



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ सं० : एएआई/इएनजीजी/ उप.महाप्रबंधक(इ-इ)/जीएचटी- सीडब्ल्यू -07/2020-21

दिनांक 28.08.2020

FILE NO. : AAI/ENGG/DGM(E-E)/GHT-CW-07/2020-21

DATE 28.08.2020

सेवा मे / To,

मैसर्स इंकोटेक इंजीनियर्स प्राइवेट लिमिटेड/ M/s Incotech Engineers Pvt. Ltd,
44/ 44, हिंदुस्तान पार्क / Hindusthan Park,
कोलकाता/ Kolkata – 700029, वेस्ट बंगाल/ West Bengal.

विषय/Subject:- Replacement of old LT panels, Feeder pillars and LT cables at LGBI Airport, Guwahati.

संदर्भ /Ref: 1) नि. सं व / NIT No.: AAI/ENGG/SM(E-E)/GHY/NIT-01/2020-21/625-32; Date : 19.06.2020.

(Tender ID-2020_AAI_50987_1)

2) टेंडर खुलने का दिनांक / Your tender opened on 05.08.2020

महोदय / Dear Sir,

- उपर्युक्त कार्य के लिए आपका इ टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 22,96,136.40 (रुपया बाईस लाख छियानबे हजार एक सौ छत्तीस और चालीस पैसा मात्र) (जी.एस.टी. रहित) है जो कि अनुमानित दर से 0.27 % प्रतिशत कम है, को एतद्वारा स्वीकार किया जाता है।
Your e-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. 22,96,136.40 (Rupees Twenty Two lakh Ninety Six Thousand One Hundred Thirty Six and Forty paise Only) exclusive of GST which is 0.27% BELOW the estimated cost put to tender of Rs. 23,02,433.00.
- उप. महाप्रबंधक (इंजी.-विद्युत), भा.वि.प्रा. लो.गो.ब.अ. हवाईअड्डा, गुवाहाटी-781 015, कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे अनुरोध है कि आप अपना प्रत्यायित प्रतिनिधि जिसे कि आप की ओर से संविदा करार पर हस्ताक्षर करने की शक्ति दी गई है को उप. महाप्रबंधक (इंजी.-विद्युत) के कार्यालय में करार पर हस्ताक्षर करने के लिए दिनांक 10.09.2020 तक नियुक्त करें। (संविदा करार रु 100/- के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपको ही वहन करनी होगी।)
Dy. General Manager (Engg.-E), AAI, LGBI Airport, Guwahati-781 015, shall be the Engineer-in-charge of the work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf to attend the office of the Dy. General Manager (Engg.-E) by 10.09.2020 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.
- आपके टेंडर से साथ प्राप्त बयाना राशि रु. 46,049.00 (रुपया छियालीस हजार उनचास मात्र) को संविदा दस्तावेज के अनुसार सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया इस पत्र के जारी होने के 15 दिन में सुरक्षा जमा के लिए रु 1,83,565.00 (रुपया एक लाख तिरासी हजार पाँच सौ पैसठ मात्र) जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज पृष्ठा 42 पर दी गई शर्त (Clause 1A) खण्ड Clause 13 के पृष्ठ 19 पर के अनुसार आपके बिल से काट दी जाएगी।
The earnest money amount of Rs. 46,049.00 (Rupees Forty Six Thousand and Forty Nine Only) in the form of Demand Draft received along with your tender will be treated and converted as part of security deposit as per NIT condition (13) on page 19 of the contract document. Please deposit Rs 1,83,565.00 (Rupees One Lakh Eighty Three Thousand Five Hundred Sixty Five Only) towards Security Deposit within 15 days from the date of issue of this letter, failing which, the same will be deducted from your bill as per the Clause 1A of condition of contract at page no. 42 of the contract document.

क्रमशः 2/-

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियमों 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिकों (रोजगार और सेवा की स्थिति का विनियमन) के प्रावधान का पालन करें।) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण अधिनियम 1996, जो कि केंद्र और राज्य सरकार के नियमों के जीसीसी निविदा, 19 के पेज नंबर 74 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 & 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 74 of GCC of tender and rules of Central and State Government..
5. आपको निर्देश दिए जाते हैं कि आप वरिष्ठ प्रबंधक (इंजी.-विद्युत), भा.वि.प्रा. लो.गो.ब.अ. हवाईअड्डा, गुवाहाटी-781 015, से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल सुपर्द करने की व्यवस्था करेंगे।
You are also directed to contact **Senior Manager (Engg.-E), AAI, LGBI Airport, Guwahati-781 015**, immediately who will arrange to handover the site to you.
6. कृपया यह नोट करें कि काम करने का समय **4 (चार) महीने** है जिसे इस पत्र के जारी होने की तारीख के दस **(10) दिन** बाद से गिना जाएगा।
Please note that the time allowed for carrying out the work is **Four (4) Months**, which shall be reckoned from the **10th day** of issue of this letter.
7. दोष दायित्व अवधि के अनुबंध के कार्यों के पूरा होने की तारीख से बारह **(12) महीने** है, संविदा दस्तावेज के अनुसार पृष्ठा **SPC(Elect)-5** के खण्ड **01** पर दी गई है।
Defect liability period of the contract is **TWELVE (12) MONTHS** from the certified date of completion of work as per clause No 01 of special conditions at page no- **SPC(Elect)-5** of contract document.
8. संविदा के संबंध में आगे किया जाने वाला पत्राचार समान्यतः 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 आदेश की प्रति को स्वीकार करें और स्वीकृति के एक टोकन के रूप में अधिसंख्यता पर हस्ताक्षर करने के बाद इसके साथ संलग्न इस पत्र की डुप्लिकेट प्रतिलिपि वापस करें।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

भवदीय / Yours faithfully,


-28.8.2020.

(B.N. Ghatare)

उप. महाप्रबंधक (इंजी.-विद्युत)

Dy.General Manager (Engg.-E)

कृते अध्यक्ष की ओर से

For and on behalf of Chairman

भारतीय विमानपत्तन प्रधिकरण

Airports Authority of India.

Encl : Schedule of Quantities.



Airports Authority of India
Elect. Engg. Wing
LGBI Airport, Guwahati-781015

Schedule of Quantity

Name of work: Replacement of old LT Panels, Feeder Pillars and LT Cables at LGBI Airport, Guwahati Airport		Qty.	Unit	Rate (Rs.)	Amount (Rs.)
Sl. No.	Description of Items				
1.00	FEEDER PILLAR Design, Fabrication, Supply, Installation, Testing & Commissioning of Outdoor type Feeder Pillar Panel (PTTA type construction) with enclosure protection class IP 54 of cubical construction , floor mounted, double door type with sloped roof, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection of switchgears with suitable size solid aluminium strip / copper conductor cable, accessories of switchgear like rotary handles, spreader terminals, phase barriers, auxillary relays/contacts etc, terminal blocks/power connectors (nut bolt type), control wiring, protection MCBs, common G.I earth bar of size 25mm X 5 mm at the rear with 2 Nos. earth studs etc. complete in all respect and as per specification with following switchgears and components suitable for operation on 415V, 3 phase, 50Hz AC Supply etc including base channel and necessary PCC pedestal complete as required INCOMING (i) 200A, 36kA (Ics=100% Icu rating), TP MCCB with neutral link - 01 No. (ii) Three phase Digital VAF Meter with inbuilt selector switch, three nos of CTs of 200/5A, 15 VA, Class 1.0 etc. - 01 set. (iii) Set of LED type indicating lamps for R,Y,B, ON, OFF & TRIP - 01 set BUSBARS Set of Aluminium Bus Bar of 300A rating - 01 Set OUTGOINGS (i) 100A, 25kA (Ics=100% Icu rating), TP MCCB with neutral link - 01 No. (ii) 63A, 25kA (Ics=100% Icu rating), TP MCCB with neutral link - 03 No. (iii) Set of 40A TPN, 'C' Curve, 10kA MCB with 40A TP contractor (NO-NC), ON-OFF digital timer, Auto/Manual selector switch for auto/manual operation of following outgoing street lighting feeders through busbar/connector arrangement (a) 20A TPN, 'C' Curve, 10kA MCB - 03 No. (b) 16A DP, 'C' Curve, 10kA MCB - 02 Set. (iv) 40A TPN, 'C' Curve, 10kA MCB with 10 to 40Amp Three phase KWH meter (direct type) etc - 01 Set (v) 32A TPN, 'C' Curve, 10kA MCB - 02 No.	1	Set	115815.00	115815.00
2.00	FEEDER PILLAR Design, Fabrication, Supply, Installation, Testing & Commissioning of Outdoor type Feeder Pillar Panel (PTTA type construction) with enclosure protection class IP 54 of cubical construction , floor mounted, double door type with sloped roof, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection of switchgears with suitable size solid aluminium strip / copper conductor cable, accessories of switchgear like rotary handles, spreader terminals, phase barriers, auxillary relays/contacts etc, terminal blocks/power connectors (nut bolt type), control wiring, protection MCBs, common G.I earth bar of size 25mm X 5 mm at the rear with 2 Nos. earth studs etc. complete in all respect and as per specification with following switchgears and components suitable for operation on 415V, 3 phase, 50Hz AC Supply etc including base channel and necessary PCC pedestal complete as required INCOMING (i) 160A, 36kA (Ics=100% Icu rating), TP MCCB with neutral link etc - 02 No. (ii) Three phase Digital VAF Meter with inbuilt selector switch, three nos of CTs of 150/5A, 15 VA, Class 1.0 etc. - 02 set. (iii) Set of LED type indicating lamps for R,Y,B, ON, OFF & TRIP - 02 set (iv) Mechanical Interlocking arrangement between incomers with 2 lock and 1 key - 1 set BUSBARS Set of Aluminium Bus Bar of 200A rating - 01 Set OUTGOINGS (i) 100A, 25kA (Ics=100% Icu rating), TP MCCB with neutral link - 01 No. (ii) Set of 63A TPN, 'C' Curve, 10kA MCB with 60A TP contractor (NO-NC), ON-OFF digital timer, Auto/Manual selector switch for auto/manual operation of following outgoing street lighting feeders through busbar/connector arrangement (a) 40A TPN, 'C' Curve, 10kA MCB - 01 No. (b) 20A TPN, 'C' Curve, 10kA MCB - 03 No. (b) 16A DP, 'C' Curve, 10kA MCB - 02 No. (iii) 63A TPN, 'C' Curve, 10kA MCB - 01 set (iv) 40A TPN, 'C' Curve, 10kA MCB with 10 to 40Amp Three phase KWH meter (direct type) etc - 01 Set (v) 32A DP, 'C' Curve, 10kA MCB with 5 to 30Amp Single phase KWH meter (direct type) etc - 01 Set	1	Set	121590.00	121590.00

Sl. No.	Description of Items	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
3.00	FEEDER PILLAR Design, Fabrication, Supply, Installation, Testing & Commissioning of Outdoor type Feeder Pillar Panel (PTTA type construction) with enclosure protection class IP 54 of cubical construction, floor mounted, double door type with sloped roof, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection of switchgears with suitable size solid aluminium strip / copper conductor cable, accessories of switchgear like rotary handles, spreader terminals, phase barriers, auxillary relays/contacts etc, terminal blocks/power connectors (nut bolt type), control wiring, protection MCBs, common G.I earth bar of size 25mm X 5 mm at the rear with 2 Nos. earth studs etc. complete in all respect and as per specification with following switchgears and components suitable for operation on 415V, 3 phase, 50Hz AC Supply etc including angle iron base with mounting legs (750mm height) and necessary PCC foundation complete as required INCOMING (i) 100A, 25kA (Ics=100% Icu rating), TP MCCB with neutral link - 01 No. (ii) Three phase Digital VAF Meter with inbuilt selector switch, three nos of CTs of 100/5A, 15 VA, Class 1.0 etc. - 01 set (iii) Set of LED type indicating lamps for R,Y,B, ON & OFF - 01 set BUSBARS Set of Aluminium Bus Bar of 200A rating - 01 Set OUTGOINGS (i) Set of 63A TPN, 'C' Curve, 10kA MCB with 60A TP contractor (NO-NC), ON-OFF digital timer, Auto/Manual selector switch for auto/manual operation of following outgoing street lighting feeders through busbar/connector arrangement (a) 32A TPN, 'C' Curve, 10kA MCB - 02 No. (b) 25A DP, 'C' Curve, 10kA MCB - 02 No. (ii) 32A TPN, 'C' Curve, 10kA MCB - 02 No. (iii) 25A DP, 'C' Curve, 10kA MCB - 02 No	2	Set	65100.00	130200.00
4.00	FEEDER PILLAR Design, Fabrication, Supply, Installation, Testing & Commissioning of Outdoor type Feeder Pillar Panel (PTTA type construction) with enclosure protection class IP 54 of cubical construction, floor mounted, double door type with sloped roof, fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection of switchgears with suitable size solid aluminium strip / copper conductor cable, accessories of switchgear like rotary handles, spreader terminals, phase barriers, auxillary relays/contacts etc, terminal blocks/power connectors (nut bolt type), control wiring, protection MCBs, common G.I earth bar of size 25mm X 5 mm at the rear with 2 Nos. earth studs etc. complete in all respect and as per specification with following switchgears and components suitable for operation on 415V, 3 phase, 50Hz AC Supply etc including angle iron base with mounting legs (750mm height) and necessary PCC foundation complete as required INCOMING (i) 63A, 25kA (Ics=100% Icu rating), TP MCCB with neutral link - 01 No. (ii) Three phase Digital VAF Meter with inbuilt selector switch, three nos of CTs of 60/5A, 15 VA, Class 1.0 etc. - 01 set. (iii) Set of LED type indicating lamps for R,Y,B, ON & OFF - 01 set BUSBARS Set of Aluminium Bus Bar of 100A rating - 01 Set OUTGOINGS (i) 40A TPN, 'C' Curve, 10kA MCB with Star/Delta Starter consisting of suitable ratings of TP contractors (3 Nos), ON-OFF timer, O/L relay, Single Phasing Preventor, ON/OFF Pushbuttons, ON/OFF LED indication lamps etc suitable for operation of 12.5HP Pumpset - 02 set (ii) 32A TPN, 'C' Curve, 10kA MCB - 01 set (iii) 16A DP, 'C' Curve, 10kA MCB - 01 set	2	Set	82425.00	164850.00

Sl. No.	Description of Items	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
5.00	LT METERING PANEL Design, Fabrication, Supply, Installation, Testing and Commissioning of LT Metering Panel (PTTA type construction) indoor type with enclosure protection class IP 42 of cubical construction , wall mounted type (front accessible only), fabricated out of 2mm thick CRCA sheet, compartmentalised with hinged lockable doors with inspection glass window for energy meter compartment, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, cable alley, interconnection of switchgears with suitable size copper conductor cable, accessories of switchgear like rotary handles, spreader terminals, phase barriers, auxillary relays/contacts etc, terminal blocks/power connectors (nut bolt type), control wiring, protection MCBs, common G.I earth bar of size 25mm X 5 mm at the rear with 2 Nos. earth studs etc. complete in all respect and as per specification with following switchgears and components suitable for operation on 415V, 3 phase, 50Hz AC Supply etc complete as required INCOMING (i) 160A, 36kA (Ics=100% Icu rating), TP MCCB with neutral link - 01 No. (ii) Three phase Digital VAF Meter with inbuilt selector switch, three nos of CTs of 150/5A, 15 VA, Class 1.0 etc. - 01 set. (iii) Set of LED type indicating lamps for R,Y,B, ON & OFF - 01 set BUSBARS Set of Aluminium Bus Bar of 200A rating - 01 Set OUTGOINGS (i) 63A TPN, 'C' Curve, 10kA MCB with 10 to 60Amp Three phase, 4 wire KWH meter (direct type) - 01 Set (ii) 40A TPN, 'C' Curve, 10kA MCB with 10 to 40Amp Three phase, 4 wire KWH meter (direct type) - 01 Set (iii) 25A TPN, 'C' Curve, 10kA MCB with 5 to 20Amp Three phase, 4 wire KWH meter (direct type) - 02 Set (iv) 32A DP, 'C' Curve, 10kA MCB with 5 to 30Amp Single phase KWH meter (direct type) - 05 Set (v) 40A TPN, 'C' Curve, 10kA MCB - 01 No. (vi) 32A DP, 'C' Curve, 10kA MCB - 01 No.	1	Set	78750.00	78750.00
6.00	STARTER PANEL Design, Fabrication, Supply, Installation, Testing and Commissioning of D.O.L Starter Panel indoor type with enclosure protection class IP 42 , wall mounting type, fabricated out of 2mm thick CRCA sheet, dust and vermin proof, powder coated of approved shade after 7 tank treatment process, interconnection of switchgears with suitable size copper conductor cable, auxillary relays/contacts, terminal blocks/power connectors (nut bolt type), control wiring, protection MCBs etc. complete in all respect and as per specification with following switchgears and components suitable for operation on 415V, 3 phase, 50Hz AC Supply etc complete as required INCOMING (i) 63A TPN, 'C' Curve, 10kA MCB - 01 No. (ii) LED type indicating lamps for R,Y,B - 01 set OUTGOING (i) 32A TPN, 'C' Curve, 10kA MCB with DOL Starter consisting of suitable rating TP contractor, O/L relay, Single Phasing Preventor, ON/OFF Pushbuttons, ON/OFF LED indication lamps etc suitable for 7.5HP Pumpset - 02 set	1	Set	40740.00	40740.00
7.00	Supply of following sizes LT power cables of 1.1 KV grade aluminium conductor XLPE insulated and PVC sheathed armoured cable confirming to IS 7098 Part I-1988 with upto date amendment as required.				
7.01	3.5C x 95 sq. mm.	490	Meter	323.40	158466.00
7.02	3.5C x 50 sq. mm.	100	Meter	196.35	19635.00
7.03	3.5C x 35 sq. mm.	225	Meter	161.70	36382.50
7.04	3.5C x 25 sq. mm.	215	Meter	127.05	27315.75
7.05	4C x 10 sq. mm.	1245	Meter	88.94	110730.30
8.00	Supply of following sizes of HDPE (High Density Polyethylene) pipe of grade PE80, PN6 ISI marked conforming to IS 4984:1995, complete as required.				
8.01	50mm (OD)	1200	Meter	94.25	113100.00
8.02	63mm (OD)	235	Meter	149.25	35073.75
9.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board (IP 43), 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing, finishing around the DB with cement plaster, putty, painting etc complete as required as per actual site requirements (But without MCB/RCCB/Isolator)				
9.01	8 way, Double door	5	Set	1372.00	6860.00
9.02	12 way, Double door	5	Set	1696.30	8481.50

Sl. No.	Description of Items	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
10.00	Supplying and fixing Cable End Boxes (IP 43) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, including finishing around the end box with cement plaster, putty, painting etc complete as required as per actual site requirements.				
10.01	For 8 way, Double door SPN MCB DB	4	Each	562.40	2249.60
10.02	For 12 way, Double door SPN MCB DB	4	Each	663.00	2652.00
11.00	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board (IP 43), 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing, finishing around the DB with cement plaster, putty, painting etc complete as required as per actual site requirements. (But without MCB/RCCB/Isolator)				
11.01	4 way (4 + 12), Double door	4	Set	2624.00	10496.00
11.02	6 way (4 + 18), Double door	1	Set	3220.00	3220.00
11.03	8 way (4 + 24), Double door	5	Set	3834.00	19170.00
12.00	Supplying and fixing Cable End Boxes (IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board (Horizontal Type), 415 volts, on surface/ recess, including finishing around the end box with cement plaster, putty, painting etc complete as required as per actual site requirements.				
12.01	For 4 way, Double door TPN MCB DB	3	Each	774.00	2322.00
12.02	For 6 way, Double door TPN MCB DB	1	Each	923.00	923.00
12.03	For 8 way, Double door TPN MCB DB	5	Each	1417.00	7085.00
13.00	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel (IP 43), dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer), finishing around the DB with cement plaster, putty, painting etc as required. as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
13.01	4 way (4 + 12), Double door	4	Set	4960.00	19840.00
13.02	8 way (4 + 24), Double door	7	Set	6167.00	43169.00
14.00	Supplying and fixing Cable End Boxes (IP 43) suitable for tripple pole and neutral, sheet steel, 4/8 way Vertical MCB distribution board, 415 volts, on surface/ recess including finishing around the end box with cement plaster, putty, painting etc complete as required as per actual site requirements.	7	Each	912.00	6384.00
15.00	Supplying and fixing 5 amps to 32 amps rating, single pole, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	358	Each	143.00	51194.00
16.00	Supplying and fixing following rating, double pole, 240 volts, 'C' curve MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
16.01	40 amps	7	Each	681.00	4767.00
16.02	63 amps	7	Each	681.00	4767.00
17.00	Supplying and fixing following rating, three pole, 240 volts, 'C' curve MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
17.01	40 amps	33	Each	1045.00	34485.00
18.00	Supplying and fixing following rating, four pole, 415 volts, 'C' curve MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
18.01	63 amps	17	Each	1050.00	17850.00
18.02	100 amps	6	Each	5456.00	32736.00
19.00	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	500	Each	52.00	26000.00
20.00	Supplying and fixing 100A, 25kA (Ics=100% Icu rating), TP MCCB and terminal spreaders in sheet steel enclosure suitable for wall mounting including accessories like rotary handle, spreader links, neutral link etc including drilling holes in cubicle panel and to be mounted on wall etc. complete as required.	1	Each	8058.00	8058.00
21.00	Fabrication, Supply and installation of 18 SWG MS sheet metal work for covering of open cable ducts / boxes etc as per actual site requirement including cutting, bending, drilling, fixing with screws etc complete with all accessories including painting as reqd.	20	Sq.m	988.00	19760.00

Sl. No.	Description of Items	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
22.00	Supply and fixing of side hinged-door fixed with base SMC junction Box of size 250mmx200mmx100mm (Loop-in-Loop-out Box) on the GI pole with suitable size MS clamp including providing & fixing 63A, 4Pole connector for loop in & loop out to terminate 2Nos, 4 core 10/16/25 sq. mm. armoured aluminum cable, 6Amp SP MCB 'C' curve in din rail, Interconnection etc. as required. (Make: Sintex: model no. JS-JB-2520 or its equivalent)	38	Set	2394.00	90972.00
23.00	Supply and fixing of side hinged-door fixed with base SMC junction Box of size 270mmx225mmx135mm (Loop-in-Loop-out Box) in ground including providing necessary angle iron legs (upto 750mm height) and concrete pedestal, providing & fixing 2 Nos of 63A, 4Pole connector for loop in & loop out to terminate 3Nos, 4 core 10/16/25 sq. mm. armoured aluminum cable, 6Amp SP MCB 'C' curve in din rail, Interconnection etc. as required. (Make: Sintex: model no. JS-JB-3126 or its equivalent)	1	Set	4410.00	4410.00
24.00	Supply and fixing of 63A, 4Pole heavy duty power connector/stud (nut & bolt type) for loop in & loop out to terminate 2Nos, 4 core 10/16/25 sq. mm. armoured aluminum cable, 6Amp SP MCB 'C' curve in din rail, interconnection etc.in the existing octagonal pole	52	Set	3600.00	187200.00
25.00	Supply and fixing of following ratings of Three Pole Power contactor with auxillary contacts (min 1NO+1NC), 230V AC 50Hz coil etc on the existing APFC panel including interconnection between MCB, contactor & capacitor with required length of suitable size single core copper wire, termination with copper lugs etc complete as required				
25.01	45A (AC3 rating at 415V), Three Pole Power Contactor (Make : Siemens 3TF4602-0A..ZA01)	5	Each	4604.00	23020.00
25.02	22A (AC3 rating at 415V), Three Pole Power Contactor (Make : Siemens 3TF3300-0A)	2	Each	1087.00	2174.00
25.03	12A (AC3 rating at 415V), Three Pole Power Contactor (Make : Siemens 3TF3110-0A)	2	Each	810.00	1620.00
26.00	Supplying of 300 mm width X 50 mm depth X 1.6 mm thickness perforated Hot Dipped Galvanised Iron cable tray with perforation not more than 17.5% in convenient sections including accessories like bend etc complete as required.	50	Meter	404.00	20200.00
27.00	Installation of perforated Galvanised Iron cable tray of following sizes including providing connectors, M.S angles/threaded rod supports for fixing on wall/ceiling including G.I. bolts & nuts, anchor fastners, painting of supports etc as required. (Supply of cable tray is excluded)				
27.01	450 mm width X 50 mm depth X 2.0 mm thickness	15	Meter	210.00	3150.00
27.02	300 mm width X 50 mm depth X 1.6 mm thickness	50	Meter	168.00	8400.00
27.03	150 mm width X 50 mm depth X 1.6 mm thickness	75	Meter	126.00	9450.00
28.00	Installation of departmentally supplied PVC Cable Management System upto 100mm width with base and lid along with accessories for fixing on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.	50	Meter	63.00	3150.00
29.00	Laying of DWC/HDPE (High Density Polyethylene) upto 110mm dia duct direct in ground up to a depth of 75 cm including cutting, providing accessories like couplers and adhesive/solvent for jointing, excavation and refilling the trench etc. complete as required.	1125	Meter	100.00	112500.00
30.00	Laying of DWC/HDPE (High Density Polyethylene) upto 110mm dia duct under hard/concrete/bituminous surface upto a depth of 45cm including cutting, providing accessories like couplers and adhesive/solvent for jointing, dismantling/breaking all types of surfaces, refilling the trench, repairing and finishing the top surface of excavated area with 6" thick cement concrete etc. complete as required.	370	Meter	42.00	15540.00
31.00	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 pipe/covered cable trench as required.				
31.01	Upto 35 sq.mm.	1270	Meter	23.00	29210.00
31.02	Above 35 sq. mm and upto 95 sq. mm	350	Meter	44.00	15400.00
31.03	Above 185 sq. mm and upto 400 sq. mm	75	Meter	105.00	7875.00
32.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.				
32.01	Upto 35 sq.mm.	180	Meter	26.00	4680.00
32.02	Above 35 sq. mm and upto 95 sq. mm	25	Meter	47.00	1175.00
32.03	Above 185 sq. mm and upto 400 sq. mm	10	Meter	105.00	1050.00
33.00	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 / wall surface as required.				
33.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	135	Meter	26.00	3510.00
33.02	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	185	Meter	47.00	8695.00
33.03	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	165	Meter	105.00	17325.00
34.00	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.				
34.01	4 x 10/16 sq. mm.	5	Set	1680.00	8400.00

Sl. No.	Description of Items	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
35.00	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.				
35.01	3.5 x 240 Sqmm.	4	Set	1293.00	5172.00
35.02	3.5 x 120 Sqmm.	1	Set	727.00	727.00
35.03	3.5 x 95 Sqmm.	6	Set	656.00	3936.00
35.04	3.5 x 50 Sqmm.	5	Set	373.00	1865.00
35.05	3.5 x 35 sq. mm.	14	Set	361.00	5054.00
35.06	3.5 x 25 sq. mm.	32	Set	258.00	8256.00
35.07	4 x 16 sq. mm.	22	Set	248.00	5456.00
35.08	4 x 10 sq. mm.	60	Set	225.00	13500.00
35.09	2 X 35 sq. mm	2	Set	241.00	482.00
35.10	2 X 25 sq. mm	2	Set	231.00	462.00
35.11	2 X 16 sq. mm	7	Set	166.00	1162.00
35.12	2 X 10 sq. mm	3	Set	163.00	489.00
36.00	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	12	Set	5796.00	69552.00
37.00	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.	90	Meter	483.00	43470.00
38.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	60	Meter	133.00	7980.00
39.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	1830	Meter	23.00	42090.00
40.00	Retrieving of one number PVC/XLPE insulated and PVC sheathed aluminium conductor armoured cable of grade not exceeding 1.1KV of cable size not exceeding 400 Sq.mm from the existing open duct / covered trench / RCC pipe / GI pipe, including removal of terminations, shifting and handing over of dismantled items to AAI store/dismantled store etc upto a distance not more than 250 mtrs.	150	Meter	42.00	6300.00
41.00	Dismantling of existing Feeder Pillars of all types and sizes from its location i/c removal of cable termination, shifting and handing over to AAI store/dismantled yard upto a distance not more than 250 mtrs.	4	Job	1050.00	4200.00
42.00	Dismantling of existing MCB Distribution boxes of all types (SPN/TPN Horizontal/vertical upto 12way) from its location i/c removal of loose wire box (if reqd), MCBs, cable termination, filling excess gaps with cement concrete and finishing the same with plastering, shifting and handing over of dismantled items to AAI store/dismantled store etc upto a distance not more than 250 mtrs.	28	Job	420.00	11760.00

Total Rs. (excl. GST) 22,96,136.40

(Rupees Twenty Two Lakh Ninety Six Thousand One Hundred Thirty Six and Forty paise Only excluding GST)

Note : Applicable GST shall be paid extra on production of valid tax invoice.

[Signature]
28.8.2020
Dy. General Manager (Engg-Elect)
AAI, LGBI Airport, Guwahati

Signature Not Verified

Digitally signed by ARUNKUMAR
KRISHNANACHARI
Date: 2020.09.02 14:18:41 IST
Location: eProcurement System for
Central PSUs