

संदर्भ सं.: भा.वि.प्रा./BBSR/ सहायक महाप्रबंधक (अभि - विद्युत)-I/WO-01/2021-22/ 6903-11 दिनांक: 16.04.2021.

सेवा में/To,

मेसर्स दुर्गा सप्लाय एजेंसिज,
M/s Durga Supply Agencies,
28, ब्रह्मेश्वर बाग, टंकापानी रोड,
28, Brahmeswar Bag, Tankapani road,
भुवनेश्वर - 751018 / Bhubaneswar-751018

हाथ द्वारा / By Hand

ई-मेल: durga.supply @gmail.com

कार्य का नाम: इंस्टालेशन ऑफ़ CT-EDs एंड इन-लाइन एक्सरे बैगेज स्क्रीनिंग सिस्टम एट बी.पी.आई एयरपोर्ट,
भुवनेश्वर। उपशीर्ष:- इलेक्ट्रिकल वर्क्स।

Name of Work: Installation of CT-EDs and in-Line X-RAY Baggage Screening System at B.P.I. Airport,
Bhubaneswar. SH:- Electrical Works.

महोदय/Dear Sir(s),

Ref: Your e-Tender opened dated 18.03.2021 for Tender ID No. 2021_AAI_67913_1.

- उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 21,58,290.00 (इकीस लाख अठानव हजार दो सो नब्बे रुपया मात्र) जीएसटी को छोड़कर जो कि निविदा की अनुमानित लागत रु. 28,34,815.00 से 23.86% कम है, स्वीकृत की जाती है।

Your e-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at item rates quoted by you totaling to Rs. 21,58,290.00 (Rupees Twenty One Lakh Fifty Eight Thousand Two Hundred and Ninety Only) Excluding GST which is 23.86% (Twenty Three Point Eight Six Percent) below the Justified cost of Rs.28,34,815.00.

- सहायक महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक 26.04.2021 के अंदर सहायक महाप्रबंधक (अभि- विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर के कार्यालय में उपस्थित हों। संविदा करार रु 100/- (सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Asst. General Manager Engg. (E), AAI, B.P. International Airport Bhubaneswar, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Asst. General Manager Engg. (E), AAI, B.P. International Airport, Bhubaneswar by 26.04.2021 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100.00 (Rupees One Hundred only) and the cost of stamp paper shall be borne by you.

Cont...2



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

विद्युत अभियांत्रिकी अनुभाग
ELECTRICAL ENGINEERING WING

3. कृपया इस पत्र के जारी होने के 10 दिन के भीतर सुरक्षा जमा के लिए रु. 2,15,829.00 (दो लाख पंद्रह हजार आठ सो उनतीस रुपया मात्र) जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा दस्तावेज के पृष्ठ 16 पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs.2,15,829.00 (Rupees Two Lakh Fifteen Thousand Eight Hundred and Twenty Nine Only) towards Security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted as per conditions of Clause No - 1A page 16 of Clauses of the contract document.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन) केन्द्रीय नियमावली 1971 बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण वर्कर्स (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण अपकर अधिनियम 1996 जैसा कि निविदा के जीसीसी के पृष्ठ संख्या 68 पर धारा 19 में जीसीसी आफ निविदा निर्दिष्ट है तथा केंद्रीय और राज्य सरकारों के नियमों का अनुपालन करें।

You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules-1971 Child Labour (Prohibition & 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 On Page No.68 of GCC of Tender and rules of Central and State Governments.

5. आपको निदेश दिए जाते हैं कि आप प्रबंधक (अभी.-विद्युत)-I, भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाईअड्डा से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल हस्तान्तर करने की व्यवस्था करेंगे।

You are also directed to contact the Manager Engg (E)-I, AAI, B.P. International Airport, Bhubaneswar immediately, who will arrange to handover the site to you.

6. पया यह नोट कर लें कि काम पूरा करने का समय 04 (चार) महीने है, जिसे 01.05.2021 गिना जाएगा।

Please note that the time allowed for carrying out the work shall be Four Months and same shall be reckoned from 01.05.2021.

Cont...3

सहायक महाप्रबंधक अभियांत्रिकी (विद्युत)
Asst. General Manager Engg. (Elect.)

कार्यालय निदेशक, विमानपत्तन प्राधिकरण, अंतरराष्ट्रीय हवाई अड्डा, भुवनेश्वर-751020, फ़ोन-0674-2596300, फ़ैक्स-0674-2596317/302
Office of the Airport Director, B.P. International Airport, Bhubaneswar-751020, Phone: 0674-2596300, Fax: 0674-2596317/302

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
020125-1awsonadun817777

7. कृपया ध्यान दें कि त्रुटि की देयता अवधि कार्य पूरा होने की तारीख से बारह महीने की होगी।

Please note that the defect liability period shall be **Twelve Months** from the date of completion of work.

8. संविदा के संबंध में आगे किया जाने वाला पत्राचार सामान्यतः प्रभारी इंजीनियर से किया जाए।

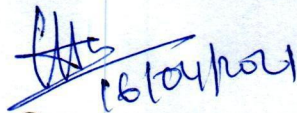
Any further correspondence in connection with the contract should normally be addressed to the Engineer - in - Charge.

9. कृपया इस पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप में विधिवत हस्ताक्षर करके हमें वापस भेजें।

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

धन्यवाद / Thanking you,

भवदीय / Yours Faithfully,



सहायक महाप्रबंधक (अभी. - विद्युत) / Asst.GM. Engg. (Elect.)-I

भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar

कृते अध्यक्ष, भाविप्रा, नई दिल्ली

संलग्न / Encl: 1. शिड्यूल ऑफ क्वान्टिटीज / Schedule of quantities.

Copy to :

N.O.O. (External) :

1. Labour Commissioner (Central), Kendriya Shrama Sadan, Plot no. N-7/6 & 7, IRC Village, Behind ISCON Temple, Nayapalli, Bhubaneswar - 15, Odisha.
2. Regional Provident Fund Commissioner, Vabisyanidhi Bhawan, Janpath, Unit IX, Bhubaneswar, Odisha.
3. The Regional Commissioner, Employee State Insurance Corporation, Panchadeep Bhawan, Janpath, Unit IX, Bhubaneswar, Odisha.

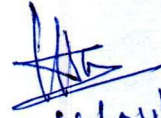


भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

विद्युत अभियांत्रिकी अनुभाग
ELECTRICAL ENGINEERING WING

आंतरिक /Internal :

1. विमानपत्तन निदेशक, भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The Airport Director, AAI, B.P. International Airport, Bhubaneswar.
2. संयुक्त महाप्रबंधक (वित्त व लेखा), भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The DGM. (F&A), AAI, B.P. International Airport, Bhubaneswar
3. प्रबंधक (अभि. - विद्युत)-I, भा.वि.प्रा., बी.प.अ. हवाई अड्डा, भुवनेश्वर।
The Manager (Engg. - Elect)-I, AAI, B.P. International Airport, Bhubaneswar
4. अनुबन्ध फाइल / Agreement Copy.
5. कार्य फाइल / The Works File.


16/04/2021

सहायक महाप्रबंधक (अभि. - विद्युत)/Asst.GM. Engg. (Elect.)-I
भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar
कृते अध्यक्ष, भाविप्रा, नई दिल्ली

Airports Authority of India
B.P.I. Airports, Bhubaneswar
Schedule of Quantity

Name of Work:- Installation of CT-EDs and in-Line X-RAY baggage screening system at B.P.I. Airport, Bhubaneswar. SH: Electrical Works.

Sl. No	Description of Work	Qty	Units	Rate	Amount
1	Supply of factory assembled ceiling suspended ductable split type AC with Air Cooled Condensing unit comprising of hermetic type scroll compressor, suitable for non-ozone depleting refrigerant gas R407C or equivalent, having microprocessor based control panel for operation & fault diagnosis of the system, suitable to operate on 3phase 415 volts 50 hz AC supply with following minimum capacity complete as required.				
a	11 TR	2	Each	145000.00	290000.00
2	Supply of refrigerant gas R407C or equivalent for gas charging.	18	Kg	700.00	12600.00
3	Supply of Interconnecting refrigerant copper pipe for Liquid / Gas line with proper nitrile rubber insulation (equivalent to Class O, closed-cell, elastomeric, nitrile rubber)				
a	Liquid line with Nitrile rubber insulation	30	Meter	400.00	12000.00
b	Gas line / suction line with Nitrile rubber insulation	30	Meter	500.00	15000.00
4	Supply of HDPE Drain pipe of minimum 25mm dia with nitrile rubber insulation required for drainage of condensate water from indoor unit	20	Meter	70.00	1400.00
5	Supply & fixing of MS structure stand suitable for installation of outdoor units of 11 TR ductable split type AC , breaking of concrete , grouting it on the floor , fixing the legs with cement concrete , including painting 2 coats of red oxide , 2 coats of enamel paint at site .etc. complete as per site condition and as per the direction of E-I-C.	300	Kg	150.00	45000.00
6	Installation, Testing & commissioning of 11TR ductable split AC including hanging of indoor unit from the ceiling, fixing of outdoor unit on MS structure stand, fixing of refrigerant pipe, drain pipe, power cable, control cable etc.	2	Job	10000.00	20000.00
7	Supply, installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
a	Site fabricated GSS sheet metal rectangular ducting as per IS 655-2006 for 0.63 mm thick	145	Sq.m	600.00	87000.00
b	Site fabricated GSS sheet metal rectangular ducting as per IS 655-2006 for 0.8mm thick	150	Sq.m	700.00	105000.00

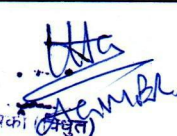
Sl. No	Description of Work	Qty	Units	Rate	Amount
8	Supplying and fixing of minimum 9mm thick closed cell Nitrile rubber, insulation, fire class: Class "O" on existing duct after applying suitable adhesive for Nitrile rubber. complete as per specifications and as per the direction of E-I-C.	295	Sq.m	450.00	132750.00
9	Supplying and fixing of minimum 10mm thick open cell Accoustic insulation fire class: Class "O" inside the existing duct after applying suitable adhesive for Nitrile rubber. Complete as per specifications and as per the direction of E-I-C.	30	Sq.m	400.00	12000.00
10	Supplying & fixing of powder coated extruded aluminum Supply Air Grills / Diffuser with aluminum volume control dampers as per specifications.	2	Sq.m	8000.00	16000.00
11	Supplying & fixing of powder coated extruded aluminum Return Air Grills/Diffuser but without volume control dampers as per specifications.	3	Sq.m	6500.00	19500.00
12	Supplying and fixing of 3mm thick closed cell Nitrile rubber, insulation, fire class: Class "O" on the existing perforated metal false ceiling, size 600x600mm after applying suitable adhesive for Nitrile rubber complete as per specifications.	36	Sq.m	200.00	7200.00
13	Supply of following sizes XLPE insulated copper conductor armoured cable for power & control wiring conforming to as per IS 7098 (Part 1) 1988 (Part 1) with up to date amendments for indoor and outdoor units.				
a	3 core 2.5 sq.mm	90	Meter	150.00	13500.00
14	Supply and fixing of Canvass Connection for Item No.-1 Ductable Split Unit as per specification.	2	Nos	1100.00	2200.00
15	Supply of split Air conditioner with all accessories, cordless remote & having minimum cooling capacity 4500 K Cal/hr (1.5 Ton) fitted with rotary /semi-hermetic compressor along with copper condenser unit operating on refrigerant gas R - 32 / R410/ Non CFC suitable for high wall mounting & suitable for operation on 230V, 50Hz, single phase AC supply capable of performing following functions; (i) Cooling (ii) Dehumidifying, (iii) Air Circulating, & (iv) Filtering. (Five star rating / Inverter type).	2	Each	30000.00	60000.00
16	ITC of 1.5 TR split Air conditioner, including fixing of indoor & outdoor units, connection and fixing of suitable refrigerant pipe, drain pipe & power cable, charging of refrigerant gas, leakage testing, etc. complete as required.	2	Each	1200.00	2400.00
17	Supply and fixing of Iron Angle stand suitable for installation of outdoor unit of 1.5 TR split air-conditioners including painting etc. complete as per site condition and as per the direction of E-I-C.	2	Each	900.00	1800.00
18	Supply and fixing of additional copper pipe (both suction and discharge) with nitrile rubber insulation suitable for 1.5tr split air conditioner from indoor unit to outdoor unit as per site condition and as per the direction of E-I-C.	20	Meter	600.00	12000.00

Sl. No	Description of Work	Qty	Units	Rate	Amount
19	Supply and fixing of additional 3C x 1.5 sqmm pvc insulated , PVC round sheathed copper cable as per IS 694:1990 , for 1.5 TR split air conditioners as per site condition and as per the direction of E-I-C.	20	Meter	80.00	1600.00
20	Supply and fixing of additional PVC drain pipe minimum 15mm dia on the wall / tray from indoor unit as per site condition and as per the direction of E-I-C.	50	Meter	100.00	5000.00
21	Supply of recess mounting 34 to 42 watt LED flat panel light fixture, having minimum system lumen 4320lm, size upto 600 x 600 mm, i/c necessary electronic driver, LED lamp suitable to operate on 230V,50Hz AC power supply with connector etc as per tender specifications complete as required. (Please refer technical specification)(crca body)	11	Each	3000.00	33000.00
22	Installation, testing and commissioning of pre-wired, fluorescent/ LED fittings of all types, complete with all accessories etc. fixing it in the false ceiling, and connection with 3C x 1.5 sqmm FR-LSH PVC Insulated copper wire as per IS 694:1990, in flexible pvc pipe of 20mm dia , 1 no Bakelite 10 Amp 3 Way Close Type connector, etc. as required. (minimum qty of wire to be supplied 7.5 metre)	11	Each	150.00	1650.00
23	SITC of following type Air curtain, made of CRC sheet 18 SWG duly powder coated, operation on 230 Volts 50 Hz , Blower made of aluminum, minimum Air velocity 15 m/s, minimum air throw 8 feet with suitable fixing arrangement on wall using angle iron frame duly painted, above the door/opening , along with automatic door sensor for AUTO ON/OFF such that whenever the door is opened the Air Curtain is ON and when the door is closed the Air Curtain is OFF Including required Power cable and plug top etc as Required				
a	minimum width 4 feet	3	Each	22000.00	66000.00
b	minimum width 5 feet	6	Each	24000.00	144000.00
24	Supply and fixing of following size wall mounting fan suitable for with 3/4 blades fan complete with motor, double ball bearing, minimum air delivery 95m3 per minute , smooth oscillation upto 60 degree or more, with speed regulator suitable for single phase 230 V 50 HZ, AC supply (minimum 2 years guarantee/ warranty),				
a	400mm sweep wall mounted fan	2	Each	2200.00	4400.00
25	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing , etc. as required. (But without MCB/RCCB/Isolator). (incomer 8way , outgoing 4 way per phase)				
a	4 way (8 + 12), Double door	1	Each	2600.00	2600.00

Sl. No	Description of Work	Qty	Units	Rate	Amount
26	Supply and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).				
a	8 way SPN, Double door	6	Each	1300.00	7800.00
27	Supplying and fixing of 4 way surface/ recess mounting, vertical type, 415 volts, TPN distribution board with MCCB incomer (40- 160amp capacity) inclusive of tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, detachable gland/knockout plate and with built in loose wire box and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper between busbar and MCB's , with 1 no 4 pole 100amp MCCB, Icu=25 KA or more breaking capacity , Ics=100% of Icu , variable thermal magnetic release as incomer , including 8 nos spreader terminals and 4 nos SS nut , bolt , spring washer set (Refer technical specifications)	1	Each	12000.00	12000.00
28	Supplying and fixing 6 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.				
a	Single pole	48	Each	150.00	7200.00
29	Supply and fixing of following type miniature circuit breaker, 230/ 415V, 10 kA, "C" curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	32Amp SPN MCB	6	Each	350.00	2100.00
b	40Amp TP MCB	2	Each	1000.00	2000.00
30	Supplying and fixing of 63amp , four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1	Each	2000.00	2000.00
31	Supplying and fixing 63amp, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1	Each	550.00	550.00
32	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium conductor power cable conforming to IS 7098 (Part 1) amended upto date.				
a	2C X 6Sq.mm	150	Meter	65.00	9750.00
b	4CX16 Sqmm	30	Meter	110.00	3300.00
c	3.5C X 50Sq.mm	50	Meter	200.00	10000.00
d	3.5C X 120 Sq.mm	40	Meter	450.00	18000.00

Sl. No	Description of Work	Qty	Units	Rate	Amount
33	Supplying and making end termination with brass compression gland and aluminium lugs for following size of XLPE insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade as required.				
a	2C x 6 sqmm	12	Nos	50.00	600.00
b	4C X 16 sqmm	4	Nos	100.00	400.00
c	3.5C X 35Sq.mm	4	Nos	100.00	400.00
d	3.5C X 50Sq.mm	4	Nos	150.00	600.00
e	3.5C X 120 Sq.mm	2	Nos	200.00	400.00
34	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	80	Meter	20.00	1600.00
b	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mmMS flat clamp)	20	Meter	40.00	800.00
c	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40 x3mm MS flat clamp) on wall / surface	10	Meter	60.00	600.00
35	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	220	Meter	30.00	6600.00
b	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp) on cable tray	30	Meter	40.00	1200.00
c	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40 x3mm MS flat clamp) on cable tray	30	Meter	50.00	1500.00
36	Supply and installation of GI case raceway having 1.5mm thick cover with necessary hardware including supply and fixing of bracket and coupling of size 38mm, and grouting to the floor in floor raceway system.				
a	300mm wide x 38mm depth (3 COMPARTMENTS)	39	Meter	2200.00	85800.00
37	Supply and installation of GI Junction box with adustable height 65 to 90 mm, of size 300mmx 300mm with 2.0 mm thick cover, and grouting to the floor in floor raceway system.	4	Each	2000.00	8000.00
38	Supply and installation of GI floor box with adustable height 65 to 90 mm, of size 300mmx 300mm, 4 compartment with support plates for power and data. and grouting to the floor in floor raceway system.	2	Each	5000.00	10000.00
39	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.				
a	300 mm width X 50 mm depth X 1.6 mm thickness	50	Meter	450.00	22500.00
b	150mm width X 50 mm depth X 1.6 mm thickness	150	Meter	350.00	52500.00

Sl. No	Description of Work	Qty	Units	Rate	Amount
40	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.				
a	300 mm width X 50 mm depth X 1.6 mm thickness	5	Each	1200.00	6000.00
b	150 mm width X 50 mm depth X 1.6 mm thickness	10	Each	600.00	6000.00
41	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.				
a	300 mm width X 50 mm depth X 1.6 mm thickness	5	Each	1200.00	6000.00
b	150 mm width X 50 mm depth X 1.6 mm thickness	10	Each	600.00	6000.00
42	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS 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	100	Meter	100.00	10000.00
b	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	150	Meter	150.00	22500.00
43	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	20	Meter	180.00	3600.00
44	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 25 amps modular socket outlet and 25 amps modular switch, connection etc. as required.	2	Nos	400.00	800.00
45	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 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	7	Nos	300.00	2100.00
46	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required				
a	6 module	8	Nos	300.00	2400.00
b	12 Module	6	Nos	400.00	2400.00
47	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	6 amps switch	24	Nos	60.00	1440.00
b	3 pin 6 amp socket outlet	15	Nos	70.00	1050.00
c	15/16 amp switch	22	Nos	90.00	1980.00
d	6 pin 6/16 amp socket outlet	22	Nos	110.00	2420.00


 सहायक महाप्रबंधक अभियंत्रिकी (विद्युत)
 Asst. General Manager Engg. (Elect.)
 भा.वि.प्र./बीजू पटनायक अंतरराष्ट्रीय हवाई अड्डा
 AAI, Biju Patnaik International Airport
 भुवनेश्वर/Bhubaneswar-751005

Sl. No	Description of Work	Qty	Units	Rate	Amount
48	Supply, Installation, Testing and commissioning Digital grounding Device 240 kA 3 phase 4 wire Portable type with built in Low impedance equipment Grounding & bonding system. Provides 100% protection against lightning Surges, static charge, Noises, ESD, EPR and eliminates abnormal electrical disturbances which enter from power and other service lines and ensuring clear bonding potential (earth to Neutral voltage) less than 1.0V having a digital 6 digit lightening surge counter, self-health visual status indicator and in a Pre-wired pulverulent body painted metal enclosure to be connected in parallel to the power supply circuit, conforming to IEC, Ce Marked, CPRI tested & ISO 9000 & ISO 14001-2015 certified Make in India, Model: DS-Elite-MII-3P4-240.	1	Each	200000.00	200000.00
49	Supply, Installation, testing and commissioning of earth pits using CPRI tested advanced chemical earth rod made of k type copper tube of 2.5" dia, 10 fts long, 1.6 mm thick installed vertically or horizontally as per the site conditions complete with flanges, bends and top cover dully backfilled with ISO GEL earth enhancing compound/ other earth enhancing compound tested from NABL Accredited lab of 20kgs. along with heavy duty plastic inspection chamber including excavation & refilling, earth chamber, etc as required to be created in the Hard soil .	4	Nos	32000.00	128000.00
50	Supply and laying of 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut and bolt, spring washer, including cutting of concrete/floor/wall, 200mm deep, for laying of pipe. for down conductor including suitable clamps and other accessories from earth electrode to air terminal. Including repair of concrete surface .	160	Mtr	1200.00	192000.00
51	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	15	Meter	900.00	13500.00
52	Providing and fixing earth bus of 300mmx 50 mm X 5 mm copper strip with 7 equidistant holes, 5 set brass nut bolt for connections mounted on surface on Female to female hexagonal insulator with bolts for fixing on wall.	2	Each	1000.00	2000.00
53	Supplying of following sizes of FRLS PVC insulated copper conductor, single core cable, grade 1100 volts, as per IS 694:1990				
a	1 x 10 sq. mm	50	Meter	40.00	2000.00
54	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
a	20 mm dia	50	Meter	100.00	5000.00
55	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	100	Meter	100.00	10000.00

Sl. No	Description of Work	Qty	Units	Rate	Amount
56	Supplying and fixing of 250 amp, four pole, MCCB, Icu=36 KA or more breaking capacity, Ics=100% of Icu, variable thermal magnetic release, including terminal spreaders, and extended rotary handle in the existing LT panel after dismantling/ removing the existing 125 amp 4 pole MCCB, complete with connections, bus bar modifications, testing etc. (Make : L& T, model DN2 250D, thermal release range 200 to 250 amp or equivalent)	1	Job	15000.00	15000.00
57	Supply and fixing of 4 pole 100 amp MCCB with Sheet steel, powder coated enclosure, IP30, including rotary handle, spreader terminals, 3 nos RYB led indicator, with Icu =30KA or more, breaking capacity Ics = 100% of Icu, variable thermal magnetic release complete with connections, , testing etc. (Make : L& T, model DU 100H, thermal release range 80-100 amp or equivalent)	1	Job	16000.00	16000.00
58	Dismantling of indoor electrical panel with one incomer and one change over switch, complete 3.5 core LT armoured aluminium power cables till the supply panel, installed at Baggage Handling System room including disconnection and safely shifting to store.	1	Job	4000.00	4000.00
59	Dismantling and Shifting of 40kva oil filled Servo Stabilizer, including disconnection of incoming and outgoing cable, end termination, earth connection etc. , shifting the same to AAI store.	1	No	300.00	300.00
60	Cutting, Dismantling and Re-installation of the existing AHU DUCT at BHS room above the false ceiling. The job includes fixing of new MS angles, channels, rods, anchor bolts and other accessories required for Re installation work.	2	Job	2000.00	4000.00

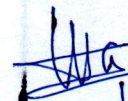

 सहायक महाप्रबन्धक अभियंत्रिका (विद्युत)
 Asst. General Manager Engg. (Elect.)
 श्री. बि. प्र. / बीजू पटनायक अंतरराष्ट्रीय हवाई अड्डा
 AAI, Biju Patnaik International Airport
 भुवनेश्वर/Bhubaneswar-751020

Sl. No	Description of Work	Qty	Units	Rate	Amount
61	Supply, Installation, Testing & Commissioning of indoor Type, IP 43 level protection, wall mounting type front access for operation & maintenance, fully cubical type compartmentalised, dust and vermin proof, corrosion free, shock proof, rust free, acid and chemical resistant, Sub main distribution board /TTA type panel suitable for 433 volts, 3 phase, 50 HZ A.C., 4 wire +E and including supply and fixing following switch gear and complete with copper bus bars having 250 Amps or more rating connections with side/bottom cabling box, metering box and separate earth bar & neutral bar etc complete as required conforming to IEC 61439 along with supply and fixing of MS channel frame duly and neatly painted on the wall for fixing the Panel. (a) Incoming: - 1 No. 36KA 250 AMP Four pole MCCB, with rotary handle, 1 set terminal spreader, lcs=lcu, variable Thermal, fixed magnetic based release b) ON and OFF indication light for incomer, RYB LED indication Light (c) 6A SP MCB for Instrument Protection-4 nos (d) Voltmeter & Ammeter Selector Switch- each 1 set (e) 1 no digital frequency meter, 1 digital Voltmeter, 1 nos digital Ammeter, 3 nos CT 250/5 (f) Outgoing:-4 Nos. 100A, Four Pole 25KA Four Pole MCCB, 1set terminal spreader for each outgoing, lcs=lcu, variable Thermal, fixed magnetic based release	1	Each	98000.00	98000.00

Total Rs. 2158290.00

GST Extra Applicable

(Rupees Twenty One Lakh Fifty Eight Thousand Two Hundred and Ninety Only)


16/04/2021
Asst.General Manager Engg(E)-I
AAI, B.P.I.Airport Bhubaneswar