



संख्या / No: AAI/BD/SM(E-E)/CW-03/2021-22/ 167/2301

दिनांक / Date: 07/03/2022

सेवा मे / To,

M/s. Youngmen Traders,
P-27/1, Rastraguru Avenue,
Dum Dum, Kolkata – 700028
E-Mail: bozeranjan@hotmail.com

विषय/Subject: Extension of Terminal Building under Phase-III at Bagdogra Airport. (SH: Electrical and Mechanical Works). SH-II: SITC of LT Panels, Supply and laying of cables and IE works.

संदर्भ / Ref : 1) E-Tender ID No.: 2022_AAI_103733_1

प्रिय महोदय / Dear Sir(s),

1. उपर्युक्त कार्य हेतु आपका ऑफर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए गए मद मूल्यों पर आपकी ऑफर राशि कुल रु. 39,76,475.00 (रुपये उनचालीस लाख छिहत्तर हजार चार सौ पचहत्तर मात्र) जी.एस.टी. के सिवा, जो कि टेंडर की न्यायोचित निविदा राशि रु. 58,14,812.00 से 31.61% (इकतीस दशमलव छह एक प्रतिशत) नीचे है।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 39,76,475.00** (Rupees Thirty Nine Lakhs Seventy Six Thousand Four Hundred and Seventy Five only) excluding GST, which is 31.61% (Thirty One Point Six One percent) below the Justified Cost of Rs. 58,14,812.00 (excluding GST).

2. वरिष्ठ प्रबंधक (अभि.-विद्युत), भा.वि.प्रा., बागडोगरा हवाईअड्डा, बागडोगरा-734421, इस कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे निवेदन है कि आपकी ओर से आप अथवा आपके द्वारा अधीकृत प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक **21.03.2022** तक वरिष्ठ प्रबंधक (अभि.-विद्युत) के कार्यालय में करार पर हस्ताक्षर करने एवं उसको पूरा करने हेतु उपस्थित हो। ठेके का करारनामा रु. **100/-** (रुपया एक सौ मात्र) के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा तथा स्टाम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।

Senior Manager (Engg.-Elect.), AAI, Bagdogra Airport, Bagdogra-734421 shall be the Engineer-in – Charge of the work. You are requested to attend the office of Senior Manager (Engg. -Elect.), AAI, Bagdogra Airport, Bagdogra – 734421 by **21.03.2022** 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.

3. आपके निविदा से साथ प्राप्त बयाना राशि रु. 1,16,296.00 (रुपया एक लाख सोलह हजार दो सौ छियानबे मात्र) को संविदा दस्तावेज के पृष्ठा 16/139 पर दी गई क्लस जि.सि.सि. 1(ए) के अनुसार सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपा इस पत्र के 10 दिन में सुरक्षा जमा के लिए रु. 2,81,352.00 (रुपया दो लाख इक्यासी हजार तीन सौ बावन मात्र) जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज के पृष्ठा 16/139 पर दी गई क्लस जि.सि.सि. 1(ए) के अनुसार आपके रनिंग बिल से काट ली जाएगी।

The earnest money amount of Rs. 1,16,296.00 (Rupees One Lakh Sixteen Thousand Two Hundred and Ninety-Six only) received along with your tender has been converted as part of security deposit as per GCC clause 1(A) on page GCC 16 of 139 of the contract document. Please deposit Rs. 2,81,352.00 (Rupees Two Lakhs Eighty-One Thousand Three Hundred and Fifty-Two only) towards Security Deposit within 10 days from issue of this letter, failing which, the same will be deducted from your running bills as per GCC clause 1(A) on page GCC 16 of 139 of the contract document.

4. आपसे निवेदन है कि आप केंद्रीय और राज्य सरकारों 1970 के अधिनियम श्रम अनुबंध नियम तथा 1971 के केंद्रीय नियम (नियमन तथा उन्मूलन) एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन अवश्य करें।

You are requested to comply with the provision of Contract Labour (Regulation & Abolition) Act 1970 and Contract Labour (Regulation & Abolition) Central Rules 1971 and minimum wages act and rules thereof Central and State Governments.

5. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमत समय 05 (पांच) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10वें दिन से की जाएगी।

Please note that the time allowed for carrying out the work shall be 05 (Five) months and same shall be reckoned from the 10th day after issue of this letter.

6. आपको निर्देश दिया जाता है कि आप तुरंत वरिष्ठ प्रबंधक (अभि.-विद्युत), भा.वि.प्रा., बागडोगरा हवाईअड्डा, बागडोगरा-734421 से मिले वह आपको साईट सौंपने की व्यवस्था करेंगे।

You are directed to contact with the Senior Manager (Engg. -Elect.), AAI, Bagdogra Airport, Bagdogra-734421 who will arrange to hand over the site to you.

7. इस ठेके के संबंध में आगे का कोई भी पत्राचार इंजीनियर-इन-चार्ज को किया जाएगा।

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

8. कृपया पावती भेजे और स्वीकृति प्रतिलिपि के तौर पर संलग्नित पत्र की हस्ताक्षरित प्रति इस कार्यालय को अवश्य भेजे।

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 अंग्रेजी और हिन्दी पाठ में कोई असंगति पाया जाता है तो अंग्रेजी पाठ को सही माना जाएगा।

If there is any discrepancy between English and Hindi then meaning derived in English will be given precedence.

संलग्न/Encl : i) Schedule of work.

निष्ठापूर्वक/Yours faithfully,

(शुभ्र शान्त घोष /Subhra Santa Ghosh) 07/03/22

वरिष्ठ प्रबंधक (अभि.-विद्युत),

Senior Manager (Engg. -Elect.),

ए.ए.आई./बागडोगरा विमानतल

AAI, Bagdogra Airport.

सिलिगुड़ी-734421/Siliguri-734421

**AIRPORTS AUTHORITY OF INDIA
ENGINEERING ELECTRICAL WING
BAGDOGRA AIRPORT
SCHEDULE OF QUANTITY**

Name of Work: Extension of Terminal Building under Phase-III at Bagdogra Airport. (SH: Electrical and Mechanical Works). SH-II: SITC of LT Panels, Supply and laying of cables and IE works.

Sl. No.	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1	SITC of LT Panel conforming to IS 8623 / IEC 60439 PTTA type & shall be of Form-3b construction with following mentioned and complete in all respect and as per technical specifications. a)Supply, Installation, Testing and Commissioning of cubicle type LT panel, (minimum IP42 protection) for indoor application, suitable for 415V+/-10%, 3 Phase, 4 wire 50 Hz AC supply system, fabricated in compartmentalized modular design from CRCA sheet steel of minimum 2 mm thick for frame work and covers, 3 mm thick for gland plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having TPN Aluminium alloy bus bars for high conductivity, DMC/SMC bus bar supports, with short circuit withstand capacity as per design subject to minimum 50 KA for 1 sec , bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common Copper earth bus bar of size as per IS 3043 subject to minimum 50 mm x 6 mm at the rear with 2 Nos. earth stud, solid / flexible connections from main earth bus bar to switchgears with required size of Cooper conductor and control wiring with 2.5 sqmm PVC insulated copper conductor cable (FRLS), cable alleys, cable gland plates in two half, including provision of SPD's. Surge Protection Devices (SPD'S) shall be provided to LT Panel (Type 2 / Class C), i/c providing following switchgears / accessories as per specifications. Bus-Bar: TPN aluminium extensible type main bus bars of minimum 300 Amps. capacity with heat shrinkable coloured sleeves having 100% neutral bus as that of phase i/c DMC / SMC bus bars supports at required intervals complete for cross section, size supports & having spacing etc. for withstanding fault level of 50kA capacity for 1 sec. b)Incomer: 2(Two) Nos MCCB(Ics=100% Icu), 250 Amps, 4 Pole, min 35 kA with adjustable setting, Microprocessor Based with adjustable Overload, Short Circuit and In-Built Earth Fault Protection, including connections etc as required. 3(Three)Nos. LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. Intelligent multi function digital meter to read V,A,kVA, KW, kVAR, PF, Hz etc , LED display with required Nos CTs, 250 / 5,15 VA, class 1.0 and control circuit wiring with 2 Amp MCB for controlling. c)Buscoupler: 1 No MCCB(Ics=100% Icu), 250 Amps, 4 Pole, min 35 kA with adjustable setting, Microprocessor Based with adjustable Overload, Short Circuit and In-Built Earth Fault Protection,including connections etc as required. 3(Three)Nos. LED type, LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. d)Outgoing:- i) 02 Nos MCCB(Ics=100% Icu),125 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection,including connections etc as required. ii)03 Nos MCCB(Ics=100% Icu), 100 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required. iii)04 Nos MCCB(Ics=100% Icu), 63 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required. iv) 1 Nos MCCB(Ics=100% Icu), 40 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required. Note: a) ON, OFF & TRIP indication lamp(1 each LED type) with 2 Amp SP MCB for each incoming/outgoing. b) 1 Set Rotary operating mechanism for all MCCBs c) Terminal extension spreaders for MCCBs above 63A c)All Incoming,Buscoupler,Outgoing shall have door lock arrangement with MCCB. d)All outgoing shall have minimum 96mm*48 mm digital ammeter with selector switch,Suitable CT. e)All Incomers and buscoupler must have electrical & mechanical interlocking arrangement as suitable. f)Panel should be complete in all respect to be installed and comissioned at site.	1	Job	425000	425000

Sl. No.	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
2	SITC of LT Panel conforming to IS 8623 / IEC 60439 PTTA type & shall be of Form-3b construction with following mentioned and complete in all respect and as per technical specifications. a)Supply, Installation, Testing and Commissioning of cubicle type LT panel, (minimum IP42 protection) for indoor application, suitable for 415V+/-10%, 3 Phase, 4 wire 50 Hz AC supply system, fabricated in compartmentalized modular design from CRCA sheet steel of minimum 2 mm thick for frame work and covers, 3 mm thick for gland plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having TPN Aluminium alloy bus bars for high conductivity, DMC/SMC bus bar supports, with short circuit withstand capacity as per design subject to minimum 50 KA for 1 sec , bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common Copper earth bus bar of size as per IS 3043 subject to minimum 50 mm x 6 mm at the rear with 2 Nos. earth stud, solid / flexible connections from main earth bus bar to switchgears with required size of Cooper conductor and control wiring with 2.5 sqmm PVC insulated copper conductor cable (FRLS), cable alleys, cable gland plates in two half, including provision of SPD's. Surge Protection Devices (SPD'S) shall be provided to LT Panel (Type 2 / Class C), i/c providing following switchgears / accessories as per specifications. Bus-Bar: TPN aluminium extensible type main bus bars of minimum 250 Amps. capacity with heat shrinkable coloured sleeves having 100% neutral bus as that of phase i/c DMC / SMC bus bars supports at required intervals complete for cross section, size supports & having spacing etc. for withstanding fault level of 50kA capacity for 1 sec. b)Incomer:- 2 Nos MCCB, 200 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection,including connections etc as required. 3(Three)Nos. LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. Intelligent multi function digital meter to read V,A,kVA, KW, kVAR, PF, Hz etc , LED display with required Nos CTs, 200 / 5,15 VA, class 1.0 and control circuit wiring with 2 Amp MCB for controlling. c)Buscoupler:- 1 No MCCB(Ics=100% Icu), 200 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have Variable Thermal (O/L) & Variable Magnetic (S/C) protection,including connections etc as required. 3(Three)Nos. LED type, LED type, R,Y,B Phase indicating lamp with 2 Amp MCB for controlling. d)Outgoing:- i) 04 Nos MCCB(Ics=100% Icu), 63 Amps, 4 Pole, min 35 kA with adjustable setting ,Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required. ii) 06 Nos MCCB(Ics=100% Icu), 40 Amps, 4 Pole, min 35 kA with adjustable setting , Thermal Magnetic release shall have fixed Thermal (O/L) & fixed Magnetic (S/C) protection,including connections etc as required. Note: a) ON, OFF & TRIP indication lamp(1 each LED type) with 2 Amp SP MCB for each incoming/outgoing. b) 1 Set Rotary operating mechanism for all MCCBs c) Terminal extension spreaders for MCCBs above 63A c)All Incoming,Buscoupler,Outgoing shall have door lock arrangement with MCCB. d)All outgoing shall have minimum 96mm*48 mm digital ammeter with selector switch,Suitable CT. e)All Incomers and buscoupler must have electrical & mechanical interlocking arrangement as suitable. f)Panel should be complete in all respect to be installed and comissioned at site.	1	Job	375000	375000
3	Supply of following size XLPE insulated and PVC sheathed aluminium conductor armoured Power Cable of 1.1KV grade, confirming to IS 7098, Part-I 1988 with up to date amendments and confirming to technical specifications.(The outer sheath shall be FRLS.)				
3.1	3.5 CORE 185 sq.mm.	1300	Meter	850	1105000
3.2	3.5 CORE 50 sq.mm.	450	Meter	295	132750
3.3	4 CORE 25 sq.mm.	1100	Meter	195	214500
4	Supply of surface/recessed type 2' x 2' (minimum 36W) LED type downlighter suitable to operate on 140-270 V, 50 Hz, AC supply having Extruded aluminium/CRCA/standard alloy housing ,with minimum IP-20 protection,having efficacy of min 100 lm/W, complete with all types of accessories and driver ready to be installed at site as per Technical Specifications attached.	179	Each	1400	250600

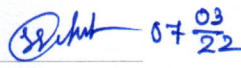
Sl. No.	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
5	Supply of LED type flood light (minimum 150 watt) luminaire suitable to operate on 140-270 V, 50 Hz, AC supply having Extruded aluminium/CRCA/standard alloy housing, with minimum IP-65 protection, having efficacy of min 110 lm/W, complete with all types of accessories, mounting device and driver ready to be installed at site as per Technical Specifications attached.	15	Each	4500	67500
6	Installation, testing and commissioning of pre-wired, LED downlighter / flood light of all types, complete with all accessories 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.	194	Each	100	19400
7	Dismantling of existing light fitting of various wattage / ceiling fan and keeping the same in AAI store (within 50 Mtr. distance) as per site condition and as directed by E.I.C.	223	Each	35	7805
8	Supply of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. (Colour of fans to be approved by EIC).	129	Each	2300	296700
9	Supply of ceiling mounted exhaust fan having min sweep dia 130 mm, min air delivery 150 m³/h suitable for single phase AC operation, complete with all accessories as required and ready to be installed at site.	8	Each	3500	28000
10	Providing and fixing of suitable size rigid PVC pipe on wall/ above false ceiling with suitable clamping/support for outlet of ceiling mounted exhaust fan as per site conditions and as directed by EIC. (for BOQ SI No 9)	30	Meter	300	9000
11	SITC of single door panel board made out of CRCA sheet steel (conforming to IS 8623, IEC :60439) with provision of FP MCCB as incomer (1 No) & outgoing (4 Nos.) in following configuration including cable alley, basic analog metering module, basic indication module, busbars etc. with all types of accessories complete in all respect as per technical specifications and ready to be commissioned at site.				0
11.1	(i) Incoming MCCB : FP, 100 A, 35 KA Ics= 75% Icu (min) - 01 No. (ii) Outgoing MCB: FP, 25 A, 25 KA Ics=50% Icu (min) - 03 No. and FP, 63 A, 25 KA Ics=50% Icu (min) - 01 No.	1	Each	65000	65000
11.2	(i) Incoming MCCB : FP, 100 A, 35 KA Ics= 75% Icu (min) - 01 No. (ii) Outgoing MCB: FP, 32 A, 25 KA Ics=50% Icu (min) - 04 No.	1	Each	65000	65000
12	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	24	Point	900	21600
13	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. Group C	61	Point	650	39650
14	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				0
14.1	3 x 2.5 sq. mm	100	Meter	130	13000
14.2	3 x 4 sq. mm	300	Meter	175	52500
14.3	3 x 6 sq. mm	125	Meter	225	28125
14.4	6 x 6 sq. mm	22	Meter	400	8800
15	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.				0
15.1	20 mm	100	Meter	90	9000
15.2	25 mm	475	Meter	115	54625
15.3	32 mm	22	Meter	160	3520
16	Supplying and fixing metal box of 200 mm X 150 mm X 75 mm (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.	10	Each	125	1250
17	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				0
17.1	Telephone socket outlet	4	Each	110	440
17.2	Bell push	2	Each	115	230
18	Supplying and fixing 1 or 2 Module (75mmX75mm), GI box alongwith modular base & cover plate for modular switches in recess etc as required.	6	Each	150	900

Sl. No.	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
19	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	9	Each	325	2925
20	Supplying and fixing suitable size GI box with modular plate and cover in FRLSont on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	9	Each	350	3150
21	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	2	Each	150	300
22	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	129	Each	125	16125
23	Supplying and fixing extra down rod of 10 cm length G.I. pipe ,15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	129	Each	30	3870
24	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providng and fixing 2 nos. 3 pin 5/6 amps modular socket outlets and 2 nos 5/6 amps modular switches, connection etc. as required. (For light plugs to be used in non residential buildings).	6	Each	450	2700
25	Providing and fixing following rating and breaking capacity MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				0
25.1	4 Pole 32 A Ics=100% Icu at 415V	5	Each	1400	7000
25.2	4 Pole 50 A Ics=100% Icu at 415V	2	Each	1400	2800
25.3	4 Pole , 100 A Ics=100% Icu at 415V	3	Each	1600	4800
26	Supplying and fixing 8 way, double door single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	1	Each	830	830
27	Supplying and fixing 8 way (4 + 24), Double door , 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)	2	Each	2600	5200
28	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, 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'/MCCB) as required .				0
28.1	4 way (4 + 12), Double door, suitable for MCCB Incoming	6	Each	5500	33000
28.2	8 way (4 + 24), Double door, suitable for MCCB Incoming	1	Each	6325	6325
29	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0
29.1	Single pole	100	Each	98	9800
29.2	Single pole and neutral	2	Each	325	650
29.3	Triple pole	6	Each	565	3390
29.4	Triple pole and neutral	4	Each	745	2980
30	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	20	Each	12	240
31	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	4	Each	610	2440
32	Supplying and installing 450 mm width X 62.5 mm depth X 2.0 mm thickness of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	152	Meter	1100	167200
33	Supplying and installing 450 mm width X 62.5 mm depth X 2.0 mm thickness of perforated painted with powder coating M.S. cable tray bends with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nut painting suspenders etc as required.	10	Each	2500	25000
34	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 metre long etc. with charcoal/ coke and salt as required.	8	Set	5500	44000
35	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	56	Meter	115	6440
36	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.	11	Meter	475	5225

Sl. No.	Description of Items	Qty	Unit	Rate (Rs.)	Amount (Rs.)
37	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	66	Meter	95	6270
38	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				0
38.1	Upto 35 sq. mm	10	Meter	250	2500
38.2	Above 35 sq. mm and upto 95 sq. mm	10	Meter	260	2600
38.3	Above 95 sq. mm and upto 185 sq. mm	10	Meter	275	2750
39	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.				0
39.1	Upto 35 sq. mm	10	Meter	150	1500
39.2	Above 35 sq. mm and upto 95 sq. mm	10	Meter	160	1600
39.3	Above 95 sq. mm and upto 185 sq. mm	10	Meter	175	1750
40	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.				0
40.1	Upto 35 sq. mm	56	Meter	15	840
40.2	Above 35 sq. mm and upto 95 sq. mm	44	Meter	25	1100
40.3	Above 95 sq. mm and upto 185 sq. mm	108	Meter	30	3240
41	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.				0
41.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	533	Meter	25	13325
41.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	367	Meter	75	27525
41.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	15	Meter	80	1200
42	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp) on cable tray as required.	608	Meter	55	33440
43	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.				0
43.1	3½ X 50 sq. mm (35mm)	14	Each	325	4550
43.2	3½ X 185 sq. mm (57mm)	8	Each	750	6000
43.3	4 X 25 sq. mm (28mm)	40	Each	275	11000
44	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.				0
44.1	3½ X 50 sq. mm	6	Each	1500	9000
44.2	3½ X 185 sq. mm	6	Each	2500	15000
45	Providing laying, testing & commissioning of 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground/on surface including welding, excavation & providing cement concrete blocks as supports, anticorrosive treatment with coaltar/asphalt tape as per IS 10221, refilling the trench etc. of size 200 mm. dia (wall thickness = 6.3 mm) complete as required.	40	Meter	4500	180000
Total Rs.(Excluding GST):					39,76,475.00

(Rupees Thirty Nine Lakhs Seventy Six Thousand Four Hundred and Seventy Five only)

*Nore: GST will be paid on production of actual tax invoice as per prevailing rates Govt. of India


 Sr. Manager (Engg.-Elect.)
 AAI, Bagdogra Airport,
 Siliguri-734421