRCA sheet steel of 2 mm thick, IP 42, 3 mm thick for gland plates i/c cleaning and finishing complete 7 tank process for powder coating in approved shade, extendable type TPN aluminium alloy busbars of high conductivity, DMC/SMC busbar supports, entire panel shall have a common copper earthbar of size 20mm X 3 mm at the rear with 2 Nos. earth studs, solid connection from main busbar to switchgears with require size of aluminium busbar & control wiring with 2.5(CT)/1.5(PT) sqmm FRLS insulated copper conductor cable, cable alleys, cable gland plates i/c accessories as per specification and providing switchgears, metering instruments etc. for following to the panel. Note: Extended Bus Bars with sufficient clearance shall be provided for Incommer section of MCCBs to receive 3.5C x 95Sqmm. Armoured Aluminium Cable. Each panel shall be equipped with Automatic Fire Suppression system, having linear pneumatic heat detection tube based with Novec 1230. The system shall be LPCB approved & coordination with Fire alarm system etc. suitable for the panel size accordane with specifications, NEC-2011, NBC ammended upto date. Incomer: a) 100 A, 25 KA, 04 Pole Thermal magnetic release MCCB (Ics=100%Icu) having O/L, S/C fault Protection with with front operated rotary handle - 02 nos. b) 100 A, 04 Pole, Automatic transfer Swith with controller having Auto/Manual mode selection with operated handle - 01 Nos. c) 100 A, 04 Pole, HRC fuse with links - 01 Set d) 100 A, 25 KA, 04 Pole Thermal magnetic release MCCB (Ics=100%Icu) having O/L, S/C, E/F fault Protection with with front operated rotary handle - 01 nos. e) TPN SPD, type-2, Uc = 275 V, I_{max} = 50 KA (8/20µs) with isolating MCB & indicators - 01 Set f) Digital Power Data logger for current, voltage, PF, Frequency, Power etc. with inbuilt memory for storage of atleast 3 days record - 01 Set. g) LED indication Lamps (R,Y,B) with SP MCBs protection - 03 Set. h) Digital Multifunction meter, 3 phase, 5A, class -1 with Cast resin/tape insulated CTs (100/5) - 01 Set. i) ON, OFF indication lamps (LED type) - 03 Set j) 200 A, 4 P, Aluminium Bus bar, with Fiber glass insulated support & Heat shrinkable color coded insulation sleeves etc. OUT GOING: i) 3 No. 63 Amps. 4P, MCCB, 25 KA, (Ics = Icu= 25 KA) with thermal magnetic release having O/L & S/C protection equiped with extendable Rotary handle, R, Y, B phase indication lamps (LED type), ON, OFF indication lamps (LED type) with 2 Amp control MCBs. ii) 4 No. 40 Amps. 4P, MCCB, 25 KA, (Ics = Icu= 25 KA) with thermal magnetic release having O/L & S/C protection equiped with extendable Rotary handle, R, Y, B phase indication lamps (LED type), ON, OFF indication lamps (LED type) with 2 Amp control MCBs. c) TPN SPD, type-2, Uc = 275 V, I_{max} = 40 KA (8/20µs) with isolating MCB & indicators - 02 no's. iii) 02 Nos 40 A, 10 kA, TPN MCB iv) 02 No 32 A, 10 kA, DP MCB with 32 A, RCBO, 100 mA v) 02 No. 20 A, 10kA MCB	2.00	Each	500000.00	1000000.00
27.00	Providing & Fixing in position 1000 mm wide, Electrical Insulating Mat as per IS 15652:2006, 2 mm thick, suitable upto 3.3 KV, fire retardant, no effect of acids, alkalies and transformer oils, moiture proof, high tensile strength and texture fininsh/ cloth impression (Anti slip marking on top) etc. complete as required.	4.00	Sqm	740.00	2960.00

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28.00	Design, fabrication, assembling, supply, installation, testing and commissioning of outdoor type Busbar Junction Box, free floor standing/wall mounted as per site condition having 4P, 200 A Busbar, suitable for 415V, 3 phase, 4 wire 50 Hz AC supply system fabricated in compartmentised design from CRCA sheet steel of 2 mm thick, IP 54, 3 mm thick for gland plates i/c cleaning and finishing complete 7 tank process for powder coating in approved shade, DMC/SMC busbar supports, entire panel shall have a common copper earthbar of size 20mm X 3 mm at the rear with 2 Nos. earth studs, cable gland plates including providing pedestal stand of upto 300 mm height with suitable breakable couplers for all legs complying ICAO guidelines etc. complete as required. Note: Busbar Junction Box should be suitable to receive 3.5C x 240 Sqmm. Armoured Aluminium Cable.	6.00	Job	28000.00	168000.00
29.00	Supply of aluminium conductor XLPE insulated, PVC sheathed, armoured power cable of 1.1 KV grade conforming to IS-7098 Part 1(1988) amended up to date. 3.5 X 240 Sq mm	7000.00	Meter	1100.00	7700000.00
30.00	Supply of aluminium conductor XLPE insulated, PVC sheathed, armoured power cable of 1.1 KV grade conforming to IS-7098 Part 1(1988) amended up to date. 4 X 16 Sq mm	100.00	Meter	117.00	11700.00
31.00	Supply of copper conductor XLPE insulated, PVC sheathed, FRLSZH at outer Sheath armoured power cable of 1.1 KV grade conforming to IS-7098 Part 1(1988) amended up to date. 3 x 10 Sqmm	60.00	Meter	650.00	39000.00
32.00	Supply of copper conductor XLPE insulated, PVC sheathed, FRLSZH at outer Sheath armoured power cable of 1.1 KV grade conforming to IS-7098 Part 1(1988) amended up to date. 3 x 2.5 sq mm	130.00	Meter	232.00	30160.00
33.00	Supply of copper conductor XLPE insulated, PVC sheathed, FRLSZH at outer Sheath armoured power cable of 1.1 KV grade conforming to IS-7098 Part 1(1988) amended up to date. 2 x 1.5 Sqmm	100.00	Meter	116.00	11600.00
34.00	Excavation for cable trenches in soft soil, depth upto 1.2 m including dressing of sides lift upto 1.5 m, including getting out the excavated soil, refilling with sand and or good soil after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	20.00	CUM	200.00	4000.00
35.00	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	90.00	CUM	800.00	72000.00
36.00	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 metres.	90.00	CUM	200.00	18000.00
37.00	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 40 mm nominal size) in road crossing/side wall of drain including form work etc as required.	5.00	CUM	7440.00	37200.00
38.00	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) etc., complete as required. 90 mm dia (OD-90 mm & ID-76 mm nominal)	6400.00	Meter	180.00	1152000.00
39.00	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) etc., complete as required. 50 mm dia (OD -50mm & ID 40 mm nominal)	80.00	Meter	140.00	11200.00

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40.00	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required. 100 mm dia.	80.00	Meter	1300.00	104000.00
41.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing masonry open duct as required. Above 185 sq. mm and upto 400 sq. mm	200.00	Meter	55.00	11000.00
42.00	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. Upto 35 Sqmm	80.00	Meter	30.00	2400.00
43.00	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. Above 185 sq. mm and upto 400 sq. mm	6400.00	Meter	50.00	320000.00
44.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3.5 x 240 Sqmm	10.00	Each	3720.00	37200.00
45.00	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. 3 X 2.5 sq. mm (12/16 mm)	4.00	Each	372.00	1488.00
46.00	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. 3 X 10 sq. mm (22mm)	4.00	Each	465.00	1860.00
47.00	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 X 16 sq. mm (28mm)	4.00	Each	560.00	2240.00
48.00	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. 3.5 X 240 sq. mm (62 mm)	8.00	Each	1120.00	8960.00
49.00	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.	4.00	Each	7070.00	28280.00
50.00	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.	80.00	Meter	530.00	42400.00
51.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20.00	Meter	235.00	4700.00
52.00	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 10cm including inscription duly engraved as required	70.00	Each	325.00	22750.00
53.00	Providing and fixing of lightning finial, made of 25 mm dia 300 mm long, copper tube, having single prong at top, with 85 mm dia 3mm thick copper base plate including holes etc. complete as required.	4.00	Each	1860.00	7440.00
54.00	Earthing with copper earth plate 600 mm X 600 mm X 3 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.	4.00	Each	16740.00	66960.00

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55.00	Jointing copper / G.I. tape (with another copper/ G I tape, base of the final or any other metallic object) by riveting / nut bolting/ sweating and soldering etc. as required.	4.00	Each	200.00	800.00
56.00	Providing and fixing copper tape 20mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	70.00	Meter	800.00	56000.00
57.00	Providing and fixing copper tape 20mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For Vertical run)	30.00	Meter	800.00	24000.00
58.00	Providing and fixing testing joint, made of 20 mm X 3 mm thick Copper strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	4.00	Each	930.00	3720.00
59.00	Supply of 1.5 TR highly energy efficient, hi-wall mounted Split type inverter Air-conditioner with high ISEER, 5 star rating, dual inverter compressor, cordless remote, suitable for operation on 230 Volts +/- 10%, 50 Hz, single phase A.C. supply, having copper condenser coil, capable of performing cooling, dehumidifying, air circulating, filtering and ventilation complete etc. as required.	12.00	Nos	44200.00	530400.00
60.00	Installation, Testing & commissioning of A/C units as mentioned in item no-1 which includes mounting of indoor & outdoor unit including providing MS stand/ PCC platform at their respective location along with laying of refrigerant pipeline with insulation & flexible PVC covering pipe up to standard length supplied with the unit, connecting both the units, leak testing of entire system, connecting both indoor and outdoor units with three core 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.	12.00	Job	3700.00	44400.00
61.00	Supplying and fixing 20/16 A, 240 V, IP 40, SPN AC Distribution Box/socket outlet, with 2 pole and earth, High grade Thermoplastic enclosed plug top alongwith 20/16 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained cover for the socket out let and complete with connections, testing and commissioning etc. as required.	12.00	Nos	1120.00	13440.00
62.00	SITC of Heavy Duty AC Timer for cyclic operation of Air Conditioners, Automatic Switch Over with Minimum Switching Time 4 Hour, 2 Programming Channels suitable for 1.5 TR Split Acs, Single phase, 50 Hz etc complete as required. (Make Carrier or equivalent)	6.00	Each	7950.00	47700.00
63.00	Supply of bubble top Hot and Cold water dispenser with three faucets (normal, hot and cold) having capacity not less than 15 litre, with non CFC Refrigerant and 02 Nos duly filled 20 L Water Bottles/Cans etc. as required.	2.00	Each	11160.00	22320.00
64.00	Supply, installation, testing and commissioning of addressable type, 02 Loop Fire Alarm control panel conforming to UL/LPCB/FMI/EN-54 with all accessories for connecting multi sensor detectors, manual call points, Hooters etc suitable for operation on 220 Volts, 50 Hz AC power supply, LED indicators to indicate fire and normal operation & power supply status, push button for accept and Reset, maintenance free batteries with minimum 1 hour backup on alarm mode & 8 hours on normal operation mode with battery charger etc., shall be complete as required. Panel shall have necessary provision for connecting and functioning with auto dialer etc as required.	2.00	Each	186000.00	372000.00
65.00	Supply, installation, testing and commissioning of auto dialer with all necessary accessories including connections, modules if any required for integrating with addressable Fire Alarm Panel above etc. complete as required.	2.00	Each	17670.00	35340.00
66.00	Supplying, installation, testing and commissioning of analogue addressable type smoke detector, conforming to UL/LPCB/FMI/EN-54, with all accessories viz. mounting base with unique optical sensing chamber, base, visible LED's, complete with all accessories including connections, to be installed on ceiling / false ceiling etc. complete as required.	8.00	Each	3250.00	26000.00
67.00	Supply and Installation of Addressable sounder cum Flasher complete etc. as required.	2.00	Each	9500.00	19000.00
68.00	Supply, installation, testing and commissioning of weather proof Addressable manual call point (UL Listed) complete with all accessories including connections etc. complete as required.	2.00	Each	6590.00	13180.00
69.00	SITC of Response indicator complete etc. as required.	2.00	Each	465.00	930.00
70.00	Supply of ABC type fire extinguishers confirming to (IS 15683:2006 and cylinders fully charged of following capacity including providing suitable M.S. Stand. (a) 9 KG	10.00	Each	2530.00	25300.00

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71.00	Design, Supply, Installation, Testing & Commissioning of Clean Agent Gas Flooding System for following areas, complete using Gas Agent as per NFPA 2001. Supply of Cylinder UL listed/FM/VDS/LPCB/CCOE(PESO) Approved, complete with valve assembly and arrangement for supervisory switch connection for monitoring cylinder pressure. A pressure gauge with a safety burst disc, electronic control head/Solenoid, pressure operated control, head, flexible hose, strap, NRV and safety cap. Gas-Quantity would be as per the design volume and as per the necessary code specifications UL Certifications. Clean agent shall be of FK-5-1-12 Gas flooding System with all cylinders, gas, manifold, Master Cylinder Accessories for above including Electrical Control Head, Discharge Hose and Gas discharge Warning sign, Nozzles including providing, installing, testing and commissioning of Gas Release Panel complete with timer, battery backup, Gas Release/Gas Abort Switch etc. complete system as required. item also includes Fire alarm system for cross zoning and supply & laying of Fire survival cable, detector & panels. Note: The Individual system will be provided in specified areas only. The contractor will design the system as per NFPA 2001. The contractor will get the design approved by AAI before execution. Statutory Approvals will be taken from concerned authorities. The piping design and pressure calculations using manufacturer design software for a given dimension of room duly approved by manufacturer/distributors shall be submitted prior to starting of the works. (Area, Volume mentioned here are approx. values and given for indicative purpose, agency has to design for actual measurements at site and as per drawings) (Individual system) Surface area:- 20.20 Sqmtr (Approx.) Total volume:- 65.65 cubic mtr. (Approx.)	2.00	Job	446400.00	892800.00
Total Amount					13358132.00

hnp
Shree
14/10/25
Senior Manager (Engg-Elect)
AAI, Kolhapur Airport

Signature Not Verified

Digitally signed by BIDYUT ROY
Date: 2026.03.05 16:24:38 IST
Location: eProcurement System for Central
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