



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAI/Engg/AMED-VII/ EV Charging Station/2025/A- 03

Date: 19.05.2025.

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

Sub: Provision of EV Charging Station at Chennai Airport. SH: Provision of Power Supply.

Ref: Tender ID: 2025\_AAI\_231869\_1.

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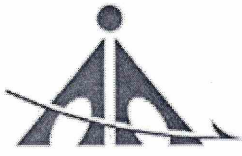
Dear Sir(s),

1. Your e-Tender for the above mentioned work has been accepted by the Competent Authority on behalf of The Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 1,27,30,557.00 (Rupees One Crore Twenty Seven Lakhs Thirty Thousand Five Hundred and Fifty Seven Only) excluding GST which is 20.94% below the Estimated Cost of Rs.1,61,02,569.00 (Rupees One Crore Sixty One Lakhs Two Thousand Five Hundred and Sixty Nine Only) excluding GST put to tender.
2. Joint General Manager (Engg. - Elect), Airports Authority of India, Chennai Airport, Chennai - 600 016 shall be the Engineer-In-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg -Elect), AAI, Chennai Airport by 28.05.2025 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. Please deposit an Amount of Rs. 12,73,056.00/- (Rupees Twelve Lakhs Seventy Three Thousand and Fifty Six Only) towards 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 Contract Document. Earnest Money Deposit amount will be returned back to your account after deducting equal amount of EMD against Security Deposit from your bill.
4. 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 and Minimum Wages Act and Rules there of Central and State Governments.
5. Please note that the time allowed for carrying out the work shall be 4 (Four Months) and the same shall be reckoned from 28.05.2025.
6. You are also directed to contact the Sr. Manager (Engg-Elect), Airport Maintenance Electrical Division-VII, Airports Authority of India, Operational Offices, Chennai Airport immediately for the execution of the above mentioned work.

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.



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA



CHENNAI AIRPORT

ISO 9001:2015, ISO 14001:2015 & CHSAS 18001:2007 CERTIFIED AIRPORT

-2-

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 Work (Page No. 01 to 07)

Yours faithfully,

Sd/-

(A MARIAPPAN)

Jt. General Manager (Engg - Elect)

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

Copy forwarded for information to:

External:

1. The Income-Tax Officer, Chennai - 600 034.
2. The Commercial Tax Officer, Chennai - 600 006.

Internal: Through mail:

1. The General Manager (Engg-Elect), Chennai Airport.
2. The Joint General Manager (Vigilance), SR, Chennai Airport.
3. The Asst. General Manager (Engg-Elect)-Planning, Chennai Airport.
4. The Sr. Manager (F&A), AAI, Chennai Airport with ref. to e-file: Computer No. 243036  
Note No.: 79 dated: 17.05.2025. vide FC No.: FC/2025-26/ENGG(E)/50.
5. The Sr. Manager (Engg-Elect)-VII, Chennai Airport.
6. Agreement Copy.

(A MARIAPPAN)

Jt. General Manager (Engg - Elect),

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



# AIRPORTS AUTHORITY OF INDIA

CHENNAI INTERNATIONAL AIRPORT

CHENNAI 600 016

## SCHEDULE OF WORK

Name of Work: Provision of EV Charging Station at Chennai Airport. SH: Provision of Power Supply.

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quantity | Rate | Amount |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|--------|
| 1      | SH-I: SUPPLY OF SUB-STATION EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |      |        |
| 1.01   | Compact Secondary Sub-Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |        |
| 1.02   | Design, Supply of Compact Secondary Sub-Station(CSS) meeting IEC 62271-202 of rating 11KV/ 0.433kV, equipped with 1600kVA Cast Resin Transformer, 3 way 11kV Non-Extensible Ring main unit consisting of 2 Nos. 630A at 11KV, fault making load Breaking switches, Breaking capacity of not less than 21KA for 3 Sec, 50 Hz and One number Fixed manual SF6 insulated Vacuum circuit breaker of rating 630A at 11KV with Breaking capacity of 21KA for 3 Sec, 50 Hz., type tested for Internal Arc for 21kA for 1 Second and with One No. 3200A, 50KA Air Circuit Breaker as detailed below. All the live parts, VCB modules, isolators, earth switches must be sealed within robotically welded 2.5mm thick single stainless steel tank filled with SF6 gas as insulation having IP67 degree of protection. All the CSS, VCB and Vacuum interrupter shall be of same make.                                                                                                          |          |      |        |
| 1.03   | The 11kV Compact Sub-Station shall be consisting of following                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |        |
| 1.04   | HT Switchgear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |      |        |
| 1.05   | 11kV 630Amps 21kA for 3 sec. SF6 insulated Non-Extensible Compact switchgear consisting of 2 Nos. 630A at 11KV, fault making load Breaking switches, Breaking capacity of 21KA for 3 Sec, 50 Hz and One number Fixed manual SF6 insulated Vacuum circuit breaker of rating 630A at 11KV with Breaking capacity of 21KA for 3 Sec, 50 Hz with self powered microprocessor based numerical over current and Earth Fault (IDMT+Inst.) relay for protection, providing Digital Multifunction Meter of Class 1 with RS-485 port of M/s Schneider make of model EM 6400 or equivalent including set of suitable rating CT's for Metering and Protection, 11KV PT of Class 1 accuracy common for the RMU including Voltage Presence Indication, ON/OFF/TRIP Mechanical indications on front Mimic for Breaker, Manometer and operating handle etc., complete as required. There shall be provision of terminating the HT cable maximum of size 3core 185Sq.mm Aluminium armored XLPE Cable. |          |      |        |
| 1.06   | Transformer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |      |        |
| 1.07   | 1600KVA 11KV/433V Dyn11 Copper Wounded, Air natural cooled Cast Resin Dry Type Transformer with Off load tap links of +5% to -5% @step of 2.5%, Class of Insulation: F, Winding Temperature Indicator with alarm and trip contact, providing Hooter in Transformer Compartment with all other standard accessories conforming to IS 2026 Part 11/2021 and meeting ECBC Norms 2017 as amended upto date etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |      |        |
| 1.08   | LT PANEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |      |        |
| 1.09   | Fabrication and supply of cubical type LT Panel suitable for 415 V, 3 Phase, 4 wire 50 Hz AC supply with Four Pole Aluminum busbars suitable for 4000A with Current Density- 0.8amp/Sqmm, Fabrication using 2mm CRCA sheet steel provided with ACB (i/c from Transformer and outgoing to external LT Panel) of rating 4P, 415V, 3200 Amps, 50Hz, Breaking capacity of 50KA for 1sec, Electrically operated Manually Draw Out type (EDO) type with microprocessor based over current, short circuit and earth fault release, Digital Multifunction Meter of Class 1 with RS-485 port of M/s Schneider make of model EM 6400 or equivalent including set of suitable rating cast resin CT's for Metering, complete with internal wiring and other accessories complete etc. as required.                                                                                                                                                                                               |          |      |        |
| 1.1    | Outdoor Enclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |      |        |
| 1.11   | Outdoor type enclosure having construction of Powder coated CRC of thickness 2.0mm for non-load bearing members and 2mm for load bearing members with 4mm Galvanised Baseframe. The Enclosure shall have IP54 degree of protection for HT & LT switchgear compartment & IP23 degree of protection for Transformer compartment. The enclosure exterior shall be powder coated. Each compartment will be provided with the door and pad locking arrangement. The Compartment illumination lamp with door operated switch shall be provided for MV & LV compartment. Seperate switch operated bulkhead lamp + Hooter shall be provided in Transformer.                                                                                                                                                                                                                                                                                                                                  |          |      |        |

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quantity |     | Rate         | Amount       |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|--------------|--------------|
| 1.12   | Interconnection & Earthing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |     |              |              |
| 1.13   | Interconnection Between HT switchgear & Transformer using 1Cx3x95 sq.mm XLPE Single core unarmoured Aluminum Cable & Interconnection between Transformer & LT switchgear using Aluminum Busbars with flexibles. Internal earthing connections by using 50x6mm Copper strips including Tr Neutral.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |     |              |              |
| 1.14   | All as above i.e. 1.01 to 1.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.00     | Job | 51,54,013.00 | 51,54,013.00 |
| 2.00   | LT PANEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |     |              |              |
| 2.01   | 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, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed, the degree of protection of enclosures of IP42 Rating in accordance with IEC 60529, 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 3200 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 done in transportable sections, entire panel with a common Copper earth bar of size 50 mm x 5 mm with 2 Nos. earth stud at rear, solid connections from main bus bars to switch gears with required size of Aluminium bus bars and wiring with 1.5 Sq.mm. FRLSH PVC insulated copper conductor cable for potential sensing and wiring with 2.5 Sq.mm. FRLSH PVC insulated copper conductor cable for current carrying, cable alleys, cable gland plates suitable for indoor operation, complete with all accessories, interconnection, earthing etc., as required and comprising of following switch gears: |          |     |              |              |
| 2.02   | Incoming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |     |              |              |
| 2.03   | One No. 3200 A, 50KA (Ics=Icu), Four Pole, EDO type Moulded case design ACB as INCOMER conforming to IEC 60947-2 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, with Microprocessor Based Releases and provided with separate suitable rated Cast Resin CTs with Digital Multifunction Meter having RS 485 port (EM6400NG 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, i/c Control MCBs, control terminals & wirings etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |     |              |              |
| 2.04   | Outgoing:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |     |              |              |
| 2.05   | Five Nos. 630 A, 50 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L, S/C and earth fault Protection with microprocessor based release and provided with suitable rating Cast resin CTs with digital Multifunction Meter having RS 485 port (EM6400NG of Schneider make or equivalent), Tri-vector Energy meter (TOD) of 0.5s accuracy recording slotwise energy consumption based on TANGEDCO timing zone slots (C1,C2,C3&C4), programed according to the TANGEDCO slot basis, ON/OFF/TRIP and Phase LED indication lamps along with control MCBs as per Standard practice etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |     |              |              |
| 2.06   | Three Nos. 400 A, 50 KA, Four Pole MCCB (Ics=Icu) with inbuilt O/L, S/C and earth fault Protection with microprocessor based release and provided with suitable rating Cast resin CTs with digital Multifunction Meter having RS 485 port (EM6400NG of Schneider make or equivalent), Tri-vector Energy meter (TOD) of 0.5s accuracy recording slotwise energy consumption based on TANGEDCO timing zone slots (C1, C2, C3 & C4), programed according to the TANGEDCO slot basis, ON/ OFF/ TRIP and phase LED indication lamps along with control MCBs as per Standard practice etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |     |              |              |
| 2.07   | Busbar:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |     |              |              |
| 2.08   | One Set of FP Aluminium Bus Bars of minimum of 4000 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 etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |     |              |              |
| 2.09   | All as above 2.01 to 2.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.00     | Job | 20,10,631.00 | 20,10,631.00 |

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quantity |  | Rate | Amount |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|------|--------|
| 3.00   | Design, Fabrication and Supply of HYBRID POWER FACTOR CONTROL PANEL (300 A Plus 300 KVAR) to achieve PF > 0.99 Lag and TDDI / THDV Values within IEEE Recommended Limits suitable to operate on 415 V, 3 Phase, 4 wire 50 Hz AC supply, depth not less than 900 mm, made out of 2 mm thick CRCA sheet steel, 3 mm thick for gland plates, dust tight, vermin proof, totally enclosed with the degree of protection of enclosures of IP42 Rating in accordance with IEC 60529, Compartmentalised design, floor mounting, free standing, i/c cleaning and 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 1 Sec., bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, entire panel with a common Copper earth bar of size 50 mm x 5 mm with 2 Nos. earth stud at rear, solid bus link connections from main bus bars to switch gears and from adopter box of busduct to respective Switch gears as applicable with required size of Aluminium bus bars and wiring with 1.5 Sq.mm. FRLSH PVC insulated copper conductor cable for potential sensing and wiring with 2.5 Sq.mm. FRLSH PVC insulated copper conductor Control Cable for current carrying, cable alleys, cable gland plates suitable for indoor operation, complete with all accessories, fabrication done in transportable sections, interconnection, earthing, alignment with the bus ducts etc., as required. DAPFC shall have Auto/ Manual selection scheme with selector switch etc. The switching device of the active compensation system shall be IGBT based. The active compensation system should filter harmonics from 2nd to 51th individual harmonic order and shall be selectable for the entire range. The active compensation system should have feature to improve PF correction as well. The Panel is comprising of following switch gears as required. |          |  |      |        |
| 3.01   | One No. 800 A, 50KA (Ics=Icu), Four Pole, EDO type Moulded case design ACB as INCOMER conforming to IEC 60947-2 as amended up-to- date with LCD/LED 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, Percentage loading of each phases on LCD/LED display, with Microprocessor Based Releases and provided with separate suitable rated Cast Resin CTs with Digital Multifunction Meter (EM6400NG of Schneider make or equivalent) having RS 485 port, 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 etc., i/c Control MCBs, control terminals & wirings etc., as required. [ACB shall have communication facility via RS485 Port Modbus Protocol providing Status of ACBs & shall also be capable of Monitoring the ACB].                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |  |      |        |
| 3.02   | One No. HMI Hybrid PQ Controller capable to integrate/isolate the active and passive Components, provided with 7 Inch LCD Touch Screen to display all Parameters like Currents, Fundamental Current, iTHD, iTDD, Aunb, Voltages, Vthd, kW, kVA, PF, dPF, Filter Current, Filter Loading (%), Stack Temperature, Ambient Temperature, Filter Run time, System Runtime etc., provision of a proper exportable fault log, able to log > 2,00,000 time stamped events and faults in memory, Capable of displaying individual harmonics for currents and voltages upto 51st order, Capable of simultaneously displaying current and voltage waveforms etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |      |        |
| 3.03   | One No. 12 Steps APFC Relay with VA Sensors of (2,000/1,000/55) Amps Dual Core Resin Cast CT at appropriate Transformer's Secondary Circuit i/c supplying of 7C X 2.5 Sq.mm. PVC insulated PVC sheatherd armoured, copper conductor Control Cabling from LT Panel Incoming/ Transformer Secondary to APFC Panel (for length up-to 25 Mtr), including providing Auto/Manual Facility as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |  |      |        |
| 3.04   | One No. 400 A, 50 KA, Four Pole MCCB (Ics=Icu) as Outgoing with inbuilt O/L, S/C and earth fault Protection with microprocessor based releases, provided with One No. 300A AHF Module of IGBT Type, ON/OFF/TRIP LED indication lamp along with control MCBs as per Standard practice etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |  |      |        |
| 3.05   | Four Nos. of each with resultant capacity of 50 KVAR, 3 Ph., Delta Connected Super Heavy Duty, MPP Capacitor with Al. Round Enclosure of Voltage Rating 525 V (Minimum) with Copper Wound 7% Detuned Reactors, Capacitor Duty Contactors, 200 A 3P, 36 KA, TMR MCCBs, 50 sqmm Interconnecting PVC Insulated FR Copper Flexi-Wires, Push Button, ON/OFF Indication Lamps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |  |      |        |

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quantity |         | Rate         | Amount           |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|--------------|------------------|
| 3.06   | Three Nos. of each with resultant capacity of 25 KVAR, 3 Ph., Delta Connected Super Heavy Duty, MPP Capacitor with Al. Round Enclosure of Voltage Rating 525 V (Minimum) with Copper Wound 7% Detuned Reactors, Capacitor Duty Contactors, 100 A 3P, 36 KA, TMR MCCBs, 25 sqmm Interconnecting PVC Insulated FR Copper Flexi-Wires, Push Button, ON/OFF Indication Lamps.                                                                                                                                                                                                                      |          |         |              |                  |
| 3.07   | Two Nos. of each with resultant capacity of 10 KVAR, 3 Ph., Delta Connected Super Heavy Duty, MPP Capacitor with Al. Round Enclosure of Voltage Rating 525 V (Minimum) with Copper Wound 7% Detuned Reactors, Capacitor Duty Contactors, 63 A, 3P, 15 KA, MCBs, 10 sqmm Interconnecting PVC Insulated FR Copper Flexi-Wires, Push Button, ON/OFF Indication Lamps.                                                                                                                                                                                                                             |          |         |              |                  |
| 3.08   | One No. with resultant capacity of 5 KVAR, 3 Ph., Delta Connected Super Heavy Duty, MPP Capacitor with Al. Round Enclosure of Voltage Rating 525 V (Minimum) with Copper Wound 7% Detuned Reactors, Capacitor Duty Contactors, 40 A, 3P, 15 KA, MCBs, 10 sqmm Interconnecting PVC Insulated FR Copper Flexi-Wires, Push Button, ON/ OFF Indication Lamps.                                                                                                                                                                                                                                      |          |         |              |                  |
| 3.09   | Two Empty Cubicle each to accommodate 25 KVAR Capacitor, 7% Detuned Reactors, Capacitor Duty Contactor, MCCB, Push Button, ON/ OFF Indication Lamps (ONLY CUBICLE / No Switch Gear)                                                                                                                                                                                                                                                                                                                                                                                                            |          |         |              |                  |
| 3.10   | One Set of FP Aluminium Bus Bars of minimum of 1000 A Capacity with heat shrinkable coloured epoxy sleeves and i/c providing and fixing of DMC/SMC bus bar supports meeting fault level of 50 KA for 1 Sec with adequate size Aluminium busbars for interconnection of incomer and outgoing switchgears etc., as required.                                                                                                                                                                                                                                                                     |          |         |              |                  |
| 3.11   | Each vertical compartment shall have Illumination Lamp, Door Limit switch, Exhaust Fan & Thermostat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |         |              |                  |
| 3.12   | All accessories such as fuses, MCBs, auxillary contactors, auxillary switches, ROMs for MCCBs, Phase Barriers, Phase Spreaders etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |         |              |                  |
| 3.13   | All Items as mentioned above under Sl. No. 3.00 to 3.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.00     | Job     | 19,50,596.00 | 19,50,596.00 ✓   |
| 4.00   | 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 $\Omega$ on wet condition with 5 KV meggar) with yellow coloured bordered reflective Adhesive sticker of width 50mm at borders etc., as required.                                                                                                                                                                                                        | 20.00    | Sq.Mtr. | 675.00       | 13,500.00        |
| 5.00   | 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 $\Omega$ on wet condition with 5 KV meggar) with yellow coloured bordered reflective Adhesive sticker of width 50mm at borders etc., as required.                                                                                                                                                                                                        | 10.00    | Sq.Mtr. | 546.00       | 5,460.00 ✓       |
| 6.00   | 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. |          |         |              |                  |
| 6.01   | 3 X 185 Sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,000.00 | Mtr     | 1,098.00     | 10,98,000.00 ✓   |
|        | TOTAL OF SH-I: SUPPLY of SUB-STATION EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |         |              | ₹ 1,02,32,200.00 |
| 7.00   | SH-II: INSTALLATION, TESTING, COMMISSIONING OF SUB-STATION EQUIPMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |         |              |                  |
| 7.01   | Installation, Testing and Commissioning of Compact Secondary Sub-Station of rating 11KV/0.433kV, equipped with 1600kVA Cast Resin Transformer, 3 way 11kV Non-Extensible Ring main unit mentioned at SH-I/1 including supply, laying and termination of 2.5 sqmm multi core copper conductor PVC insulated and PVC sheathed armoured control cables for A C source of VCB Panel and for D C source of Battery charger etc., complete as required.                                                                                                                                              | 1.00     | No.     | 19,700.00    | 19,700.00 ✓      |
| 8.00   | Installation, Testing and Commissioning of 415V, 3200 Amps Bus bar rating MV LT Panel mentioned at SH-I/2 including provision of supporting "C" channel size 100 x 50 x 5 mm thick, grouting, painting, earthing etc., complete as required.                                                                                                                                                                                                                                                                                                                                                   | 1.00     | No.     | 22,655.00    | 22,655.00 ✓      |

| Sl.No.                                                                         | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity |        | Rate        | Amount        |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|-------------|---------------|
| 9.00                                                                           | Installation, Testing and Commissioning of IGBT BASED HYBRID POWER FACTOR CONTROL PANEL (300A Plus 300 KVAR) mentioned at SH-I/3 including provision of supporting "C" channel of size 100 x 50 x 5 mm thick, grouting, painting, earthing, laying/fixing of control cable for sensing purpose between CTs at Non Essential Panel/ Transformer Secondary Side and HMI/Controller of HPFC Panel, fixing of CTs and all connections and interconnections etc., complete as required. | 1.00     | Job    | 9,850.00    | 9,850.00      |
| 10.00                                                                          | 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, i/c providing water proofing of floor, (chipping of floor if required) sealing of all joints and edges etc., as required.                                                                                                                                                                                        | 30.00    | Sq.mtr | 128.00      | 3,840.00      |
| 11.00                                                                          | SITC of 15 Nos. of 2 Volt, 100 AH Exide Batteries [Totalling to 30V] of Model "PLANTE" or Equivalent with Initial Charging including providing and fixing suitable size Stand as per OEM's recommendation or E-I-C direction for positioning of Batteries etc. complete as required.                                                                                                                                                                                               | 1.00     | Job    | 1,11,305.00 | 1,11,305.00   |
| 12.00                                                                          | 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 etc., complete as required.                                                          | 1.00     | Job    | 95,575.00   | 95,575.00     |
| TOTAL OF SH-II: INSTALLATION, TESTING, COMMISSIONING OF SUB-STATION EQUIPMENTS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |        |             | ₹ 2,62,925.00 |
| 13.00                                                                          | SH-III: LAYING OF CABLES, EARTHING AND ASSOCIATED WORK                                                                                                                                                                                                                                                                                                                                                                                                                             |          |        |             |               |
| 13.01                                                                          | 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.                                                                                                                                                                                                                                                    |          |        |             |               |
| 13.02                                                                          | Above 120 Sq. mm and upto 400 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50.00    | Mtrs.  | 453.00      | 22,650.00     |
| 14.00                                                                          | 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/HDPE pipe as required.                                                                                                                                                                                                                                                                                                                    |          |        |             |               |
| 14.01                                                                          | Above 120 Sq. mm and upto 400 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                               | 700.00   | Mtrs.  | 94.00       | 65,800.00     |
| 15.00                                                                          | 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.                                                                                                                                                                                                                                                                                                                             |          |        |             |               |
| 15.01                                                                          | Above 120 Sq. mm and upto 400 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                               | 50.00    | Mtrs.  | 94.00       | 4,700.00      |
| 16.00                                                                          | 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.                                                                                                                                                                                                                                                                                                                                |          |        |             |               |
| 16.01                                                                          | Above 120 Sq. mm and upto 400 Sq. mm (clamped with 40x3mm MS flat clamp)                                                                                                                                                                                                                                                                                                                                                                                                           | 100.00   | Mtrs.  | 103.00      | 10,300.00     |
| 17.00                                                                          | 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.                                                                                                                                                                                                                                                                                                                                      |          |        |             |               |
| 17.01                                                                          | Above 120 Sq. mm and upto 400 Sq. mm (clamped with 40x3mm MS flat clamp)                                                                                                                                                                                                                                                                                                                                                                                                           | 100.00   | Mtrs.  | 84.00       | 8,400.00      |
| 18.00                                                                          | 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.                                                                                                                                                                                                                                                                                                                            |          |        |             |               |
| 18.01                                                                          | Above 185 Sq. mm and upto 400 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                               | 40.00    | Mtrs.  | 94.00       | 3,760.00      |
| 19.00                                                                          | 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.                                                                                                                                                                                                                                                                                                                                    |          |        |             |               |
| 19.01                                                                          | Above 185 Sq. mm and upto 400 Sq. mm (clamped with 40x3mm MS flat clamp)                                                                                                                                                                                                                                                                                                                                                                                                           | 40.00    | Mtrs.  | 103.00      | 4,120.00      |
| 20.00                                                                          | 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                                                                                                                                                                                                                                                  |          |        |             |               |
| 20.01                                                                          | 185 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.00     | Nos.   | 6,895.00    | 13,790.00     |
| 21.00                                                                          | 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.                                                                                                                                                                                                                                          |          |        |             |               |
| 21.01                                                                          | 185 Sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.00     | Nos.   | 10,835.00   | 10,835.00     |

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quantity |       | Rate      | Amount      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-----------|-------------|
| 22.00  | Supplying and making indoor 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.                                                                                                                                                                                                                                                                                                                                    |          |       |           |             |
| 22.01  | 3½ x 400 Sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8.00     | Nos.  | 1,477.00  | 11,816.00   |
| 23.00  | Supply and Laying of 110 mm dia OD HDPE Pipe of PN 8 PE 80 grade ISI Marked conforming to IS:4984 along with all accessories like sockets, HDPE bends, HDPE 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.                                                                                                                                              | 100.00   | Mtrs. | 542.00    | 54,200.00   |
| 24.00  | Supply and Laying of 110 mm dia PE 100 PN 10 HDPE Pipes by single horizontal directional drilling (HDD) of suitable dia in the operational area with depth range at 2.5 to 3 mtr including opening of manholes/pits on both sides, reaming, drilling, jointing of pipes, providing all required machines (HDD machine, mud mixer, earth mover, cables/pipes tracker etc.) and including identifying the existing cables & pipes falling in the route, specialised manpower, closing of manholes / pits after laying the pipes etc., as required. | 450.00   | Mtrs. | 1,259.00  | 5,66,550.00 |
| 25.00  | 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 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 PCC of 1:2:4 ratio on top (200 mm) and disposal of left out soil away from Airport premises etc., complete as required.                      |          |       |           |             |
| 25.01  | 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 120.00   | Mtrs. | 2,413.00  | 2,89,560.00 |
| 26.00  | 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.                                                                                                                                                                                           |          |       |           |             |
| 26.01  | 200 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30.00    | Mtrs. | 2,167.00  | 65,010.00   |
| 27.00  | S/F GI cable route marker Supplying and making cable route marker with 10 cm x 10 cm x 5 mm thick G.I plate with inscription thereon bolted/ welded to 35 mm x 35mm x 6 mm angle iron, 60 cm long and fixing the same in ground as required.                                                                                                                                                                                                                                                                                                     | 100.00   | Nos.  | 296.00    | 29,600.00   |
| 28.00  | Supply, fabrication, Transportation and installation of the MS channel/ angle/ flat for any support as required and as per the instructions of Engineer-In-Charge, including cutting, welding, drilling, fixing, grinding, applying red oxide primer of two coats and two coat of enamel paint of Black colour etc., complete as required                                                                                                                                                                                                        | 5,000.00 | Kgs.  | 133.00    | 6,65,000.00 |
| 29.00  | Earthing with copper earth plate 600 mm x 600 mm x 3 mm thick including accessories and providing masonry enclosure with cover made of RCC of size 450 x 450 x 40 mm and watering pipe of 2.7 meter long etc., with charcoal/ coke and salt including excavation & refilling etc., as required.                                                                                                                                                                                                                                                  | 2.00     | Nos.  | 16,252.00 | 32,504.00   |
| 30.00  | Earthing with G.I. earth plate 600 mm x 600 mm x 6 mm thick including accessories, and providing masonry enclosure with cover made of RCC of size 450 x 450 x 40 mm and watering pipe of 2.7 meter long etc. with charcoal/coke and salt including excavation & refilling etc., as required.                                                                                                                                                                                                                                                     | 4.00     | Each  | 8,373.00  | 33,492.00   |
| 31.00  | 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 Soil to the depth of 450 mm from ground, refilling the Soil after laying Pipe and making good the same to original surface etc., complete as required.                                                                                                                                                                                                | 10.00    | Mtrs. | 3,152.00  | 31,520.00   |
| 32.00  | 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 demolishing concrete/ bituminous/ pavement to the depth of 450 mm from ground, refilling 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.                                                                                                                                     | 10.00    | Mtrs. | 3,326.00  | 33,260.00   |
| 33.00  | 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.                                                                                                                                                                                                                                                                                                                                                                 | 20.00    | Mtrs. | 2,441.00  | 48,820.00   |

| Sl.No. | Description of Item                                                                                                                                                                                                                                                                                                                                                                                     | Quantity |       | Rate      | Amount         |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-----------|----------------|
| 34.00  | Providing and fixing 50 mm X 5 mm G.I strip in 80 mm dia 'B' Class G.I. pipe from earth electrode including connection with G.I nut, bolt, spring, washer and brassing i/c excavation of Soil to the depth of 450 mms from ground, refilling the Soil and with 1:2:4 concrete on top for 20 mm after laying Pipe and making good the same to original surface etc., complete as required.               | 20.00    | Mtrs. | 1,073.00  | 21,460.00      |
| 35.00  | Providing and fixing 50 mm X 5 mm G.I strip in 80 mm dia 'B' Class G.I. pipe from earth electrode including connection with G.I nut, bolt, spring, washer and brassing i/c demolishing concrete/ bituminous/ pavement to the depth of 450 mm from ground, refilling 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. | 20.00    | Mtrs. | 1,354.00  | 27,080.00      |
| 36.00  | Providing and fixing earth bus of 50 mm X 5 mm G.I strip on surface including connection with brass nut, bolt, spring, washer and brassing for connections etc., as required.                                                                                                                                                                                                                           | 40.00    | Mtrs. | 394.00    | 15,760.00      |
| 37.00  | Supply and applying of transparent fire retardant coatings complying section 3.2 of BIS 12459 for the length of not less than 1 Meter to the cables at termination points in electrical panels etc., complete as required as per the directions and approval of Engineer-In-Charge.                                                                                                                     |          |       |           |                |
| 37.01  | 3 X 185 Sq.MM (11KV (E) grade cable)                                                                                                                                                                                                                                                                                                                                                                    | 2.00     | Jobs  | 773.00    | 1,546.00       |
| 37.02  | 3.5 X 400 Sq.MM (1.1KV grade cable)                                                                                                                                                                                                                                                                                                                                                                     | 8.00     | Jobs  | 773.00    | 6,184.00       |
| 38.00  | Supply and fixing of Galvanised mild steel Fire Bucket Stand with 4 Nos. of Galvanised mild steel fire buckets of 10 litre nominal capacity filled with dry sand conforming IS 2546 including Fabrication, Supply and installation of Canopy type MS structure above the buckets etc., complete as required.                                                                                            | 2.00     | Nos.  | 3,447.00  | 6,894.00       |
| 39.00  | Supplying and fixing shock treatment chart (easily readable and duly framed) in Three (English, Hindi & Tamil) languages and first aid box containing material as prescribed by St. John Ambulance brigade OR Indian Red Cross complete as required and complying the CEA regulations etc., complete as required.                                                                                       | 2.00     | Nos.  | 246.00    | 492.00         |
| 40.00  | Supply of rubber gloves suitable for 11KV grade conforming IEC 60903 and IS 13774 etc., complete as required.                                                                                                                                                                                                                                                                                           | 1.00     | No.   | 738.00    | 738.00         |
| 41.00  | Providing Civil Works as required as detailed below:                                                                                                                                                                                                                                                                                                                                                    |          |       |           |                |
| 41.01  | Cement concrete of 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20mm nominal size) including providing shuttering and finishing etc., as required.                                                                                                                                                                                                                                         | 2.00     | Cum   | 8,372.00  | 16,744.00      |
| 41.02  | Cement mortar in 1:6 (1 cement: 6 coarse sand )                                                                                                                                                                                                                                                                                                                                                         | 1.00     | Cum   | 8,372.00  | 8,372.00       |
| 41.03  | 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).                                                                                                                                                                                                                                   | 1.00     | Cum   | 9,850.00  | 9,850.00       |
| 41.04  | Steel rod for RCC Slabs                                                                                                                                                                                                                                                                                                                                                                                 | 300.00   | Kgs   | 103.00    | 30,900.00      |
| 42.00  | Liasoning towards CEA Approval of EV charging SS consisting of new 11KV Compact substation, new LT Panel, 1 No. HPFC filters and other LT installations inside SS including Preparation of complete Drawings and other documents required for CEA clearance, submission of the same with CEA, co-ordination and getting Final CEA Approval etc., complete as required.                                  | 1.00     | Job   | 83,725.00 | 83,725.00      |
|        | TOTAL OF SH-III: LAYING OF CABLES, EARTHING AND ASSOCIATED WORK                                                                                                                                                                                                                                                                                                                                         |          |       | ₹         | 22,35,432.00   |
|        | TOTAL AMOUNT (SH-I + SH-II + SH-III)                                                                                                                                                                                                                                                                                                                                                                    |          |       | ₹         | 1,27,30,557.00 |
|        | TOTAL EXCLUDING GST                                                                                                                                                                                                                                                                                                                                                                                     |          |       | ₹         | 1,27,30,557.00 |

(Rupees One Crore Twenty Seven Lakhs Thirty Thousand Five Hundred and Fifty Seven Only)



(A MARIAPPAN)

Jt. General Manager (Engg - Elect)