

भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA



No. AAM/ENGG/ELEC/AMED-I/902/3/2022-23/A-42

Date: 23.11.2022

M/s Vardhman Airport Solutions Private Limited,  
Plot No. 13/C & 13/3, First Floor and Second Floor,  
Rama Road Side, Industrial Area, Najafgarh Road,  
New Delhi - 110 015.

Name of Work : 1.R&M of GLF at Chennai Airport. 2. R&M of Electrical Installations in the operational area at Chennai Airport. SH: Annual Rate Contract for Maintenance of Electrical Installations in the Operational Area for 02 Years.

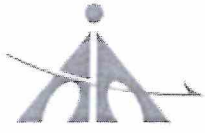
Ref : Tender ID: 2022\_AAI\_130761\_1

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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 ₹ 93,79,082.00 (Rupees Ninety-Three Lakhs Seventy-Nine Thousand and Eighty-Two Only) excluding GST which is 6.50% (Six decimal Five Zero) below the Estimated cost of ₹ 1,00,31,259.00 excluding GST put to tender.
2. Deputy General Manager (Engg-Elect.) - II, AAI, Chennai Airport, Chennai - 600 016 shall be the Engineer-in-Charge of the work. You are requested to attend to the office of Deputy General Manager (Engg-Elect.) - II, AAI, Chennai Airport by 30.11.2022 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value ₹ 100.00 (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
3. Please deposit an amount of ₹ 9,37,908.00 (Rupees Nine Lak Thirty-Seven Thousand Nine Hundred and Eight 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 on Page GCC 16 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 24 (Twenty-Four Months) and the same shall be reckoned from 01.12.2022.

फैक्स: 044 - 2256 0008 ई पी ए बी एक्स: 2256 0551, चेन्नई हवाई अड्डे, चेन्नई - 600 016  
Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai - 600 016



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## AIRPORTS AUTHORITY OF INDIA

6. You are also directed to contact Asst. Gen. Manager Engg. (Elect.), Airport Maintenance Electrical Division-I, Airports Authority of India, Operational Offices, Chennai Airport immediately for the execution of the above mentioned work

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.

Yours faithfully,

(A. Mariappan)

Deputy General Manager (Engg - Elect.) - II,  
For and on behalf of the Chairman,  
Airports Authority of India.

Encl: Schedule of Work

AIRPORTS AUTHORITY OF INDIA  
CHENNAI AIRPORT  
CHENNAI  
SCHEDULE OF WORK

Name of work: 1) R & M of GLF at Chennai Airport. 2) R & M of Electrical Installations in the Operational Area at Chennai Airport. SH: Annual Rate Contract for Maintenance of Electrical Installations in the Operational Area for 02 Years

| Sl. No. | Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Qty    | Unit | Rate    | Amount      |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|-------------|
| SH-I    | R&M of GLF at Chennai Airport. (A): Works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |      |         |             |
| 1.01    | Supply and laying of 50 mm dia (OD) HDPE pipe of PN 8, PE 80 grade ISI marked conforming to IS:4984 along with all its necessary accessories like couplers etc., in runway/taxiway/apron shoulder for connecting transformer housing boxes by groove cutting with groove cutting machine on bitumen / concrete surface to a suitable depth, chipping the slot with hammering machine i/c jointing of pipe & filling the gaps with bitumen /cement concrete and making good the surface with original finish etc., complete as required and as per the instruction of Engineer-in-charge.                   | 500.00 | Mtr  | 356.00  | 1,78,000.00 |
| 1.02    | Supply and laying of 63 mm dia (OD) HDPE pipe of PN 8, PE 80 grade ISI marked conforming to IS:4984 along with all its necessary accessories like couplers etc., in runway/taxiway/apron shoulder for connecting transformer housing boxes by groove cutting with groove cutting machine on bitumen. / concrete surface to a suitable depth, chipping the slot with hammering machine i/c jointing of pipe & filling the gaps with bitumen /cement concrete and making good the surface with original finish etc., complete as required and as per the instruction of Engineer-in-charge.                  | 500.00 | Mtr  | 477.00  | 2,38,500.00 |
| 1.03    | Supply and laying of 50 mm dia (OD) HDPE pipe of PN 8, PE 80 grade ISI marked conforming to IS:4984 along with all its necessary accessories like couplers etc., directly in ground at a depth 0.75 Mtr including excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.                                                                                                                                                                                                                                                                             | 150.00 | Mtr  | 202.00  | 30,300.00   |
| 1.04    | Supply and laying of 63 mm dia (OD) PN 8, PE 80 of HDPE pipe ISI marked conforming to IS:4984 along with all its necessary accessories like couplers etc., directly in ground at a depth 0.75 Mtr depth including excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.                                                                                                                                                                                                                                                                             | 150.00 | Mtr  | 257.00  | 38,550.00   |
| 1.05    | Laying of 50mm/40mm 'B' Class GI Pipe in shoulder/runway/taxiway/apron i/c groove machine cutting for connecting Transformer housing boxes/between transformer housing boxes on bitumen / concrete surface of suitable size, chipping the slot with hammering machine, jointing of pipes by couplers (including supply of coupler) and filling the gaps with cold bituminous road bond bitumen (Hincol make or equivalent) i/c applying rapid emulsion RS1 / cement concrete and making good the surface matching with original finish etc., as required and as per the instruction of Engineer-in-charge. | 600.00 | Mtr  | 250.00  | 1,50,000.00 |
| 1.06    | Laying of 50mm/40mm 'B' Class GI Pipe in directly in ground at a depth of 0.75 Mtr including excavation and refilling the trench but excluding sand cushioning and protective covering etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                  | 300.00 | Mtr  | 143.00  | 42,900.00   |
| 1.07    | Supply and Laying of 80 mm dia size B class GI pipe for road crossing at a depth of 600 mm i/c cutting the bituminous surface, re-filling with cement concrete mixture of ratio 1:2:4 and making good the surface matching with original finish etc., as required and as per the instruction of Engineer-in-charge.                                                                                                                                                                                                                                                                                        | 200.00 | Mtr  | 1437.00 | 2,87,400.00 |



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|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|----------|-------------|
| 1.08 | Supplying and laying of 25mm size ISI marked 'B' class GI pipe and accessories for taking secondary lead from inset fittings to the transformer housing box installed outside the runway shoulder by groove cutting with Groove Cutting machine on the concrete/bitumen runway surface at a depth upto 40 mm to match the cable entry hole of inset fitting shallow base and width to accommodate the pipe including smooth bending of pipe as per requirement, chipping the slot, alignment and fixing the pipe including connecting to inset light shallow box using coupling/connectors etc., as per requirement, closing the slot with cold bituminous mix road bond (Hincol make or equivalent) (i/c supply) i/c applying rapid emulsion RS1 to match the existing runway / taxiway surface etc., complete as required. | 200.00  | Mtr  | 413.00   | 82,600.00   |
| 1.09 | Installation of MS Transformer housing box of size 330mm X 330 mm X 400 mm in runway / taxiway shoulder of concrete/bitumen surface including dismantling of concrete/bitumen/soil surface to the required size, providing 75mm thick cement concrete of ratio 1:2:4 on all around the transformer housing box with required slope on the top to match with the original bitumen / concrete surface, painting of MS box etc., as required.                                                                                                                                                                                                                                                                                                                                                                                   | 30.00   | Each | 3300.00  | 99,000.00   |
| 1.10 | Installation of 'T' shaped double pocketed MS Transformer housing box of size 650mm x 330mm x 400mm in runway / taxiway shoulder of concrete/bitumen surface including dismantling of concrete/bitumen/soil surface to the required size, providing 75mm thick cement concrete of ratio 1:2:4 on all around the transformer housing box with required slope on the top to match with the bitumen / concrete surface, painting of MS box etc., as required.                                                                                                                                                                                                                                                                                                                                                                   | 30.00   | Each | 5500.00  | 1,65,000.00 |
| 1.11 | Installation of MS Transformer housing box of size upto 330mm X 330 mm X 400 mm in soil including excavation of earth to the required size providing 100mm thick PCC base and 75mm thick cement concrete of ratio 1:2:4 on all around the transformer housing box with required slope on the top, painting of MS box etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20.00   | Each | 3300.00  | 66,000.00   |
| 1.12 | Installation of 'T' shaped double pocketed MS Transformer housing box of size 650mm x 330mm x 400mm in soil including excavation of earth to the required size providing 100mm thick PCC base and 75mm thick cement concrete of ratio 1:2:4 on all around the transformer housing box with required slope on the top, painting of MS box etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20.00   | Each | 5500.00  | 1,10,000.00 |
| 1.13 | Supply and Installation of Rectangular Transformer Housing box of size 750mm x 400mm x 330 mm of thickness 10 mm made of MS Sheet Steel in runway/ taxiway shoulder including dismantling of concrete/bitumen, providing 100mm thick PCC base and 75mm thick cement concrete of ratio 1:2:4 on all around the transformer housing box with required slope on the top to match with the existing surface, painting of MS box etc., as required.                                                                                                                                                                                                                                                                                                                                                                               | 10.00   | Each | 19624.00 | 1,96,240.00 |
| 1.14 | Laying of 2C x 4 sq. mm Secondary leads of 1.1KV grade in existing GI/HDPE pipe as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2500.00 | Mtr  | 18.00    | 45,000.00   |
| 1.15 | Installation, Testing and commissioning of Elevated type Runway Edge/ End / Threshold / Guard Lights / Taxiway lights fittings (Halogen/LED) on the existing transformer housing boxes including installation of isolating transformer, crimping / joining of connector kits, covering with HT insulation tape over which PVC tape, fixing of gaskets, nuts, bolts and other accessories, alignment, levelling, earth connection etc., complete as required. (Fitting, Isolation Transformer and connector kits will be supplied by department)                                                                                                                                                                                                                                                                              | 20.00   | Each | 220.00   | 4,400.00    |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |          |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------|-------------|
| 1.16 | Installation of Inset light fittings in the concrete/bitumen surface by core cutting with suitable core cutting machine tool for the required size for fixing the shallow box, alignment of the box to match with the runway surface, fixing it using Dobefil compound with hardener, fixing of top assembly on the shallow box, connecting the plug and receptacles of inset fitting with isolation transformer, making all electrical connections, making good the surface to the original finish, testing and commissioning of the whole inset fittings etc., complete as required. (Fitting, Isolation Transformer and connector kits will be supplied by department)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.00  | Each | 9900.00  | 19,800.00   |
| 1.17 | Supply of internally illuminated LED based Mandatory / Information Guidance sign boards of various sizes made out of 4mm thick glare free polycarbonate sheet at front facia and 2mm thick anodised aluminium structure on other five sides with sufficient No. of 50mm dia 5.5mm thick aluminium legs with frangible couplings. Front facia shall be covered with 4mm thick non-specular glare free polycarbonate sheet having the required details (letters & symbols) screen printed on self adhesive film of 3M make and pasted on the inside of the polycarbonate sheet. The depth of the sign board shall not be less than 150mm. Sign board shall be uniformly internally illuminated with adequate No. of LEDs and suitable length and width and LEDs shall be 0.5W and shall have not less than 50,000 burning hours installed vertically with a spacing of LED strips not more than 160mm with suitable rated weather proof power converter to achieve required illumination level, suitable for operation on airfield series circuit input source of 2.8A-6.6A to give constant brightness for all current variation without flickering with all other accessories etc., complete as required conforming to ICAO/FAA requirements etc., as required. | 10.00 | Sqm  | 31993.00 | 3,19,930.00 |
| 1.18 | Supply and fixing of 4mm thick glare free polycarbonate sheet at front facia, the letters & symbols made out of 3M film, made by computerized cutting and pasting on the polycarbonate sheet, pasted from inside/outside with required colouring to make mandatory /informatory guidance signage on existing sign boards installed in operational area as per ICAO Annex - 14 Volume 1 and as approved by Engineer-In-Charge complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15.00 | Sqm  | 8287.00  | 1,24,305.00 |
| 1.19 | Installation, Testing and Commissioning of Airport operational Mandatory / Information guidance signboards having 2 legs of various sizes by providing suitable strength Cement Concrete cube (1:2:4) of minimum size 300x300x300mm with foundation bolts of minimum length 250mm & nuts with spring washer of SS 304 grade of suitable size i/c providing breakable couplings and laying of 40mm OD HDPE (PN8 ; PE80) pipe upto 1m for cable entry, providing cement concrete of ratio 1:2:4 all around the guidance sign board upto 1 mtr on the four sides of the guidance sign board for a depth of 150 mm etc. as approved by Engineer-In-Charge complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10.00 | Each | 11000.00 | 1,10,000.00 |
| 1.20 | Installation, Testing and Commissioning of Airport operational Mandatory / Information guidance signboards having 3 legs of various sizes by providing suitable strength Cement Concrete cube (1:2:4) of minimum size 300x300x300mm with foundation bolts of minimum length 250mm & nuts with spring washer of SS 304 grade of suitable size i/c providing breakable couplings and laying of 40mm OD HDPE (PN8 ; PE80) pipe upto 1m for cable entry, providing cement concrete of ratio 1:2:4 all around the guidance sign board upto 1 mtr on the four sides of the guidance sign board for a depth of 150 mm etc. as approved by Engineer-In-Charge complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8.00  | Each | 11000.00 | 88,000.00   |



|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |      |          |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|----------|-------------|
| 1.21 | Installation, Testing and Commissioning of, Airport operational Mandatory / Information guidance signboards having 4 legs of various sizes by providing suitable strength Cement Concrete cube (1:2:4) of minimum size 300x300x300mm with foundation bolts of minimum length 250mm & nuts with spring washer of SS 304 grade of suitable size i/c providing breakable couplings and laying of 40mm OD HDPE (PN8 ; PE80) pipe upto 1m for cable entry, providing cement concrete of ratio 1:2:4 all around the guidance sign board upto 1 mtr on the four sides of the guidance sign board for a depth of 150 mm etc. as approved by Engineer-In-Charge complete as required. | 8.00    | Each | 11000.00 | 88,000.00   |
| 1.22 | SITC of outdoor type sloped top feeder pillar box made out of MS sheet of size 18"x18"x8" of 14 SWG suitable for 5KV grade AFL Cable End terminations, with hinged door, locking arrangement, cable entry holes, mounted on 1 No. 2" dia. GI pipe of 150 mm length with breakable coupling on 10mm thick MS base plate, fixing the feeder pillar box on the existing MS Transformer housing box and painting the box with 2 coats of polyurethane paint of suitable colour along with initial coat of zinc chromate primer etc., as required.                                                                                                                                | 10.00   | Each | 11732.00 | 1,17,320.00 |
| 1.23 | Removal of old isolation transformer housing boxes from different locations in runway/taxiway/edge area after dismantling from concrete foundation, refilling of excavated concrete runway portion with cement concrete of 1:2:4 and quick setting sealant to match with runway surface, making good the runway/taxiway to the original shape, removal of all the debris from site, transportation of fittings to AAI store, stacking etc., as per the direction of Engineer in Charge complete as required.                                                                                                                                                                 | 10.00   | Job  | 1100.00  | 11,000.00   |
| 1.24 | Dismantling of HIRL/MIRL fixtures on the existing runway/taxiway circuit etc., with all its accessories and transportation of fittings to AAI store, stacking etc., as per the direction of Engineer in Charge complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50.00   | Each | 220.00   | 11,000.00   |
| 1.25 | Dismantling of existing AFL cables from existing pipes and transportation of dismantled cables from operational area to AAI store, stacking etc., as per the direction of Engineer in Charge complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1000.00 | Mtr  | 17.00    | 17,000.00   |
| 1.26 | Retrieval of existing 40/50 mm dia B class G.I. pipe from the concrete/bituminous surface i/c cutting and making good the runway/taxiway to the original shape and strength etc., including transportation to AAI store, stacking etc., as per the direction of Engineer in Charge complete as required.                                                                                                                                                                                                                                                                                                                                                                     | 500.00  | Each | 440.00   | 2,20,000.00 |
| 1.27 | Supply and fixing of 10mm thick MS plates of suitable sizes for covering the transformer housing box opening where ever required with suitable SS M10 bolts & spring washer i/c drilling, tapping etc., complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30.00   | Each | 1232.00  | 36,960.00   |
| 1.28 | Cleaning of cable crossing manhole chamber of size not more than 2m x 2m x 3m and disposal of the debris etc., as required and as per the direction of the Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10.00   | Job  | 2200.00  | 22,000.00   |
| 1.29 | Removing of existing 1 No. broken bolt from the transformer housing boxes with drilling machine, making new holes by drilling, tapping etc. to enable fixing of M10 bolts as required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1000.00 | Job  | 165.00   | 1,65,000.00 |
| 1.30 | Supply and fixing of 1 No. M10 SS bolt, washer etc., on the existing transformer housing box as required with necessary T&P.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1000.00 | Job  | 26.00    | 26,000.00   |
| 1.31 | Supply and making straight through cable joint with 11KV grade heat shrinkable cable jointing kit including ferrules and other jointing materials for PVC / XLPE insulated PVC sheathed armoured Aluminium conductor AFL cable of 5 KV grade and of size 2Cx25 Sq.mm etc., as required.                                                                                                                                                                                                                                                                                                                                                                                      | 10.00   | Each | 9206.00  | 92,060.00   |

|                  |                                                                                                                                                                                                                                                                                                                                                                    |         |       |           |                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|-----------|----------------|
| 1.32             | Providing cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) to make platform including excavation to required depth and plastering around the installed sign boards/transformer housing boxes/junction boxes etc. to required depth, as per the direction of Engineer-in-charge as required.                          | 20.00   | Cum   | 4700.00   | 94,000.00      |
| 1.33             | Painting of Elevated type Runway/Taxiway/Threshold/End/Approach light fittings etc., with two coats with Aviation Yellow Polyurethane paint including cleaning/scrapping/providing primer etc., as per the direction of Engineer-in-charge as required.                                                                                                            | 500.00  | Each  | 55.00     | 27,500.00      |
| 1.34             | Painting with two coats of Polyurethane paint (approved colour) over a coat of zinc phosphate primer to supports structure, junction boxes, feeder pillar, MS cover plates and exposed surface of MS boxes, Earth Pit cover plate etc., including cleaning/scrapping etc., as per the direction of Engineer-in-charge as required.                                 | 50.00   | Sqm   | 110.00    | 5,500.00       |
| 1.35             | Writing of 2 inch height letters/numbers for the GLF fitting on surface/MS cover plates and on the body of LT panels, feeder pillars, CCR's by Polyurethane paint of White/Red/Black/Blue colour etc., as per the direction of Engineer-in-charge as required.                                                                                                     | 1000.00 | Each  | 110.00    | 1,10,000.00    |
| 1.36             | Hire charges for deploying excavator (JCB) i/c operator and helper for tracing the cable faults, excavation & refilling of cable trench after work as required.                                                                                                                                                                                                    | 400.00  | Hours | 770.00    | 3,08,000.00    |
| 1.37             | Providing one welder and one Helper along with Electric welding / gas cutting machine and welding rods / Oxygen Acetylene gas for repairing of MS barricades and repair / refixing of doors of Electrical panels / Feeder pillars located in the operational area and other welding works wherever required.                                                       | 50.00   | Day   | 2750.00   | 1,37,500.00    |
| 1.38             | Providing 1 No. Electrician with necessary tools for emergency / unanticipated breakdown / maintenance works as and when required.                                                                                                                                                                                                                                 | 100.00  | Day   | 880.00    | 88,000.00      |
| 1.39             | Providing 1 No. Helper for emergency / unanticipated breakdown / maintenance works as and when required.                                                                                                                                                                                                                                                           | 100.00  | Day   | 770.00    | 77,000.00      |
| 1.40             | Calibration of following Electrical Instruments and including submission of calibration certificate from NABL accredited Laboratory complete as per the direction of Engineer-in-charge as required.                                                                                                                                                               |         |       |           |                |
| 1.41             | 1.40 (A) Insulation Resistance Tester                                                                                                                                                                                                                                                                                                                              | 1.00    | Job   | 5500.00   | 5,500.00       |
| 1.42             | 1.40 (B) Digital Earth Resistance Tester                                                                                                                                                                                                                                                                                                                           | 1.00    | Job   | 5500.00   | 5,500.00       |
| 1.43             | 1.40 (C) Clinometer for PAPI                                                                                                                                                                                                                                                                                                                                       | 2.00    | Job   | 11,000.00 | 22,000.00      |
| 1.44             | 1.40 (D) Tong Tester                                                                                                                                                                                                                                                                                                                                               | 2.00    | Job   | 5500.00   | 11,000.00      |
| 1.45             | 1.40 (E) Lux meter                                                                                                                                                                                                                                                                                                                                                 | 1.00    | Job   | 4400.00   | 4,400.00       |
| 1.46             | Supply and laying of Cold bituminous compound all around the existing single pocket isolation transformer box of size 300 mm x 300 mm (above 25 mm ground level) for coping to match the existing bitumen / concrete surface after applying hincol make tack coat emulsion etc. complete as required as per the direction of Engineer-In-Charge.                   | 250.00  | Job   | 400.00    | 1,00,000.00    |
| 1.47             | Supply and laying of Cold bituminous compound all around the existing double pocket isolation transformer housing box of size 650 mm x 330 mm (above 25 mm ground level) for coping to match the existing bitumen / concrete surface upto 75mm after applying hincol make tack coat emulsion etc. complete as required as per the direction of Engineer-In-Charge. | 250.00  | Job   | 600.00    | 1,50,000.00    |
| Total of SH-I(A) |                                                                                                                                                                                                                                                                                                                                                                    |         |       |           | ₹ 43,48,165.00 |
| 2.00             | SH-I: R&M of GLF at Chennai Airport. B: Supply of following materials as and when required basis                                                                                                                                                                                                                                                                   |         |       |           |                |
| 2.01             | Supply of Fabric windsock of natural (white) and black with inner lining of length 168 inch in the shape of a truncated cone as per the specifications.                                                                                                                                                                                                            | 10.00   | Each  | 4237.00   | 42,370.00      |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |      |         |               |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|---------------|
| 2.02             | Supply of spare sealed / weather proof power converter with output voltage of 24V DC capable of internally illuminating the existing LED Guidance signboards with uniform brightness when operating from 2.8A to 6.6A in Taxiway Circuits. Make NASU                                                                                                                                                                                                                                           | 60.00  | Each | 3531.00 | 2,11,860.00   |
| 2.03             | Supply of Connector kit suitable for use in the 5KV grade 1 x 6 mm2 size AFL copper conductor cable.                                                                                                                                                                                                                                                                                                                                                                                           | 50.00  | Each | 647.00  | 32,350.00     |
| 2.04             | Supply of Connector kit suitable for use in the 5KV grade 1 x 16 mm2 size AFL copper conductor cable.                                                                                                                                                                                                                                                                                                                                                                                          | 50.00  | Each | 647.00  | 32,350.00     |
| 2.05             | Supply of Connector kit suitable for use in the 5KV grade 1 x 25 mm2 size AFL Aluminium conductor cable.                                                                                                                                                                                                                                                                                                                                                                                       | 50.00  | Each | 1766.00 | 88,300.00     |
| 2.06             | Supply of 9W LED E27 Screw type, Cool day light Bulb, Philips or equivalent reputed make.                                                                                                                                                                                                                                                                                                                                                                                                      | 50.00  | Each | 129.00  | 6,450.00      |
| 2.07             | Supply of 10A, 2 Pole Porcelain Connector (As per sample)                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50.00  | Each | 59.00   | 2,950.00      |
| 2.08             | Supply of Trip Indicator HRC fuse, Eaton/Bussman make, Trip Indicator fuse Model TI 300-BTI                                                                                                                                                                                                                                                                                                                                                                                                    | 25.00  | Each | 412.00  | 10,300.00     |
| 2.09             | Supply of LED strip of size 700mm X 20mm having 11 LEDs, each of high luminous long life 0.5 W LED assembled on aluminium PCB of minimum thickness 2mm for ensuring proper heat dissipation with provision of single non reversible jack at one end for easy replacement of strip at site suitable for illumination of guidance signboards.                                                                                                                                                    | 50.00  | Each | 482.00  | 24,100.00     |
| 2.10             | Supply of 2 x 4 mm2 Secondary Leads 10m Length.                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20.00  | Each | 1942.00 | 38,840.00     |
| 2.11             | Supply of 2 x 4 mm2 Secondary Leads 27m Length.                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20.00  | Each | 4443.00 | 88,860.00     |
| 2.12             | Supply of 200W 6.6A Bi-pin Halogen lamps for Runway Edge light fixture. (Cat No. 64386 Osram or Equivalent) as required.                                                                                                                                                                                                                                                                                                                                                                       | 50.00  | Each | 647.00  | 32,350.00     |
| 2.13             | Supply of 200W 6.6A Halogen lamps with PK-30d base and male connector. (Cat No. 64382 Osram or Equivalent) as required.                                                                                                                                                                                                                                                                                                                                                                        | 50.00  | Each | 971.00  | 48,550.00     |
| 2.14             | Supply of 105W 6.6A Prefocus dichroic coated reflector lamps suitable for inset type light fixtures (Cat No. 64339A of Osram or Equivalent) as required.                                                                                                                                                                                                                                                                                                                                       | 50.00  | Each | 1042.00 | 52,100.00     |
| 2.15             | Supply of 100W 6.6A Halogen lamps with PK-30d base and male connector. (Cat No. 64342 Osram or Equivalent) as required.                                                                                                                                                                                                                                                                                                                                                                        | 50.00  | Each | 971.00  | 48,550.00     |
| 2.16             | Supply of 48W 6.6A Prefocus dichroic coated reflector lamps suitable for inset type Runway TDZ and Runway Centreline light fixtures (Cat No. 64337B of Osram or Equivalent) as required.                                                                                                                                                                                                                                                                                                       | 50.00  | Each | 930.00  | 46,500.00     |
| 2.17             | Supply of Elevated Omni directional LED type medium Intensity Obstruction Light Fittings, consisting of LED, Lens supporting Mechanism, Lens clamp Mechanism, Omni directional Red Lens, driver unit, Central Column Assembly, Breakable Coupling, two pin secondary connecting lead, with base plate etc., i/c supply of adapter box for mounting the fitting etc., with all other accessories and meeting ICAO/FAA specifications                                                            | 10.00  | Each | 3745.00 | 37,450.00     |
| 2.18             | Supply and fixing of G.I. approach bird spike (Clamp) with double coating enamel paint for Runway approach light fittings with all other accessories complete as required.                                                                                                                                                                                                                                                                                                                     | 10.00  | Each | 349.00  | 3,490.00      |
| Total of SH-I(B) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |      |         | ₹ 8,47,720.00 |
| 3.00             | SH-II: R&M of Electrical Installations in Operational Area at Chennai Airport. (A) Works                                                                                                                                                                                                                                                                                                                                                                                                       |        |      |         |               |
| 3.01             | Maintenance of High masts (height 10-30 metres) which includes lowering of highmast lantern carriage, checking, adjustment and replacement of all mechanical components like wire rope, trailing cable, drum, winch, power tool etc., if required (Materials will be given by the department). Checking and adjustment of electrical components like cable, luminaries etc., and replace if required and raising the lantern carriage to the top, testing and commissioning etc., as required. | 100.00 | Each | 4950.00 | 4,95,000.00   |
| 3.02             | Dismantling the highmast of height above 10.0m and upto 20.0 m from the foundation to replace the damaged pulley / wire rope / trailing cable and reinstallation of the high mast after repair in the same foundation using crane and other appropriate equipments complete as required.                                                                                                                                                                                                       | 8.00   | Each | 8800.00 | 70,400.00     |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |      |           |             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|-----------|-------------|
| 3.03 | Dismantling the highmast of height above 20.0m and upto 30.0 m from the foundation to replace the damaged pulley / wire rope / trailing cable and reinstallation of the high mast after repair in the same foundation using crane and other appropriate equipments complete as required.                                                                                                                                                                                                                                                                                                                                                                              | 1.00  | Each | 11000.00  | 11,000.00   |
| 3.04 | Design and Construction of suitable shallow foundation with anchor plates, templates as per the OEM recommendation of high masts i/c fixing of foundation bolts supplied for high mast with M20 grade concrete for following height high masts after testing the soil bearing capacity at site and installation of highmasts on the base using suitable heavy equipments, installation of required No. of LED light fittings / components with switch gear arrangement on the lantern carriage, installation of LED aviation obstruction lights, installation of control panel, interconnecting cables, wiring, testing and commissioning etc., complete as required. |       |      |           |             |
| 3.05 | 3.04 (a) 15 - 20 m height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00  | Each | 110000.00 | 1,10,000.00 |
| 3.06 | 3.04 (b) 20 - 30 m height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00  | Each | 110000.00 | 1,10,000.00 |
| 3.07 | Dismantling of unserviceable winch gear assembly from the high mast, complete overhauling of the winch gear assembly i/c replacement of parts such as shaft, bearing, oil seals and filling up with lubricating oil etc., and refixing the winch gear assembly i/c. testing and commissioning etc., as required.                                                                                                                                                                                                                                                                                                                                                      | 2.00  | Each | 2200.00   | 4,400.00    |
| 3.08 | Dismantling of drive motor from the high mast, cleaning, greasing and painting of the motors, reinstallation in the high mast i/c testing and commissioning etc., as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.00  | Each | 3300.00   | 16,500.00   |
| 3.09 | Dismantling of unserviceable / burntout motor of rating upto 1.5HP motor from the high mast. Complete dismantling of burntout motor stator winding and thorough cleaning of stator slots, Rewinding the stator with Class 'F' polyester coated super enameled copper wire and insulating materials i/c baking, varnishing, finishing and refixing the stator in the motor frame. Replacement of both end bearings and reinstallation in the high mast i/c testing and commissioning etc. as required. (Dismantled copper wire is to be retained by the contractor)                                                                                                    | 5.00  | Each | 8800.00   | 44,000.00   |
| 3.10 | ITC of 2m height tubular swaged pole with base plate in cement concrete foundation of size 750 mm below ground level and 300 above ground level with base of 100 mm 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and foundation 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including excavation, shuttering and provision of foundation bolts and nuts, installation of LED light fixture, supply and laying of required length 3x 1.5 Sq.mm copper cable multi core cable connections etc., complete as required as per instructions of Engineer-In-Charge.                                    | 10.00 | Each | 33000.00  | 3,30,000.00 |
| 3.11 | Supply and Installation of 2m x 2m MS Barricade made out of ISMB 150 channel around the high mast with 4 Nos of ISMB 150 Channels 1 metre above ground level and 0.3 metre below ground level for vertical support including excavation of soil, providing 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement concrete and disposal of the excavated soil etc. including welding, painting with one coat of zinc chromate and two coats of polyurethane paint of colour red and white etc. complete as required as per the instructions of Engineer-In-Charge.                                                                     | 5.00  | Job  | 38500.00  | 1,92,500.00 |
| 3.12 | Supply and Installation of 2m x 2m MS Barricade made out of ISMB 150 channel around the high mast with 4 Nos of ISMB 150 Channels 1 metre above ground level and 0.3 metre below ground level for vertical support including excavation of concrete / bitumen surface of required dia with core cutting machine, providing 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement concrete and disposal of the excavated soil etc. including welding, painting with one coat of zinc chromate and two coats of polyurethane paint of colour red and white etc. complete as required as per the instructions of Engineer-In-Charge.     | 5.00  | Job  | 44000.00  | 2,20,000.00 |

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|----------|----------------|
| 3.13               | Supply and installation of ISMB 150 Channel for the damaged MS Barricade including welding, painting with one coat of zinc chromate and two coats of polyurethane paint of colour red and white etc. complete as required as per the instructions of Engineer-In-Charge. (Measurement shall be done on linear measurement)                                                                                                                                                                                                                                                                                       | 50.00  | Metre | 2200.00  | 1,10,000.00    |
| Total of SH-II (A) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |       |          | ₹ 17,13,800.00 |
| 4.00               | SH-II: R&M of Electrical Installations in Operational Area at Chennai Airport. (B) Supply of following spares as and when required:                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |       |          |                |
| 4.01               | Fabrication and Supply of 2m height tubular swaged pole with 5.4mm thick 114mm dia (heavy duty) upto 1m length with door provision for providing and fixing 1 number 5-32A 'C' Series SP MCB and 63A 4 way connector in the bottom and 4.5mm thick 88mm dia (heavy duty) for balance length suitable for mounting 1 No. 35W LED fixture, with 16mm thick base plate of dimension 250mm x 250mm, 4 Nos of 12mm dia 500mm long EN-8 foundation bolts and nuts and other accessories and painted with one coat of zinc chromate primer and two coats of polyurethane paint of approved colour complete as required. | 10.00  | Each  | 23540.00 | 2,35,400.00    |
| 4.02               | Supply of Double drum winch suitable for 30m highmast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.00   | Each  | 16478.00 | 16,478.00      |
| 4.03               | Supply of Stainless steel wire rope 6mm dia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200.00 | Mtr   | 165.00   | 33,000.00      |
| 4.04               | Supply of Wire clamps (U type)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.00  | Each  | 59.00    | 2,950.00       |
| 4.05               | Supply of Lantern Carriage resting arm (Set of 3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.00   | Each  | 1530.00  | 3,060.00       |
| 4.06               | Supply of Headframe pulley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.00   | Each  | 5885.00  | 11,770.00      |
| 4.07               | Supply of Eye Bolt with Clamps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20.00  | Each  | 1412.00  | 28,240.00      |
| 4.08               | Supply of Drive chain with connecting pins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5.00   | Each  | 7222.00  | 36,110.00      |
| 4.09               | Supply of Ratchet wheel set (Torque limiter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.00   | Each  | 765.00   | 1,530.00       |
| 4.10               | Supply of Gear oil SAE 140 (5 Litre Can) (IOCL/BPCL/HPCL/CASTROL make)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.00   | Each  | 431.00   | 1,724.00       |
| 4.11               | Supply of 16A, 5pin splash proof Insulated plug socket set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8.00   | Each  | 235.00   | 1,880.00       |
| 4.12               | Supply of 8C 2.5 mm <sup>2</sup> copper conductor, EPR insulated, PC tape, PCP outer sheathed Elastomeric Rubber cable of 1.1KV grade for use in highmasts as trailing cable.                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50.00  | Mtr   | 405.00   | 20,250.00      |
| 4.13               | Supply of 1.1kW(1.5HP), 415V, 50Hz, 989 RPM ( 6 pole motor), S1 duty, IP55 with Class F Insulation Energy Efficient, TEFC, Induction motor conforming to IS 12615 for highmast drive application with all accessories.                                                                                                                                                                                                                                                                                                                                                                                           | 5.00   | Each  | 14322.00 | 71,610.00      |
| 4.14               | Supply of Power contactor 32A, 3 Pole, 230V coil, MNX 32, L&T Make or equivalent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5.00   | Each  | 1040.00  | 5,200.00       |
| 4.15               | Supply of Digital timer Switch L&T make (Crono) or equivalent, 240 VAC, Base DIN 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20.00  | Each  | 2977.00  | 59,540.00      |
| 4.16               | Supply of 6A, Single pole, 10KA, C series MCB, Havells or equivalent make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.00   | Each  | 194.00   | 970.00         |
| 4.17               | Supply of 10A, Double pole, 10KA, C series MCB, Havells or equivalent make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5.00   | Each  | 705.00   | 3,525.00       |
| 4.18               | Supply of 32A, Four Pole, 10KA, C series MCB, Havells or equivalent make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.00   | Each  | 1442.00  | 2,884.00       |
| 4.19               | Supply of 63A, Four Pole, 10KA, C series MCB, Havells or equivalent make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.00   | Each  | 1883.00  | 3,766.00       |
| 4.20               | Supply of 4C 2.5 mm <sup>2</sup> flexible copper conductor FRLS PVC insulated PVC round sheathed, 1100 Volts conforming to IS:694 ISI of approved make (1 No. = 1 coil of 100m length)                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.00   | Each  | 10858.00 | 54,290.00      |
| 4.21               | Supply of 4C 4 mm <sup>2</sup> flexible copper conductor FRLS PVC insulated PVC round sheathed, 1100 Volts conforming to IS:694 ISI of approved make (1 No. = 1 coil of 100m length)                                                                                                                                                                                                                                                                                                                                                                                                                             | 5.00   | Each  | 16260.00 | 81,300.00      |
| 4.22               | Supply of following size of XLPE insulated PVC sheathed Aluminium conductor armoured power cable of 1.1 KV grade conforming to IS-7098 Part-I amended upto date etc., complete as required.<br>a) 4C x 16 Sq.mm                                                                                                                                                                                                                                                                                                                                                                                                  | 300.00 | Mtr   | 131.00   | 39,300.00      |
| 4.23               | Supply of Wall Mounting Fan of 400 mm or 16" dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15.00  | Each  | 2529.00  | 37,935.00      |

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| 4.24               | Supply of LED flood light with more than 3500 lm at the system power consumption range of 35W with pressure diecast aluminium housing body with optimal heatsink for better thermal dissipation. Rated life of burning hrs 50000hr @ lumen maintenance of 70% CCT>5700K, IP66 optical and electrical compartment & impact resistance of complex luminaires>IK07. Powerfactor>0.95 & mains current shall not be greater than 0.1A to 0.7A & Surge protection - min 5 KV alongwith driver and THD should be less than 10%. LED Driver shall be potted type suitable to operate wide voltage range from 120-270V, 50/60Hz application. LED shall be high power SMD (Not COB) with secondary lens with efficiency > 100 lm/watt & fixture efficiency > 100 lm / with nominal CRI of 70. LED make shall be Nichia / CREE / Philips (Lumiled) / Osram / Sharp / Seoul. Make : Crompton Model No.LFLN11-35-CDL/60 or equivalent.                                | 10.00  | Each | 2089.00   | 20,890.00      |
| 4.25               | Supply of 350W Integrated LED type flood light luminaire with pressure die cast housing and heat sink in aluminium extrusion with IP65 protection complete with all accessories. ( 350W LED Bajaj make or equivalent)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10.00  | Each | 17067.00  | 1,70,670.00    |
| 4.26               | Supply of LED Aviation Obstruction light in cast aluminium housing with polycarbonate enclosure as per ICAO standards of Bajaj make Cat No. BGAV 302 LED or equivalent models of Insta Power/Crompton/Philips.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10.00  | Each | 6356.00   | 63,560.00      |
| 4.27               | Supply of 20W, LED street light fitting with aluminium die cast housing with highpower LED's with IP65 protection. (Cat No. BRP042 of Philips or Equivalent) as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.00  | Each | 1212.00   | 12,120.00      |
| 4.28               | Supply of LED driver for 350W Bajaj make model BENP20FL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.00  | Each | 5885.00   | 2,94,250.00    |
| 4.29               | Supply of SPD for 350 W Bajaj Make Model BENP20FL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 50.00  | Each | 16050.00  | 8,02,500.00    |
| 4.30               | Supply of 40 mm dia (OD) PN 6, PE 63 of HDPE pipe ISI marked conforming to IS:4984 along with all its necessary accessories like couplers etc., complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300.00 | Mtr  | 60.00     | 18,000.00      |
| 4.31               | Supply of 63 mm dia (OD) PN 6, PE 63 of HDPE pipe ISI marked conforming to IS:4984 along with all its necessary accessories like couplers etc., complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 300.00 | Mtr  | 147.00    | 44,100.00      |
| 4.32               | Supply of SMC Junction box of following size:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |      |           |                |
| 4.33               | 4.32 (a). 250mm x 200mm x 105mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.00   | Each | 942.00    | 4,710.00       |
| 4.34               | 4.32 (b). 285mm x 200mm x 150mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.00   | Each | 1177.00   | 5,885.00       |
| Total of SH-II (B) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |      |           | ₹ 21,89,397.00 |
| 5.00               | DSR ELECTRICAL -2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |      |           |                |
| 5.01               | Execution of Items of CPWD Delhi Schedule Rates (DSR) E&M 2022 as and when required for attending Repair and Maintenance, Breakdowns and Upkeep of Internal and External Electrical Installations as per Direction of Engineer-In-Charge at All Locations under Chennai Airport conforming to CPWD General Specifications for Electrical Works Part-I (Internal) 2013, Part-II (External) 1994 and Part-IV (Substation) 2013 and also to relevant BIS Specifications. Note: The Bidder shall quote the Rate in INR only for the Job corresponding to the Base Rate (Rs. 7,00,000.00 as per Proposed Estimate) and Percentage (%) Above/ Below shall be calculated by AAI (Based on Quoted Rate w.r.t Base Rate) and the same % shall be calculated by AAI (Based on Quoted Rate w.r.t Base Rate) and the same % worked out will be applied on DSR Rates while executing the DSR Items and will be paid as per Payment Methodology given in Annexure -A). | 1.00   | Job  | 280000.00 | 2,80,000.00    |

Total of DSR ELECTRICAL - 2022 ₹ 2,80,000.00

Total of SH-I (A) + SH-I (B) + SH-II (A) + SH-II (B) + DSR ELECTRICAL - 2022 ₹ 93,79,082.00

Say ₹ 93,79,082.00

Rupees Ninety Three Lakhs Seventy Nine Thousand and Eighty Two Only

Note: GST extra as applicable

Signature Not Verified  
(A. Mariappan)  
Digitally signed by A. Mariappan, DN: cn=A. Mariappan, o=Central PSUs, ou=Central PSUs, email=A. Mariappan@centralpsus.gov.in, c=IN, Date: 2024.09.03 20:15:59 IST  
Location: eProcurement System for Central PSUs