

भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAI/CA/AMED-VII/Remote Bay PH/2023/A- 06

Date: 30.06.2023.

To

M/s. VK Sam Engineering.,
No.5, Rajiv Gandhi Nagar,
Ekkaduthangal,
Chennai - 600 032.

Sub: Replacement of Power Supply System Installations at Remote Bay Power House.

Ref: Tender ID: 2023_AAI_152454_1

Tender Ref. No.: AAI/CHE/AMED-VII/2023/02

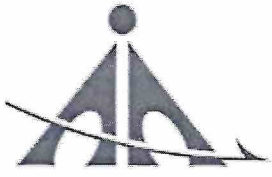
Dear Sir(s),

1. Your e-Tender for the above mentioned work is hereby accepted by the Competent Authority on behalf of Chairman, Airports Authority of India, at the items rates quoted by you totaling to **Rs. 2,25,36,250.00** (Rupees Two Crores Twenty Five Lakhs Thirty Six Thousand Two Hundred Fifty Only) which is 22.97% below the Justified Cost of **Rs. 2,92,57,995.00** (Rupees Two Crores Ninety Two Lakhs Fifty Seven Thousand Nine Hundred Ninety Five Only) which is inclusive of all the taxes, duties, levies and octroi etc., Except GST which will be paid extra as applicable.
2. Joint General Manager (Engg. -Elect)-I, AMED, Operational Office, Airport Authority of India, Chennai Airport, Chennai-600 016 shall be the Engineer-In-Charge of the work. You are requested to attend the office of Joint General Manager (Engg -Elect)-I, AMED, AAI, Chennai Airport on or before **10.07.2023** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs.100/- (Rupees One Hundred Only) and the cost of the stamp paper shall be borne by you.
3. The earnest money amount of **Rs.5,85,160.00** (Rupees Five Lakhs Eighty Five Thousand One Hundred and Sixty Only) received along with your E-tender will be treated and converted as part of Security Deposit as per Clause 1A of General Conditions of Contract. Please deposit the balance amount of **Rs. 16,68,465.00** (Rupees Sixteen Lakhs Sixty Eight Thousand Four Hundred and Sixty Five Only) towards balance Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per Clause 1A of General Conditions of Contract.
4. You are also directed to contact the Joint General Manager (Engg-Elect)-I, Airport Maintenance Electrical Division, Operational Office, Airports Authority of India, Chennai Airport or his Authorised representative immediately for the execution of the above work.
5. 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, Building and other Construction Workers Welfare Cess Act 1996 as specified in clause No. 19 of GCC of AAI and rules of Central and State Governments.
6. Please note that the time allowed for carrying out the work shall be 6 (Six) Months which shall be reckoned from the 10th day of issue of this award letter.

Contd.....2

फैक्स: 044 - 2256 0008 ईपीएबीएक्स: 2256 0551, चेन्नईहवाईअड्डे, चेन्नई - 600 016.

Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai - 600 016.



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7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
8. 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.

Encl: Schedule of Quantities (Page No. 1 to 10)

Yours faithfully,


30/06/2023

(G.N.D. KENNEDY)

Jt. Gen. Manager (Engg - Elect)-I,
For and on behalf of the Chairman,
Airports Authority of India.



AIRPORTS AUTHORITY OF INDIA
CHENNAI INTERNATIONAL AIRPORT
CHENNAI - 600 016
SCHEDULE OF QUANTITY

Name of Work : Replacement of Power Supply System Installations at Remote Bay Power House.

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
1.00	SH-I : SUPPLY OF SUB STATION EQUIPMENTS.				
1.01	Supply of indoor type floor mounted metal clad, 11 KV HT VCB Panel with 8 Nos. VCBs of sheet steel, dust tight, vermin proof, fully interlocked, totally enclosed cubicle type floor mounting horizontal drawout, horizontal isolation type breaker as per IS 13118, IS/IEC 62271-100 & 200 as amended up to date and as per Technical specifications, free standing extensible on both sides, single break, suitable for indoor operation at 11 KV, 3 phase, 50 Hz AC system having short time rating for 3 Sec of 350 MVA rupturing capacity complete with self contained, Two incomers, 1 Bus coupler are Electrically and Mechanically interlocked, rack in rack out mechanism, air insulated but encapsulated Copper Bus Bars of capacity meeting fault level current, breaker featured with mechanical ON/OFF indicator with hand trip device and all accessories such as shunt trip coil, motorised and manually operated spring assisted closing mechanism, emergency trip push button, interconnections, space heaters, earthing, etc.. Separate earthing truck shall be provided for bus earthing and cable earthing. The earthing trucks shall be so designed that it is impossible to earth a live. And equipped with following switchgears and accessories, connections suitable for cable upto 3C x 300sqmm XLPE cable of 11KV grade (Cable entry from bottom end) to terminate with heat shrinkable joining material etc as required. (Note: Cost of end termination not included in this item)				
1.02	Incoming - 2 No of 630Amp VCB				
1.03	2 No -11 KV /110 Volts drawout type resin cast PT Class 1.0 accuracy and 100 VA burden with 1 No Digital type voltmeter, Digital Meter of Schnider Make, Model EM 6400NG with RS port (or) Equivalent for each incomer, LED Type Breaker ON/ OFF/ TRIP/ Service position/test position/Trip ckt healthy/spring charge indication Lamps, LED type Phase Indication Lamps and protection fuses/MCB for HT metering up to 12 KV on incomer.				
1.04	2 No - Ammeter digital type.				
1.05	2 No Microprocessor based numerical relay (Make: Schnider, Model: Model: REL15003D or equivalent) with O/L, E/F and S/C protection and 2 Nos of Master trip relays.				
1.06	2 No - set of dual core dual ratio 3 CTs 400/200/5/5A of 10 VA burden and accuracy class -1.0 for metering and class 5P10 for protection				
1.07	Outgoings for Transformer - 2 No of 400Amp VCB				
1.08	2 No - Digital Meter of Schnider Make, Model EM 6400NG with RS port/ Equivalent with provision of selection of PT signal for metering, LED Type ON/ OFF/ TRIP/ Service position/ test position/Trip ckt healthy/spring charge indication Lamps, LED Phase Indication Lamps and protection fuses/ MCB for HT metering up to 12 KV on incomer.				
1.09	2 No - Ammeter digital type.				
1.1	2 No Microprocessor based numerical relay (Make: Schnider, Model: Model: REL15003D or equivalent) with O/L, E/F and S/C protection and 2 Nos of Master trip relays.				
1.11	2 No - set of Auxiliary relays for Oil temperature, winding temperature and Bucholz alarm, trip.				
1.12	2 No - set of dual core dual ratio 3 CTs 200/100/5/5A of 10 VA burden and accuracy class -1.0 for metering and class 5P10 for protection.				
1.13	Outgoings - 3 No of 400Amp VCB				
1.14	3 No - Digital Meter of Schnider Make EM 6400NG with RS port/Equivalent with provision of selection of PT signal for metering, LED Type ON/OFF/TRIP/ Service position/test position/Trip ckt healthy/spring charge indication Lamps, LED Phase Indication Lamps and protection fuses/MCB for HT metering up to 12 KV on incomer.				
1.15	3 No - Ammeter digital type.				
1.16	3 No Microprocessor base numerical relay (Make: Schnider, Model: REL15003D or equivalent) with O/L, E/F and S/C protection and 3 Nos of Master trip relays.				
1.17	3 No - set of dual core dual ratio 3 CTs 300/150/5/5A of 10 VA burden and accuracy class -1.0 for metering and class 5P10 for protection				
1.18	Bus coupler 1No 630A VCB of 11 KV grade with suitable size adaptor box, Electrical and mechanical interlock, ON/OFF/Service position/test position/spring charge LED Indication Lamps etc. as required.				
1.19	All as above 1.01 to 1.18.	1	Job	52,00,000.00	52,00,000.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
2.00	Design, Fabrication and supply of cubical type LT Panel - type tested design as per IEC 61439-1 & 2 suitable for 415 V, 3 Phase, 4 wire 50 Hz AC supply, made out of 2 mm thick CRCA sheet steel for load bearing portions, frame work, 1.6mm thick with doors, covers, partitions, non-load bearing portions, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed, Form 4b compartmentalised design, floor mounting, free standing, extensible on both sides i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having 1600 Amps capacity FP Aluminium bus bars of high conductivity, DMC/SMC bus bar supports with short circuit withstand capacity of 50 KA for 1Sec, 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 bar of size 50 mm x 5 mm at the rear with 2 nos earth stud, 20% spare space of outgoing in Panel, solid connections from main bus bars to switch gears with required size of Aluminium bus bars and control wiring with 1.5 Sq.mm. FRLSH PVC insulated copper conductor cable except CT secondary circuit for which control wiring shall be 2.5 Sq.mm. FRLSH PVC insulated copper conductor cable, cable alleys, cable gland plates suitable for indoor operation, complete with all accessories, interconnection, earthing, alignment with the bus ducts etc., as required and comprising of following switch gears: (Non Essential Panel)				
2.01	Incoming				
2.02	Two No. 1250 A, 50KA (Ics=Icu), Four Pole, EDO type Moulded case design ACB as INCOMER conforming to IEC 60947-2:2003 as amended up-to- date with LCD display, inbuilt Metering, Overcurrent, Short circuit & Earth fault Protection with variable current & time delay setting, Instantaneous protection, current demand & phase to neutral voltage on display, % loading of each phases on LED/LCD bar graphs, with Microprocessor Based Releases and provided with separate suitable rated Cast Resin CTs with Digital Multifunction Meter having RS 485 port (EM6400 of Schneider make or equivalent), shunt trip coil 220 V AC, Auxiliary power unit, LED Phase Indication Lamps along with 2 Amps control MCBs as backup protection, breaker ON/OFF/TRIP/Spring Charge LED indicating lights along with control MCBs as per standard practice, Mechanical/ Electrical Interlocking arrangement between the incomers & bus coupler along with interlocking relays, mechanical lock & keys etc. i/c Control MCBs, control terminals & wirings as required.				
2.03	Outgoing:-				
2.04	Two No. 800 A, 50KA (Ics=Icu), Four Pole, EDO type moulded case design ACB as OUTGOING conforming to IEC 60947-2:2003 as amended up-to- date with LCD display, inbuilt Metering, Overcurrent, Short circuit & Earth fault Protection with variable current & time delay setting, Instantaneous protection, current demand & phase to neutral voltage on display, % loading of each phases on LED/LCD bar graphs, with Microprocessor Based Releases and provided with separate suitable rated Cast Resin CTs with Digital Multifunction Meter having RS 485 port (EM6400 of Schneider make or equivalent), shunt trip coil 220 V AC, Auxiliary power unit, Breaker ON/ OFF/ TRIP/ Spring Charge LED indicating lights along with control MCBs as per standard practice etc. i/c Control MCBs, control terminals & wirings etc. as required.				
2.05	Six Nos. 400 A, 50 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L and S/C fault Protection with microprocessor based release and provided with three nos. Cast resin of suitable rating CTs with digital Multifunction Meter having RS 485 port (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED indication lamp along with control MCBs as per Standard practice etc. as required.				
2.06	Four Nos. 250 A, 36 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L and S/C fault Protection with microprocessor based release and provided with three nos. Cast resin of suitable rating CTs with digital Multifunction Meter having RS 485 port (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED indication lamp along with control MCBs as per Standard practice etc. as required.				
2.07	Four Nos. 100 A, 36 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L and S/C fault Protection with microprocessor based release and provided with three nos. Cast resin of suitable rating CTs with digital Multifunction Meter having RS 485 port (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED indication lamp along with control MCBs as per Standard practice etc. as required.				
2.08	Bus Couplers:-				
2.09	01 No. 1250 Amps each Four Pole horizontal draw out EDO type Modular Air circuit breaker of fault breaking capacity 50 KA (Ics=Icu) fitted with in built metering, interlocked door, automatic safety shutter, Mechanical ON/OFF and service/ test/ isolation position indicators and frame earthing contact, conforming to IEC 60947-2:2003 as amended up-to- date, Breaker ON/ OFF/ TRIP/ Spring Charge LED indicating lights along with control MCBs as per standard practice including suitable size Adopter Chamber in the first part to attach with the second part etc., as required.				

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
2.10	Busbar:				
2.11	One Set of FP Aluminium Bus Bars of minimum of 1600 A Capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bar cross section supports & their spacing etc. for meeting fault level of 50 KA for 1 Sec with adequate size aluminium busbar for interconnection of incomer and outgoing switchgears and 50x5mm copper earth strip etc, as required.				
2.12	Interlocking: Electrical Interlocking through advance contacts in ACB's (incomer & Bus coupler) and mechanical interlocking should also be to ensure that only one supply is available at a time on each section of bus and to eliminate any possibility of accidentally approaching two supply at one bus section.				
2.13	All as above 2.01 to 2.12	1.00	Job	22,62,818.00	22,62,818.00
3.00	Design, Fabrication and supply of cubical type LT Panel - type tested design as per IEC 61439-1 & 2 suitable for 415 V, 3 Phase, 4 wire 50 Hz AC supply, made out of 2 mm thick CRCA sheet steel for load bearing portions, frame work, 1.6mm thick with doors, covers, portions, non-load bearing portions, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed, Form 4b compartmentalised design, floor mounting, free standing, extensible on both sides i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having 1000 Amps capacity FP Aluminium bus bars of high conductivity, DMC/SMC bus bar supports with short circuit withstand capacity of 50 KA for 1Sec., 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 bar of size 50mm x 5 mm at the rear with 2 nos earth stud, 20% spare space of outgoing in Panel, solid connections from main bus bars to switch gears with required size of Aluminium bus bars and control wiring with 1.5 Sq.mm. FRLSH PVC insulated copper conductor cable except CT secondary circuit for which control wiring shall be 2.5 Sq.mm. FRLSH PVC insulated copper conductor cable, cable alleys, cable gland plates and suitable for indoor operation, complete with all accessories, interconnection, earthing, alignment with the bus ducts etc., as required and comprising of following switch gears: (Essential Panel)				
3.01	Incoming:				
3.02	Two No. 800 A, 50KA (Ics=Icu), Four Pole, EDO type Moulded case design ACB as INCOMER conforming to IEC 60947-2:2003 as amended up-to- date with LCD display, inbuilt Metering, Overcurrent, Short circuit & Earth fault Protection with variable current & time delay setting, Instantaneous protection, current demand & phase to neutral voltage on display, % loading of each phases on LED/LCD bar graphs, with Microprocessor Based Releases and provided with separate suitable rated Cast Resin CTs with Digital Multifunction Meter having RS 485 port, shunt trip coil 220 V AC, auxiliary power unit, LED Phase Indication Lamps, Circuit along with 2 Amps control MCBs as backup protection, breaker ON/OFF/TRIP/Spring Charge LED indicating lights along with control MCBs as per standard practice, Mechanical/ Electrical Interlocking arrangement between the incomers & bus coupler along with interlocking relays, mechanical lock & keys etc. i/c Control MCBs, control terminals & wirings as required.				
3.03	Outgoing:-				
3.04	Six Nos. 400 A, 50 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L and S/C fault Protection with microprocessor based release and provided with three nos. Cast resin of suitable rating CTs with digital Multifunction Meter having RS 485 port (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED indication lamp along with control MCBs as per Standard practice etc. as required.				
3.05	Four Nos. 250 A, 36 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L and S/C fault Protection with microprocessor based release and provided with three nos. Cast resin of suitable rating CTs with digital Multifunction Meter having RS 485 port (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED indication lamp along with control MCBs as per Standard practice etc. as required.				
3.06	Four Nos. 100 A, 36 KA, Four Pole MCCB (Ics=Icu) with O/L and S/C fault Protection with Adjustable Thermal and Adjustable Magnetic Releases and provided with three nos. Cast resin of suitable rating CTs for digital Multifunction Meter having RS 485 port (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED indication lamps along with control MCBs as per standard practice etc. as required				
3.07	Two Nos. of Three Phase Surge Protection Device (SPD) having 100KA 10/350 micro seconds neutral to earth, 50 KA 10/350 micro sec line to neutral, with limiting voltage less than 1.5 KV shall be connected on the mains power entry point at the incomers & shall be of modular type.				

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
3.08	Bus Couplers:				
3.09	One No 800 Amps each Four Pole horizontal draw out EDO type Modular Air circuit breaker of fault breaking capacity 50 KA (Ics=Icu) fitted with in built metering, interlocked door, automatic safety shutter, mechanical ON/OFF and service/ test/ isolation position indicators and frame earthing contact, conforming to IEC 60947-2:2003 as amended up-to- date, Breaker ON/ OFF/ TRIP/ Spring Charge LED indicating lights along with control MCBs as per standard practice including suitable size Adopter Chamber in the first part to attach with the second part etc., as required.				
3.10	Busbar:				
3.11	One Set of FP Aluminium Bus Bars of minimum of 1000 A Capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bar cross section supports & their spacing etc. for meeting fault level of 50 KA for 1 Sec with adequate size aluminium busbar for interconnection of incomer and outgoing switchgears and 50x5mm copper earth strip etc, as required.				
3.12	Interlocking : Electrical through advance contacts in ACB's (incomer & Bus coupler) and mechanical interlocking should be to ensure that only one supply is available at a time on each section of bus and to eliminate any possibility of accidentally approaching two supply at one bus section.				
3.13	All as above 3.01 to 3.12	1.00	Job	15,67,038.00	15,67,038.00
4.00	Design, Fabrication and supply of cubical type LT Panel - tested design as per IEC 61439-1 & 2 suitable for 415 V, 3 Phase, 4 wire 50 Hz AC supply, made out of 2 mm thick CRCA sheet steel for load bearing portions, frame work, 1.6mm thick with doors, covers, partitions, non-load bearing portions, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed, Form 4b compartmentalised design , floor mounting, free standing, extensible on both sides i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having 600 Amps capacity FP Aluminium bus bars of high conductivity, DMC/SMC bus bar supports with short circuit withstand capacity of 50 KA for 1Sec, bottom base channel of MS section not less than 100 mm x50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 50mm x 5 mm at the rear with 2 nos earth stud, 20% spare space of outgoing in Panel, solid connections from main bus bars to switch gears with required size of Aluminium bus bars and control wiring with 1.5 Sq.mm. FRLSH PVC insulated copper conductor cable except CT secondary circuit for which control wiring shall be 2.5 Sq.mm. FRLSH PVC insulated copper conductor cable, cable alleys, cable gland plates suitable for indoor operation, complete with all accessories, interconnection, earthing, alignment with the bus ducts etc., as required and comprising of following switch gears: (Detuned APFC Panel)				
4.01	Design and Supply of 200 KVAR, 8 stage (2x12.5 KVAR+ 5x25 KVAR +1x50 KVAR) Contactor switched DAPFC capacitor panel with suitable 12 stage APFC relay including fabrication, with 440 volt 7% detuned reactor unit and 480 volts suitable rating capacitor to get desired filtered output with main incomer as MCCB of rating 400Amps 50 KA, 4P with inbuilt O/C,S/C and E/F Protection with Microprocessor Based Releases and provided with Resin Cast CTs with Digital Multifunction Meter (EM6400 of Schneider make or equivalent), ON/OFF/TRIP Indication Lamps and Phase Indication Lamps with control MCBs and suitable rating MCCBs as outgoing with ON/OFF/TRIP Indication Lamps with control MCBs as per standard practice, providing suitable rating CTs at incomers for feedback and control cable from CTs to APFC relay and suitable size Enclosure made out of 2 mm thick CRCA sheet steel for load bearing portions, frame work, 1.6mm thick with doors, covers, partitions, non-load bearing portions, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed with necessary mounting assembly and accessories as per Specification.				
4.02	All as above 4.00 to 4.01	2.00	Job	5,55,305.00	11,10,610.00
5.00	Design, Fabrication and supply of cubical type outdoor LT Panel - tested design as per IEC 61439-1 & 2, IP 55, suitable for 415 V, 3 Phase, 4 wire 50 Hz AC supply, made out of 2 mm thick CRCA sheet steel for frame work, canopy and covers, 1.6mm thick with internal doors, partitions and non load bearing portions, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed, Form 4b compartmentalised design, floor mounting, free standing, extensible on both sides i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having 600Amps capacity TPN Aluminium bus bars of high conductivity, DMC/SMC bus bar supports with short circuit withstand capacity of 50 KA for 1Sec, bottom base channel of MS section not less than 100 mm x50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 50mm x 5 mm at the rear with 2 nos earth stud, 20% spare space of outgoing in Panel, solid connections from main bus bars to switch gears with required size of Aluminium bus bars and control wiring with 1.5 Sq.mm. FRLSH PVC insulated copper conductor cable except CT secondary circuit for which control wiring shall be 2.5 Sq.mm, cable alleys, complete with all accessories, interconnection, earthing, complete etc. as required and comprising of following switch gears:				

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
5.01	Incoming				
5.02	Two Nos. 400A, 50 KA, Four Pole MCCB as incomer (Ics=Icu) with inbuilt over current and short circuit protection of Microprocessor based release and provided with three nos. Cast resin suitable rating CTs with Digital Multifunction Meter having RS485 port (EM6400 of Schneider make or equivalent), ON/OFF/TRIP LED Indication Lamps and Phase Indication Lamps alongwith control MCBs as required.				
5.03	Outgoings:				
5.04	Four Nos. 250A, 36 KA, Four Pole MCCB (Ics=Icu) with inbuilt over current and short circuit protection of Microprocessor based release and provided with three nos. Cast resin suitable rating CTs with Digital Multifunction Meter (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED Indication Lamps alongwith control MCBs as required				
5.05	Two Nos. 100 A, 36KA, Four Pole MCCB (Ics=Icu) with inbuilt over current and short circuit protection of Adjustable Thermal and Magnetic Release and provided with three nos. Cast resin suitable rating CTs with Digital Multifunction Meter (EM6459 of Schneider make or equivalent), ON/OFF/TRIP LED Indication Lamps alongwith control MCBs as required.				
5.06	Buscoupler: One No. 400A, 50 KA, Four Pole MCCB as Buscoupler (Ics=Icu) with inbuilt over current and short circuit protection of Microprocessor based release and provided with ON/OFF/TRIP LED Indication Lamps and Phase Indication Lamps alongwith control MCBs as required.				
5.07	Busbar:				
5.08	One Set of TPN Aluminium Bus Bars of minimum of 600 A Capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bar cross section, size supports & their spacing etc. for meeting fault level of 50 KA for 1 Sec and 50x5mm Copper earth strip etc. as required.				
5.09	Interlocking: Mechanical interlocking between 2 Incomers & 1 Buscoupler and it shall be ensured that only one supply is available at a time on each section of bus and to eliminate any possibility of accidentally approaching two supply at one bus section.				
5.10	All accessories such as auxiliary contactors, auxiliary switches, push buttons MCBs, rotary handles, phase separators etc., as required.				
5.11	All as above 5.00 to 5.10	1.00	Job	6,13,247.00	6,13,247.00
6.00	Supply of 1600 Amps, 50 KA for 1 sec, Indoor IP 54 Sandwich Type Busduct complying to IEC 61439-1 & 6 including fabrication, for use on 3 Phase 4 Wire, 415 Volts, 50 Hz AC supply with metal clad enclosure made of 1.6mm thick GI Sheet duly powder coated in convenient sections complete with 4 Nos. of Aluminium Bus Bars with Class F Insulation, necessary joints, elbow joints & expansion joints and bends, 4 nos of adopter boxes, with integral earth, suspenders, angle iron bracket, fasteners, connecting to earthing system etc., as required. Note : All accessories to be included in the straight length cost only. Extra/additional cost towards accessories shall be included in linear length. Accessories to be included is 90 Deg Bends, Flange end, Phase Transposition unit, Expansion unit and Adapter Box. The bus Trunking shall be measured along the length (centre) of enclosure. The Quantity given is tentative. However the actual quantity requirement will be as per Busduct manufacturer design.	40	Mtr.	24,379.00	9,75,160.00
7.00	Supply of suitable Copper flexibles for 1600 Amps, 4 Wire Bus duct Termination etc. Three Phase + Neutral considered as One Set.	4	Set	37,824.00	1,51,296.00
8.00	Supply of nominal 2.5 mm thick (Width 1 Mtr) PVC synthetic, electric insulated mats conforming to IS 15652-2006 having Dielectric strength of 45 KV, no adverse effect of mineral oil, high insulation resistance (Minimum 1,00,000 M Ω on wet condition with 5 KV meggar) with yellow coloured bordered reflective Adhesive sticker of width 50mm at borders etc., as required.	550	Sq.Mtr.	618.00	3,39,900.00
9.00	Supply of nominal 2.0 mm thick (Width 1 Mtr) PVC synthetic, electric insulated mats conforming to IS 15652-2006 having Dielectric strength of 30 KV, no adverse effect of mineral oil, high insulation resistance (Minimum 1,00,000 M Ω on wet condition with 5 KV meggar) with yellow coloured bordered reflective Adhesive sticker of width 50mm at borders etc., as required.	300	Sq.Mtr.	482.00	1,44,600.00
10.00	Supply of compact circular stranded Al conductor provided with conductor screening of semi-conducting compound XLPE insulated provided with insulation screening over individual cores, consisting of extruded semi-conducting compound followed by lapped semi-conducting copper tapes, cores laid together with suitable filters, in the interspaces covered with inner sheath by extrusion, galvanized flat steel strip armoured and overall PVC sheathed cable, suitable for 11 KV (E) System conforming to IS 7098 (Part-II) 1985 as amended upto date and of following Size as required.				
10.01	3 X 185 Sq.mm	200	Mtr	1,084.00	2,16,800.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
11.00	Supply of XLPE insulated and PVC sheathed aluminium conductor armoured power cable of 1.1 KV grade conforming to IS 7098 (Part-I) 1988 as amended upto date and of following size as required:				
11.01	3.5 X 120 SQ MM	200	Mtr	470.00	94,000.00
11.02	3.5 X 185 SQ MM	200	Mtr	702.00	1,40,400.00
11.03	3.5 X 240 SQ MM	200	Mtr	896.00	1,79,200.00
11.04	3.5 X 300 SQ MM	2200	Mtr	1,095.00	24,09,000.00
	SH-I : SUPPLY SUPPLY OF SUB STATION EQUIPMENTS TOTAL			₹	1,54,04,069.00
12.00	SH-II: INSTALLATION, TESTING, COMMISSIONING OF SUB-STATION EQUIPMENTS.				
12.01	Installation, Testing and Commissioning of 11KV HT VCB Panel mentioned at SH-I/ 1.19 including provision of MS supporting "C" channel of size 100 x 50 x 6 mm thick including dismantling and handing over to AAI of existing HT Panel at Remote Bay Power House to create space for installation of new HT Panel/other LT Panels, supply, laying and termination of 1.5 sqmm multi core copper conductor PVC insulated and PVC sheathed armoured control cables for sensing purpose between relays of HT VCB panel and transformer (For OTI, WTI, Bucolz and separete cables for A.C, D.C control supply), for A.C source of VCB Panel and for D.C source of Battery charger including shifting of dismantled HT panel to AAI store etc. complete all as required.	1	Job	84,956.00	84,956.00
13.00	Installation, Testing and Commissioning of 415V, 2000 Amps Bus bar rating MV Non-Essential Panel mentioned at SH-I /2.13 including dismantling and handing over to AAI of existing LT Non-Essential Panel at Remote Bay Power House to create space for installation of new LT Panel, provision of supporting "C" channel size 100 x 50 x 6 mm thick including shifting of dismantled LT panel to AAI store etc. complete as required.	1	Job	14,775.00	14,775.00
14.00	Installation, Testing and Commissioning of 415V, 1000 Amps Bus bar rating, MV Essential Panel mentioned at SH-I /3.13 including dismantling and handing over to AAI of existing LT Essential Panel at Remote Bay Power House to create space for installation of new LT Panel, provision of supporting "C" channel size 100 x 50 x 6 mm thick including shifting of dismantled LT panel to AAI store etc. complete as required.	1	Job	14,775.00	14,775.00
15.00	Installation, Testing and Commissioning of 200 KVAR detuned capacitor panel mentioned at SH-I /4.02 including provision of supporting "C" channel size 100 x 50 x 6 mm thick, laying of 1.5 sqmm multi strand copper conductor PVC insulated and PVC sheathed armoured control cable for sensing purpose between Current Transformers at Non Ess panel and DAPFC Panel and all connections and interconnections etc. complete as required.	2	Job	7,388.00	14,776.00
16.00	Installation, Testing and Commissioning of 415V, 600 Amps Bus bar rating, outdoor Feeder Pillar mentioned at SH-I /5.11 including provision of supporting "C" channel size 100 x 50 x 6 mm thick, supporting MS Angles and Civil foundation etc. complete as required. Civil foundation alongwith MS angle/channel supports shall be got approved by Engineer-In-Charge prior execution of work.	1	Job	14,775.00	14,775.00
17.00	Installation, Testing and Commissioning of 1600 Amps, 50KA S.C (RMS), Indoor sandwich types Bus trunking system (Straight run bus Duct, Bend, Adopter Box, Phase Cross Over and Copper flexibles for joints) mentioned at SH-I / SOQ Item no.6.00 & 7.00 including provision of 12mm dia threaded rod and 50x50x5mm MS angle for supporting arrangement and interconnection with LT panel and transformer end by required length busbar of same current rating of required length etc. complete as required.	30	Mtr	1,970.00	59,100.00
18.00	Fixing of nominal 2.5 mm or 2.0 mm (Width 1 Mtr) thick PVC synthetic, electric insulated mats conforming to IS 15652-2006 along with suitable adhesive/ chemibond on the Surface/Chequered plates / Concrete Covers over Cable Trench, sealing of all joints and edges, providing reflective tape of 50mm all around the mat etc., complete as required.	850	Sq.mtr	148.00	1,25,800.00
19.00	SITC of 15 Nos. of 2 Volt, 100 AH Exide Batteries [Totalling to 30V] of Model "PLANTE (YKP9)" or Equivalent with Initial Charging including providing and fixing suitable size wooden Stand as per OEM's recommendation or E-I-C direction for positioning of Batteries etc. complete as required.	1.00	Job	1,37,403.00	1,37,403.00
20.00	SITC of 30V, 20 Amps, DC Battery Charger with Thyristor Based Rectifier suitable to operate in 230V, 50Hz, single phase AC Power Supply with charging arrangement for Trickle/ Boost including with suitable range Digital Meter for both AC/DC for measuring Current and Voltage, Regulator, Selector Switches, Indication Lamps etc. for operating Batteries associated with 11 KV HT Panel, as required.	1.00	Job	53,929.00	53,929.00
	SH-II : INSTALLATION, TESTING, COMMISSIONING OF SUB-STATION EQUIPMENTS TOTAL			₹	5,20,289.00
21.00	SH-III : LAYING OF CABLES, EARTHING AND ASSOCIATED WORKS				
21.01	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, M-sand cushioning, protective covering and refilling the trench etc as required.				
21.02	Above 120 sq. mm and upto 400 sq. mm	20	Mtr	542.00	10,840.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
22.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
22.01	Above 120 sq. mm and upto 400 sq. mm	40	Mtr	94.00	3,760.00
23.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing masonry open duct as required.				
23.01	Above 120 sq. mm and upto 400 sq. mm	50	Mtr	84.00	4,200.00
24.00	Laying and fixing of one number PVC insulated and PVC sheathed/ XLPE power cable of 11 KV grade of following size on wall surface wall as required.				
24.01	Above 120 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	20	Mtrs.	108.00	2,160.00
25.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size on cable tray as required.				
25.01	Above 120 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	50	Mtrs.	123.00	6,150.00
26.00	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.				
26.01	Above 95 sq. mm and upto 185 sq. mm	40	Mtr.	542.00	21,680.00
26.02	Above 185 sq. mm and upto 400 sq. mm	100	Mtr.	560.00	56,000.00
27.00	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.				
27.01	Above 95 sq. mm and upto 185 sq. mm	120	Mtr.	69.00	8,280.00
27.02	Above 185 sq. mm and upto 400 sq. mm	100	Mtr.	103.00	10,300.00
28.00	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 as required.				
28.01	Above 95 sq. mm and upto 185 sq. mm	80	Mtr.	69.00	5,520.00
28.02	Above 185 sq. mm and upto 400 sq. mm	2000	Mtr.	89.00	1,78,000.00
29.00	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.				
29.01	Above 95 Sq.mm and upto 185 Sq.mm (clamped with 25x2mm MS flat clamp)	60	Mtr.	89.00	5,340.00
29.02	Above 185sq. mm and upto 400sq. mm(clamped with 40x3mm MS flat clamp)	100	Mtr.	103.00	10,300.00
30.00	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 as required.				
30.01	Above 95 sq. mm and upto 185 sq. mm (clamped with 25x2mm MS flat clamp)	80	Mtr	99.00	7,920.00
30.02	Above 185 sq. mm and upto 400 sq. mm (clamped with 25x2mm MS flat clamp)	150	Mtr	108.00	16,200.00
31.00	Supply and Laying of 110 mm dia OD HDPE Pipe of PN6 PE 80 grade ISI Marked conforming to IS:4984 along with all accessories like sockets, bends, coupler etc, complete with fitting, cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	2000	Mtr.	630.00	12,60,000.00
32.00	Retrieval of one number PVC/XLPE insulated and PVC sheathed power cable of 11KV grade of size upto 300 Sqmm from ground including excavation and refilling the trench etc., as required.	100	Mtr	409.00	40,900.00
33.00	Retrieval of one number PVC/XLPE insulated and PVC sheathed power cable of 11KV grade of size upto 300 Sqmm from concrete floor by breaking the concrete, including excavation, refilling and putting PCC 1:2:4 of not less than 10 Centi meters for making it original etc., as required.	120	Mtr	2,463.00	2,95,560.00
34.00	Retrieval of one number PVC/XLPE insulated and PVC sheathed power cable of 11KV grade of size upto 300 Sqmm from the existing trench in Power house/RCC pipe/ HUME pipe/ GI Pipe/ STONEWARE/ METAL/ Duct etc., as required.	120	Mtr	103.00	12,360.00
35.00	Retrieval of one number PVC/XLPE insulated and PVC sheathed power cable of 1.1KV grade of size upto 400 Sqmm from the existing RCC/ HUME/ STONEWARE/ METAL/ GI PIPES/ Duct/ TRAY/ TERRACE etc., as required.	300	Mtr	108.00	32,400.00
36.00	Supplying and installing following size of perforated Hot Dipped Galvanised iron cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, bends, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts etc as required.				
36.01	150 mm width X 50 mm depth X 1.6 mm thickness	30	Mtr	852.00	25,560.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
37.00	Supplying and installing following size of Galvanised Iron Ladder hot dipped galvanised iron cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, bends, other accessories as required and including suitable MS Angles 50 x 50 x 6mm, Cantilever support, anchor fasteners, supporting plates, and all accessories etc with 0.75 mtr interval as required.				
37.01	600 mm (W) X 50 mm (D) X 2.0 mm Thickness	30	Mtr	1,522.00	45,660.00
37.02	300 mm (W) X 50 mm (D) X 1.6 mm Thickness	30	Mtr	1,325.00	39,750.00
38.00	Supplying and laying of 250 mm dia non-pressure NP2 class (light duty) RCC hume pipe with collars jointed with stiff cement mortar i/c demolishing cement concrete/bituminous road, excavation of trench of required width for laying of hume pipe, depth upto 800 mm, providing and laying cement concrete of 1:4:8 ratio at bottom (100 mm) of pipe, refilling the trench with soil, ramming, watering, consolidation and making the surface to original finish with CC of 1:2:4 ratio on top (200 mm) and disposal of left out soil away from Airport premises etc. as required.				
38.01	250 mm	30	Mtr.	2167.00	65,010.00
39.00	Supplying and laying of "B" Class G.I pipe of 200 mm dia, i/c excavation of bituminous/ concrete road/ pavement, excavation of trench of required width for laying of G.I pipe, depth upto 800 mm, providing and laying cement concrete of 1:4:8 ratio at bottom (100 mm) of pipe, refilling the trench with soil, ramming, watering, consolidation and making the surface to original finish with PCC of 1:2:4 ratio on top (200 mm) and disposal of left out soil away from Airport premises etc. complete as required.				
39.01	200 mm	30	Mtr.	4433.00	1,32,990.00
40.00	Supplying and laying of "B" Class G.I pipe of 200 mm dia including excavation of Soil depth upto 750 mm and refilling the trench with excavated Soil after laying Pipe, ramming, watering, consolidation and making good the surface to original finish and disposal of left out excavated soil away from Airport premises etc. complete as required.				
40.01	200 mm	30	Mtr.	3186.00	95,580.00
41.00	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required.				
41.01	185 Sq. mm	4	No.	11,426.00	45,704.00
41.02	300 Sq. mm	2	No.	1,308.00	2,616.00
42.00	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 Core, XLPE Aluminium Conductor cable of 11 KV grade as required.				
42.01	185 Sq. mm	6	No.	5,812.00	34,872.00
42.02	300 Sq. mm	1	No.	6,403.00	6,403.00
43.00	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.				
43.01	3½ x 120 Sq.mm	6	No.	3,497.00	20,982.00
43.02	3½ x 185 Sq.mm	6	No.	3,773.00	22,638.00
43.03	3½ x 240 Sq.mm	8	No.	5,147.00	41,176.00
43.04	3½ x 300 Sq.mm	8	No.	5,147.00	41,176.00
43.05	3½ x 400 Sq.mm	6	No.	5,319.00	31,914.00
44.00	Supplying and making indoor end termination with brass double 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.				
44.01	3½ x 120 Sq.mm	6	No.	1,544.00	9,264.00
44.02	3½ x 185 Sq.mm	6	No.	2,246.00	13,476.00
44.03	3½ x 240 Sq.mm	8	No.	2,877.00	23,016.00
44.04	3½ x 300 Sq.mm	8	No.	3,111.00	24,888.00
44.05	3½ x 400 Sq.mm	6	No.	3,182.00	19,092.00
45.00	Supplying and making end termination WITHOUT brass compression gland BUT WITH aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as reqd. FOR TEMPORARY TERMINATION OF CABLES				
45.01	3½ x 120 Sq.mm.	6	No.	655.00	3,930.00
45.02	3½ x 185 Sq.mm.	6	No.	795.00	4,770.00
45.03	3½ x 240 Sq.mm.	8	No.	887.00	7,096.00
45.04	3½ x 300 Sq.mm.	8	No.	887.00	7,096.00
45.05	3½ x 400 Sq.mm.	6	No.	985.00	5,910.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
46.00	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted / welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	40	No.	493.00	19,720.00
47.00	Relocating, Installation, Testing and Commissioning of section of LT Panel Boards inside Remote Bay Power House to meet the emergency loads including commissioning of Control Wiring/ Interconnection/ Connection, earthing, testing, commissioning etc. complete as required.	2	Jobs	14,775.00	29,550.00
48.00	Supply and Fixing of 10 mm thick SMC chequered plates including provision of 50 x 50 x 5mm thick MS angle in all side and diagonal of SMC plate for strengthening by Aluminium revtting and MS lifting hook etc. complete as required.	50	Sq.Mtrs	9,358.00	4,67,900.00
49.00	Supply, fabrication, Transportation and installation of the MS channel/ angle/ flat for cable tray/ support including cutting, welding, drilling, fixing, grinding, applying redoxide primer of two coats and two coat of enamel paint of Black colour etc. complete as required. and as per the instructions of Engineer-In-Charge.	5,000.00	Kgs	123.00	6,15,000.00
50.00	Providing of earth pits using Copper bonded Earth electrode of 17.2 mm dia, 3 Metres installed vertically as per the site conditions complete and top cover dully backfilled with backfill earth enhancing compound of 25 kgs. along with required masonry chamber, CI Cover outer size of 450mm X 450mm X 10mm including excavation & refilling etc as required.	14	Nos.	6,403.00	89,642.00
51.00	Providing and fixing 50 mm X 5 mm copper strip in 80 mm dia 'B' Class G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer and brassing i/c excavation of bituminous/ concrete / pavement & excavation of Soil to the depth of 0.30 Mtrs from ground, refilling the Soil and with 1:2:4 concrete on top for 0.15 Mtrs after laying Pipe and making good the same to original surface etc. complete as required.	150	Mtr.	4,039.00	6,05,850.00
52.00	Providing and fixing 50 mm X 5 mm copper strip in recess including cutting of concrete floor and finishing to original floor and connection with brass nut, bolt, spring, washer and brassing etc. as required.	30	Mtr.	3,103.00	93,090.00
53.00	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface including connection with brass nut, bolt, spring, washer and brassing for connections etc. as required.	400	Mtr.	2,827.00	11,30,800.00
54.00	Providing Civil Works as required as detailed below:				
54.01	Making of cable trench of sizes 1 Mtr. width X 1 Mtr depth as extension of existing trench by demolishing of cement concrete/flooring on existing floor manually/ by mechanical means, excavation of trenches of required width upto a depth of 1.2 Mtr.below the concrete area and getting out the excavated soil/sand within a lead of 200 Mtr., providing and laying of position1:4:8 (1 cement : 4 sand : 8 graded stonegraded stone 40 mm nominal size.) cement concrete at bottom excluding the cost of centring and shuttering, making of brickwall of thickness 9 inch as required with F.P.S. bricks of class design 75 & cement mortar 1:4(1 cement :4 M Sand) and inside plastering 12mm thick with cement mortar 1:3 finished with floating coat of neat cement complete as required and matching with existing trench etc. as required.	30	Mtr.	14,775.00	4,43,250.00
55.00	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping,bed blocks, anchor blocks, plain window sills, fillets, sunken floor,etc., up to floor five level, excluding the cost of centering, shuttering and finishing.				
55.01	Cement concrete in 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	6	Cum	8,865.00	53,190.00
55.02	Cement mortar in 1:6 (1 cement: 6 coarse sand)	3	Cum	7,880.00	23,640.00
55.03	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in with Cement mortar 1:6 (1 cement : 6 coarse sand).	3	Cum	8,865.00	26,595.00
55.04	Cement plaster of 15 mm on the rough side of single or half brick wall of mix with 1:6 (1 cement: 6 coarse sand).	12	Sq Mtr	493.00	5,916.00
55.05	Steel rod for RCC Slabs	200	Kgs	99.00	19,800.00
56.00	Demolishing of hard concrete floor manually/ by mechanical means using compressor drilling machine and making the surface to original finish with PCC of 1:2:4 mix to match with the adjacent hard concrete floor including disposal of concrete debris away from Airport premises etc. complete as required.	10	Cum	2,266.00	22,660.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate Excluding GST	Amount
57.00	Construction of brick masonry manhole with F.P.S. bricks of class design 75 & cement mortar 1:4, RCC topslab with hooks of 1:2:4 mix, foundation concrete 1:4:8 mix, inside plastering 12mm thick with cement mortar 1:3 finished with floating coat of neat cement complete as required. (as per standard design) Inside size 1000X1000 mm and 900 mm deep including RCC concrete cover with multiple slabs covering the manhole of thickness not less than 150mm etc. complete as required.	6	Nos.	24,625.00	1,47,750.00
58.00	Liasoning charges towards CEA Approval of Remote Bay Sub-Station consisting of new 11KV HT Panel, new LT Panels, existing 2 Nos. of 320KVA DG Sets, 2Nos. Of 500KVA Transformers and other LT installations in Power House including Preparation of complete Drawings and other documents required for CEA clearance, submission of the same with CEA and getting Final CEA Approval etc. complete as required.	1	Job	59,100.00	59,100.00
SH-III : LAYING OF CABLES, EARTHING AND ASSOCIATED WORKS TOTAL					Rs. 66,11,892.00
TOTAL AMOUNT (SH-I + SH-II+ SH-III)					Rs. 2,25,36,250.00
TOTAL					Rs. 2,25,36,250.00

(Rupees Two Crores Twenty Five Lakhs Thirty Six Thousand Two Hundred Fifty Only)

Note: Applicable GST shall be paid on submission of taxable invoice.


30/03/2023

(G.N.D. KENNEDY)
Jt.General Manager (E-E)-I

Signature Not Verified

Digitally signed by THIRUMAL MURUGAN
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Date: 2024.03.28 15:48:40 IST
Location: eProcurement System for
Central PSUs