



भारतीय विमानपत्तन प्राधिकरण
पश्चिमी क्षेत्र मुख्यालय
AIRPORTS AUTHORITY OF INDIA
WESTERN REGION, HQRS.

सं.संख्या: भाविप्रा/पक्षे/मुंबई/समप्र(अभि.वि.)-एटीएस/सीडब्ल्यू/काआ-03/2021-22/77
Ref.No.: AAI/WR/MUM/AGM(E-E)-ATS/CW/WO-03/2021-22/77

दिनांक : 22.03.2022
DATE : 22.03.2022

BY SPEED POST / E-mail

प्रति / To,
मेसर्स. क्रिशसन्स इंटरनेशनल इंजीनियर्स अंड कंसलटंट्स (इं) प्रा.लिमिटेड, /
M/s. Krishsons International Engineers and Consultants (I) Pvt.Ltd.,
304, वेलेंटाइन टावर, जन.अकुवै मार्ग, पिंपरी पाडा, / 304, Velentine Tower, Gen.AKV Marg, Pimpri Pada,
फिल्मसिटी रोड, मालाड (पूर्व), / Filmcity Road, Malad (East),
मुंबई- 400 097/ Mumbai – 400 097.

विषय/ Sub: "कन्स्ट्रक्शन ऑफ न्यू डिवीओर बिल्डिंग एट सी.एस.एम.आय. एअरपोर्ट, मुंबई। एसएच : इलेक्ट्रिकल वर्क्स – आय.टि.सी.
वर्क्स। (निविदा आय.डी.: 2022_भाविप्रा_105764_1) /
"Construction of New DVOR Building at C.S.M.I. Airport, Mumbai. SH: Electrical Works - I.T.C.Works. (Tender ID:
2022_AAI_105764_1)"

संदर्भ : 1. आपका टेंडर 15.03.2022 को खुला।

Ref.: 1. Your tender opened on 15.03.2022.

महोदय / Dear Sir,

- उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत मद दरों पर स्वीकार की जाती है जो कुल **रु.49,18,040.00 (रुपये उनचास लाख अठारह हजार चालीस मात्र)** (जीएसटी रहित), जो निविदा में रखी गई अनुमानित लागत **रु.61,83,943.00 (जीएसटी रहित)** से **20.47%** नीचे है। वैध टैक्स चालान के खिलाफ जीएसटी का भुगतान किया जाएगा। कृपया कर चालान में महाराष्ट्र राज्य के लिए **AAI GST no. 27AAACA6412D1Z8** उद्धृत करें।
- 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 **Rs.49,18,040.00 (Rupees Forty Nine Lakhs Eighteen Thousand Forty only) (excluding GST)** which is **20.47% below** the estimated cost put to tender of **Rs.61,83,943.00 (excluding GST)**. GST will be paid against Valid Tax invoice. Please quote **AAI GST no.27AAACA6412D1Z8** for Maharashtra State in Tax Invoice.
- सहायक महाप्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, मुंबई कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप सहायक महाप्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, मुंबई के कार्यालय में दिनांक **01.04.2022** तक उपस्थित रहकर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण करने का कष्ट करें। ठेका करार का निष्पादन 100/- रुपये (केवल एक सौ रुपये) के गैर-न्यायिक स्टैम्प पेपर पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।
- Asstt.General Manager (Engg.-E.), AAI, ATS Complex, Mumbai shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Asstt.General Manager (Engg.-E), AAI, ATS Complex, Mumbai by **01.04.2022** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One hundred only) and the cost of the stamp paper shall be borne by you.

CONTD. 2/-

क्षेत्रीय कार्यपालक निदेशक का कार्यालय, पारसीवाडा के सामने, सहार रोड, विलेपार्ले (पूर्व), मुंबई - 400 099.
Office of the Regional Executive Director, Opp. Parshiwada, Sahar Road, Vile Parle (E), Mumbai - 400 099.

☎ 91-22-29217400

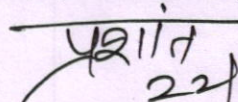
ए.टी.एस. कॉम्प्लेक्स, सहार कार्गो के पास, सुतार पखाडी रोड, सहार, मुंबई - 400 099.
ATS Complex, Near Sahar Cargo, Sutar Pakadi Road, Sahar, Mumbai - 400 099.

☎ 91-22-26819300

3. आपसे अनुरोध है कि इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर सुरक्षा राशि जो टेंडर राशि के 10 % है को प्रस्तुत करें, अन्यथा अनुबंध के पृष्ठ 55 पर शर्त के अनुसार आपके बिल से काटा जाएगा।
3. You are requested to furnish security deposit @ 10 % of tendered amount within 10 days from the date of issue of this letter, failing which the same will be deducted from your bill as per condition on page 55 of the contract document.
4. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियमावली 1971 और केंद्रीय एवम राज्य सरकारों के न्यूनतम वेतन तथा उससे संबंधित अन्य नियमों के प्रावधानों का पालन करें।
4. You are requested to comply with the provisions of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation & abolition) Central rules 1971 and minimum wages Act & rules of central and state Governments with its upto date amendments thereof.
5. आपको यह भी निर्देश दिया जाता है कि आप तुरंत प्रबंधक (अभि.वि.), भाविप्रा, एटीएस कॉम्प्लेक्स, मुंबई से संपर्क करें जो आपको साइट सौंपने की व्यवस्था करेंगे।
5. You are also directed to contact Manager (Engg.-E.), AAI, ATS Complex, Mumbai immediately who will arrange to hand over the site to you.
6. कृपया यह भी नोट कर ले कि निविदा के अनुसार कार्य निष्पादन हेतु अनुमत समय 06 (छह) महीने है, जिसकी गणना इस कार्य आदेश के जारी होने की तिथि के बाद 10वें दिन से की जाएगी।
6. Please note that the time allowed for carrying out the work is 06 (Six) months, which shall be reckoned from 10th day after the date of issue of this work order.
7. इस ठेके के संबंध में कोई और पत्राचार सामान्य रूप से सहायक महाप्रबंधक (अभि.विद्युत), भाविप्रा, एटीएस कॉम्प्लेक्स, मुंबई को संबोधित किया जाना चाहिए।
7. Any further correspondence in connection with the contract should normally be addressed to the Asstt. General Manager (Engg.-E.), AAI, ATS Complex, Mumbai.
8. ऊपर उल्लिखित सभी पत्र अनुबंध का हिस्सा होंगे।
8. All the letters referred above shall form part of contract.
9. कृपया इस पत्र की प्राप्ति सूचना दें तथा इसके साथ संलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेजें।
9. 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. कार्य आदेश के संबंध में किसी प्रकार की टंकनीय त्रुटी/विसंगति होने पर अंग्रेजी संस्करण मान्य होगा।
10. With reference to this work order, if in case of any typographical mistake / discrepancy arise, the English version shall prevail.

धन्यवाद, / Thanking You,

भवदीय / Yours faithfully,


22/03/2022

सहायक महाप्रबंधक (अभि.विद्युत),

Asstt. General Manager (Engg.-E.),

कृते तथा ओर से, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण

For and on behalf of Chairman, Airports Authority of India.

सहायक महाप्रबंधक (अभि.विद्युत)

Asstt. Gen. Manager (Engg.-E.)

भारतीय विमानपत्तन प्राधिकरण, ए.टी.एस. कॉम्प्लेक्स

Airports Authority of India, A.T.S. Complex,

मुंबई/Mumbai - 400 099.

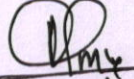
संलग्न / Encl. : मात्रा का बिल / Bill of quantities.

AIRPORTS AUTHORITY OF INDIA
ENGINEERING ELECTRICAL WING, ATS COMPLEX, MUMBAI - 400 099.

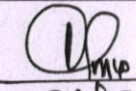
BILL OF QUANTITIES (B.O.Q.)

Name of Work: Construction of New DVOR Building at C.S.M.I. Airport, Mumbai. SH: Electrical Works- I.T.C.Works.
(Tender ID : 2022_AAI_105764_1)

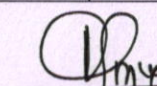
Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	SH:I- Internal Electrification				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLSH PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLSH PVC insulated copper conductor single core cable etc as required.				
	a) Group C	Point	35	1090.00	38150.00
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLSH PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
	a) 2 x 1.5 Sq.mm + 1 x 1.5 Sq.mm Earth Wire	Meter	300	188.00	56400.00
	b) 2 x 2.5 Sq.mm + 1 x 2.5 Sq.mm Earth Wire	Meter	200	205.00	41000.00
3	Wiring for light/ power plug with 2X4 sq. mm FRLSH PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FRLSH PVC insulated copper conductor single core cable for loop earthing as required.	Meter	100	270.00	27000.00
4	Wiring for light/ power plug with 4X4 sq. mm FRLSH PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	100	400.00	40000.00
5	Supplying and fixing of 25 mm sizes of medium class steel conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	Meter	120	125.00	15000.00


22/03/2022

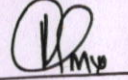
Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
6	Supplying and drawing 3 x 4 Sq.mm sizes of FRLS PVC insulated copper conductor, single core cable in the in the existing surface/recessed PVC/steel conduit/PVC casing & capping as required.	Meter	100	160.00	16000.00
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	40	550.00	22000.00
8	Supplying and fixing modular blanking plate on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	Each	10	30.00	300.00
9	Supply and fixing of the 25 Amp, Double Pole MCB of 240/415 Volts, 'C' curve type, having breaking capacity of 10 kA, with suitable MCB MS enclosure complete with interconnections, testing and commissioning etc. complete as reqd.	Each	6	1250.00	7500.00
10	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
	a) 1 or 2 Module (75 mm x 75 mm)	Each	5	190.00	950.00
	b) 3 Module (100 mm x 75 mm)	Each	5	210.00	1050.00
	c) 4 Module (125 mm x 75 mm)	Each	5	227.00	1135.00
11	Supplying and fixing of 8 way (8 + 24), Double door vertical 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)	Each	1	7000.00	7000.00
12	Supplying and fixing of 16 way, Single pole and neutral, Metalica 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)	Each	3	2100.00	6300.00
13	Supplying and fixing 100A rating, 240/415 V, 10 kA, "C" curve, 4 Pole miniature circuit breaker suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	1	7500.00	7500.00


 22/03/2022

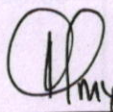
Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
14	Supplying and fixing 63A rating, 240/415 V, 10 kA, "C" curve, 4 Pole miniature circuit breaker suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	1	2200.00	2200.00
15	Supply and fixing of the 63 Amp, Four Pole MCB of 240/415 Volts, 'C' curve type, having breaking capacity of 10 kA, with suitable MCB MS enclosure complete with interconnections, testing and commissioning etc. complete as reqd.	Each	1	2500.00	2500.00
16	Supplying and fixing 63A rating, 240/415 V, 10 kA, "C" curve, DP miniature circuit breaker suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	4	400.00	1600.00
17	Supplying and fixing of 32 Amp rating, Two pole, (one phase and neutral), 415/240 volts, residual current breaker with overload protection (RCBO), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	4	3500.00	14000.00
18	Supplying and fixing 5 A to 32 A rating DP MCB, 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.	Each	34	600.00	20400.00
19	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	12	15.00	180.00
20	Supply of LED type 36 Watt recess/suspended slim LED 1' x 4' panel integral light luminaries with powder coated rim complete including LED driver as required suitable for the operation on 230V, 50 Hz AC supply with all accessories complete as required & as specified. [Make : Bajaj, Model : BZSSL 36W WH or equivalent as approved by Engineer-in-Charge]	Each	5	2500.00	12500.00
21	Supply of LED type 36 Watt surface type slim LED 1' x 4' panel integral light luminaries with powder coated rim complete including LED driver as required suitable for the operation on 230V, 50 Hz AC supply with all accessories complete as required & as specified. [Make : Bajaj, Model : BZSSL 36W WH or equivalent as approved by Engineer-in-Charge]	Each	13	2600.00	33800.00


 22/03/2022

Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
22	Installation, testing and commissioning of pre-wired, LED fitting / compact fluorescent 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, copper conductor, single core cable and earthing etc. as required.	Each	18	125.00	2250.00
23	Supply of 45 Watt LED type Road/ Street light with minimum protection level IP 66, pressure die cast housing with epoxy power coated prismatic poly carbonate cover with individual LED lenses and complete assembly with LED, driver and accessories pre-wired up to terminal block i/c suitable mounting accessories etc. as required.	Each	6	2100.00	12600.00
24	Fixing of LED street light fitting on pole / wall including bending 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, testing and commissioning complete as required.	Each	6	750.00	4500.00
25	Supply of BLDC ceiling Fan with remote control, 1200 mm sweep suitable for 230 volt, with 30 cm down rod and other accessories, canopies, etc. as required.	Each	5	3100.00	15500.00
26	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 Sq.mm FRLSH PVC insulated, copper conductor, single core cable etc. as required.	Each	5	150.00	750.00
27	Supply of single phase 240 V pedestal fan having sweep 400mm, 3 step speed control complete as required.	Each	3	2600.00	7800.00
28	Supply and Installation of Weather proof IP 65 Cable junction box for 4X 4 Sq mm armoured cable with Connector and 32 Amp DP MCB for connection complete etc as required.	Each	2	1600.00	3200.00
29	Supply and fixing of 12 W fully Automatic Emergency LED Light having back up time of 3 hours complete with standard accessories all as required.	No	6	5200.00	31200.00
30	Supply of Aluminium self supporting ladder made out of C section and steps of Aluminium corrugated tubing fitted 16 feet, rubber pads at bottom and upper ends etc complete as required.	No	1	14000.00	14000.00


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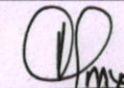
Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
31	Supply and Installation of Astro Mini time switch suitable for single phase 240V AC for lighting control based on sunrise/sunset timings by latitude/longitude settings.	No	1	3100.00	3100.00
32	Supply and fixing of LED Aviation light luminare(Intergral LED aviation light comprising of aluminium housing with polycarbonate enclosure) i/c connection, suitable for 230volts AC, make Bajaj Mode No: BGAV 302 LED or AAI approved list.	No	3	3800.00	11400.00
	SH:II- LT Panel and associated works				
33	Design, Supply, Installation, Testing & Commissioning of Indoor Type, Floor Mounted compartmentalized cubical type panel board of 415 Volt (Nominal), fabricated out of 2 mm thick MS Sheet, free standing and totally enclosed, IP42, Weather proof / dust proof / vermin proof with bottom / top cable entries and cable alleys. The switch board shall be suitable for operation on 3 Phase, 4 wire, 50 Hz AC Supply and with suitable size busbar, earth bar and following switchgear instrumentation and protection devices, SPD etc. complete with connections, interconnection, earthing, painting and marking etc. complete as required as per the specifications.				


22/03/2022

Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	Incomer : a) 250 A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 02 Nos. b) Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 Nos. c) Indication Lamp R, Y & B (LED Type) -02 set Automatic transfer switch with bypass switch arrangement for manual operation : a) 250A, 4P, 415V,50 Hz Automatic transfer switch. Outgoing : a) 100A, MCCB, 4P, 25 KA (Icu= 100% Ics) with extended rotary handle - 07 Nos. b) Indication Lamp R & G (LED type) - 07 Set Other : a) 300A Copper busbar, 3 Phase and Neutral b) Necessary CT & Control wiring arrangement c) Power terminal and other accessories	Job	1	350000.00	350000.00
34	Design, Supply, Installation, Testing & Commissioning of Indoor Type, Floor Mounted compartmentalized cubical type panel board of 415 Volt (Nominal), fabricated out of 2 mm thick MS Sheet, free standing and totally enclosed, IP42, Weather proof / dust proof / vermin proof with bottom / top cable entries and cable alleys. The switch board shall be suitable for operation on 3 Phase, 4 wire, 50 Hz AC Supply and with suitable size busbar, earth bar and following switchgear instrumentation and protection devices, SPD etc. complete with connections, interconnection, earthing, painting and marking etc. complete as required as per the specifications.				


22/02/2022

Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	Incomer : a) 250 A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 02 Nos. b) Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 Nos. c) Indication Lamp R, Y & B (LED Type) -02 set Automatic transfer switch with bypass switch arrangement for manual operation : a) 250A, 4P, 415V,50 Hz Automatic transfer switch. Outgoing : a) 200A, MCCB, 4P, 25 KA (Icu= 100% Ics) with extended rotary handle - 02 Nos. b) Indication Lamp R & G (LED type) - 02 Set Other : a) 300A Copper busbar, 3 Phase and Neutral b) Necessary CT & Control wiring arrangement c) Power terminal and other accessories	Job	1	300000.00	300000.00
35	Dismantling and reinstallation of existing DVOR feeder pillar along with its rectangular MS angle foundation base from the ground i/c disconnecting of existing LT cables, providing cement concrete foundation, loading / unloading etc. complete as required.	Job	2	7000.00	14000.00
36	Dismantling of existing DVOR Automatic transfer Switch (ATS), DBs etc. along with its all accessories i/c disconnecting of existing LT cables, loading / unloading etc. complete as required.	Job	1	4500.00	4500.00
37	SITC of TPN automatic transfer switch with complete protection, 100A , 415V,50Hz, 4 Pole etc as per site requirement (Make: Havells, model : IHYFCD0100 or equivalent approved make)	Each	2	45000.00	90000.00
38	SITC of 100 Amp,4 pole, 35kA rating 415V AC, MCCB in suitable MS enclosure i/c R,Y,B indication lamps incomer side, cables/wires connection complete etc. as required.	Each	4	7500.00	30000.00


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Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
39	Supply of ISI marked 2mm thickness 3.3Kv Electrical Insulation mat conforming to IS 15652:2006 , CPRI certified suitable for all voltages not exceeding 3.3 Kv having minimum width of 1000mm.	Sq.Mtr.	40	475.00	19000.00
40	SITC of Three Phase neutral Surge Protection Device (SPD), type 2 , 4 module, 3P+ N with inbuilt MCB having Maximum discharge current 100kA (8/20 us)), impulse current 8KA(10/350 us) with protection level of 0 - 1.5 KV including all accessories, conforming to IEC 61643-11, Cat No. AUSP123PN100, Make : L & T or equivalent as per AAI approved make list.	Each	2	12500.00	25000.00
41	SITC of Single Phase neutral Surge Protection Device (SPD), type 1+ 2 , 2 module, 1P+ N with inbuilt MCB having Maximum discharge current 50kA (8/20 us)), impulse current 12.50KA (10/350 us) with protection level of 0 - 1.5 KV including all accessories, conforming to IEC 61643-11, Cat No. AUSP121PN50, Make : L & T or equivalent as per AAI approved make list.	Each	1	7500.00	7500.00
SH:III- Cable laying					
42	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in existing RCC/HUME/METAL/DWC HDPE pipe etc as required.				
	a) Above 185 Sq.mm and upto 400 Sq mm	Meter	2380	70.00	166600.00
	b) Above 95 Sq.mm and upto 185 Sq mm	Meter	730	55.00	40150.00
	c) Up to 35 Sq.mm	Meter	160	25.00	4000.00
43	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in masonnary open duct etc as required.				
	a) Above 185 Sq.mm and upto 400 Sq mm	Meter	300	40.00	12000.00
	b) Above 95 Sq.mm and upto 185 Sq mm	Meter	40	30.00	1200.00
44	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) Above 185 Sq.mm and upto 400 Sq mm	Meter	20	140.00	2800.00
	b) Above 95 Sq.mm and upto 185 Sq mm	Meter	30	95.00	2850.00
	c) Upto 35 Sq.mm (clamped with 1mm thick saddle)	Meter	60	35.00	2100.00


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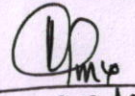
Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
45	Supply of 120 mm dia (OD-120 mm & ID-103 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. complete as required.	Meter	2490	120.00	298800.00
46	Laying of 120 mm dia (OD-120 mm & ID-103 mm nominal) 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) i/c excavation and refilling the trench but excluding sand cushioning and protective covering etc. complete as required.	Meter	2490	90.00	224100.00
47	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.				
	a) 3.5 X 240 Sq mm	Set	6	700.00	4200.00
	b) 3.5 X 150 Sq mm	Set	6	450.00	2700.00
48	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 aluminum conductor cable of 1.1 KV grade as required.				
	a) 3.5 C X 240 Sq.mm	Set	6	3500.00	21000.00
	b) 3.5 C X 150 Sq.mm	Set	4	3000.00	12000.00
49	Supply and Laying of 120 mm dia HDPE pipe with HDD trenchless method direct in ground (upto 6 meter below ground level) in all type of soil, coupling of pipe, etc complete as per site requirement in all respect.	Meter	720	1000.00	720000.00
50	Laying and fixing of 100 mm dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling and making the same surface etc. as required.	Meter	60	600.00	36000.00
	SH:IV- Earthing and LA				
51	Earthing with copper earth plate 600 mm X 600 mm X 3.15 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 3 metre long etc. with charcoal/ coke and salt as required.	Set	15	9000.00	135000.00

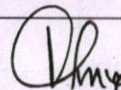

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Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
52	Supplying and laying 25 mm X 3 mm copper strip below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50 mm)	Meter	50	400.00	20000.00
53	Providing and fixing 25 mm X 3 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Meter	80	1000.00	80000.00
54	Providing and fixing 25 mm X 3 mm copper strip on surface or in recess for connections etc. as required.	Meter	130	835.00	108550.00
55	Providing and fixing of lightning conductor finial, made of 25 mm dia 2 mtr long copper tube, having single prong at top, with 85 mm dia 6 mm thick copper base plate including holes etc. complete as required.	No	3	1500.00	4500.00
56	Supplying and fixing of Medium class G.I. pipe of 50 mm dia. (nominal) 10 metres length along the pole for Lightning arrester installation including base plate , nut bolts , washer etc complete as required.	No	3	8500.00	25500.00
57	Providing joints by using brazing technique on 25 mm X 3 mm copper strip on surface or in recess for connections to another copper earth strip for interconnection to all earth's of Lightning Arrestors, counterpoise, Equipment and Electrical power supply earthing etc. as required.	No	100	120.00	12000.00
SH:V- SITC of Airconditioning					
58	Supply of 1.5 TR Eco-friendly refrigerant Split Inverter Air Conditioner of having nominal cooling capacity 1.5/4500, 5 Star BEE rating, conforming to IS:1391 with copper coil, 5 years warranty on compressor and 1 year warranty on machine etc. complete as required.	No	10	42000.00	420000.00
59	Supply and fixing of smart controller / Timer with 4 hr / 8 hr duration, 25A capacity, having OV & UV indication / protection suitable for AC power supply 240 V, 50 Hz. etc. complete as required.	No	4	6000.00	24000.00
60	Installation, Testing & Commissioning of 1.5 TR Eco-friendly refrigerant Split Inverter Air Conditioner etc. complete as required.	No	10	1800.00	18000.00
61	Providing and fixing of prefabricated MS Stand for outdoor unit i/c foundation complete etc. as required.	No	10	2000.00	20000.00


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Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
62	Providing of extra refrigerant piping, cabling (More than standard length), insulating with foam between indoor and outdoor units etc. as required.	Meter	25	800.00	20000.00
63	Providing and fixing of extra drain CPVC / UPVC pipe for condensate water from indoor unit to nearest drain point etc. as required.	Meter	25	125.00	3125.00
64	Dismantling the existing 1.5Tr/2Tr split type AC completely from existing DVOR building in the operational i/c loading / unloading to the AAI store etc. complete as required.	Job	7	900.00	6300.00
65	SITC of Dehumidifier with extraction capacity minimum 30 liters/day , in-built tank capacity minimum 6 Liters and provision of drain pipe etc. complete as required.	No	4	40000.00	160000.00
66	Supply of floor mounted bubble top water dispenser having cold and hot water storage capacity of minimum 3.2 Ltr and 0.9 Ltr with use of non CFC refrigerant , cooling capacity minimum 2.5 Ltr/hr , heating capacity minimum 5 Ltr/hr, LED indicator and 3 Faucets (Normal/Hot/Cold) mode function with 02 nos 20 Ltr water can etc complete as required.	Each	1	8000.00	8000.00
SH:VI- SITC of Fire Fighting and Suppression system.					
67	SITC of 1 loop fire alarm system control panel with loop card (each loop card having facility to accommodate at least 99 detectors and 99 modules), 80 character display unit, power supply unit, sealed maintenance free batteries for 24 hours backup, Auto dialer facility with 20 nos dialer, web server PCB for IP connectivity etc. complete as required. Make: Honeywell.	No	1	330000.00	330000.00
68	SITC of analogue addressable photo electric type smoke detector. Make: Honeywell	No	10	5800.00	58000.00
69	SITC of analogue addressable manual call point. Make: Honeywell	No	3	5800.00	17400.00
70	SITC of flasher type sounder unit. Make: Honeywell	No	3	2000.00	6000.00
71	SITC of Aerosol based automatic fire extinguishing system of ROHS compliant human safe fire suppression media, Discharge time: 58 Sec., Total weight: 46 kg along with its integration with fire alarm control panel.	No	2	215000.00	430000.00
72	SITC of Aerosol based automatic fire extinguishing system of ROHS compliant human safe fire suppression media, Discharge time: 47 Sec., Total weight: 12.5 kg, along with its integration with fire alarm control panel.	No	1	85000.00	85000.00
73	SITC of Manual abort pull type station	No	2	5000.00	10000.00


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Sr.No.	Description of Items	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
74	SITC of Manual release type pull station	No	2	5000.00	10000.00
75	SITC of 4.5kg ABC dry type automatic fire extinguisher with sprinkler head for spot type protection i/c mounting accessories etc complete as required.	No	6	5900.00	35400.00
				Total Rs.	4918040.00
				(+) plus GST extra as applicable	
(Total Rupees: Forty Nine Lakhs Eighteen Thousand Forty only (+) plus GST Extra as applicable)					
सहायक महाप्रबंधक (अग्नि-विद्युत) Asstt. Gen. Manager (Engg.-E) भारतीय विमानपत्तन प्राधिकरण, ए.टी.एस. कॉम्प्लेक्स A.A.I. Authority of India, A.T.S. Complex, मुम्बई/Mumbai - 400 099.  22/03/2022 Asstt.General Manager (Engg.-Elect.) A.A.I., ATS Complex, Mumbai - 400 099.					

Signature Not Verified

Digitally signed by PRASHANT SADASHIV FULMARE
Date: 2022.04.04 12:08:33 IST
Location: eProcurement System for Central PSUs

