



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

भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG/ELEC/AMED-IX/ CCR HALL/24-25/A-43

Date: 23.12.2024

M/s. Awasthi Electric Works
107/265, Brahma Nagar,
Kanpur - 208 012.

Name of Work: Shifting of CCR Hall to Operational Area at Chennai Airport, Chennai.
SH: IEI Works .

Ref: Tender ID- 2024_AAI_209174_1

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 ₹ 40,33,375.00 (Rupees Forty Lakh Thirty Three Thousand Three Hundred and Seventy Five Only) excluding GST which is 26.73% below the Estimated cost of ₹ 55,04,493.00 (Rupees Fifty Five Lakh Four Thousand Four Hundred and Ninety Three Only) excluding GST put to tender.
2. Joint General Manager (Engg-Elect.), AAI, Chennai Airport, Chennai - 600 016 shall be the Engineer-in-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg-Elect.), AAI, Chennai Airport by 01.01.2025 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 ₹ 4,03,338.00 (Rupees Four Lakh Three Thousand Three Hundred and Thirty 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 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 12 (Twelve Months) and the same shall be reckoned with effect from 02.01.2025

फैक्स: 044 - 2256 0008 ईपीएबीएक्स: 2256 0551, चेन्नईहवाईअड्डे, चेन्नई - 600 016.
Fax: 044 - 2256 0008 EPABX: 2256 0551, Chennai Airport, Chennai - 600 016.



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6. You are also directed to contact Asst. Gen. Manager Engg. (Elect.), Airport Maintenance Electrical Division-IX, 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)

Joint General Manager (Engg. -Elect.)

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

Encl: Schedule of Work (10 Pages)

**AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT::CHENNAI 600 016**

SCHEDULE OF WORK

NAME OF WORK : Shifting of CCR Hall to Operational Area at Chennai Airport, Chennai.

SH: IEI Works

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
SH:I	Internal Electrification Works				
1	Wiring for light point/ fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
1.01	Group C	165	Point	1,600.00	2,64,000.00
2	Wiring for twin control light point with 1.5 sq.mm FRLSH PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLSH PVC insulated copper conductor single core cable etc. as required.	3	Point	1,750.00	5,250.00
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	540	Mtr	250.00	1,35,000.00
3.02	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	500	Mtr	285.00	1,42,500.00
3.03	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	150	Mtr	330.00	49,500.00
3.04	4 X 2.5 sq. mm + 2 X 2.5 sq.mm earth wire	560	Mtr	430.00	2,40,800.00
3.05	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	300	Mtr	530.00	1,59,000.00
4	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLSH PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq.mm FRLSH PVC insulated copper conductor single core cable etc. as required.				
4.01	Group B	442	Point	700.00	3,09,400.00
5	Supplying and drawing following pair 0.5 mm dia FRLSH PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
5.01	4 Pair	300	Mtr	60.00	18,000.00
6	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	300	Mtr	55.00	16,500.00
7	Supplying and drawing 1 run of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.	100	Mtr	50.00	5,000.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
8	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
8.01	20 mm	100	Mtr	170.00	17,000.00
8.02	25 mm	350	Mtr	200.00	70,000.00
9	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
9.01	5/6 A switch	18	Each	90.00	1,620.00
9.02	3 pin 5/6 A socket outlet	18	Each	135.00	2,430.00
9.03	Telephone socket outlet	5	Each	130.00	650.00
9.04	TV antenna socket outlet	4	Each	130.00	520.00
9.05	Data outlet one module for Data Points (RJ-45)	4	Each	250.00	1,000.00
10	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
10.01	1 or 2 Module	9	Each	260.00	2,340.00
10.02	9 Module	6	Each	525.00	3,150.00
11	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	60	Each	425.00	25,500.00
12	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required	21	Each	525.00	11,025.00
13	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
13.01	8 way (4 + 24), Double door	7	Each	4,800.00	33,600.00
14	Supplying and fixing Cable End Box (Loose wire box)(IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required.				
14.01	For 8 way, Double door TPN MCBDB	7	Each	1,350.00	9,450.00
15	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C"curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
15.01	(0-32) A SP	168	Each	190.00	31,920.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
16	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
16.01	63A FP	7	Each	850.00	5,950.00
17	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	13	Each	1,600.00	20,800.00
18	Supplying and fixing of 40mm dia medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	50	Mtr	90.00	4,500.00
19	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc.as required.				
19.01	300 mm width X 62.5 mm depth X 2.0 mm thickness	150	Mtr	950.00	1,42,500.00
20	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
20.01	300 mm width X 62.5 mm depth X 2.0 mm thickness	10	Each	1,800.00	18,000.00
21	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
21.01	300 mm width X 62.5 mm depth X 2.0 mm thickness	4	Each	2,550.00	10,200.00
22	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Cross member"(galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.				
22.01	300 mm width X 62.5 mm depth X 2.0 mm thickness	2	Each	3,000.00	6,000.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
SH:II	Supply and Laying of Cables, Earthing				
23	Supply of Copper Conductor, FR PVC insulated, PVC sheathed, un-armoured power cable of 1.1 KV grade of following Sizes conforming to IS 694 as amended upto date as required.				
23.01	3Cx2.5 sq.mm.	250	Mtr	125.00	31,250.00
24	Supply of Aluminium Conductor, XLPE insulated, PVC sheathed, armoured power cable of 1.1 KV grade of following sizes conforming to IS 7098 (Part-1) as amended upto date as required.				
24.01	4C X 25 Sqmm.	330	Mtr	245.00	80,850.00
25	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
25.01	4 X 25 sq. mm (28mm)	7	Set	250.00	1,750.00
26	Drawing following size of PVC insulated copper conductor flexible cable in the existing surface/recessed steel/PVC conduit as required.				
26.01	3C x 2.5 sq.mm	250	Mtr	50.00	12,500.00
27	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required				
27.01	Upto 35 sq. mm	50	Mtr	30.00	1,500.00
28	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.				
28.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	280	Mtr	50.00	14,000.00
29	Supply and fixing of weather proof IP 66/67 Polycarbonate Box (similar to Hensel: KF 0404 G) on the wall surface including providing & fixing suitable connectors for loop in & loop out 3 core 2.5 sq.mm. copper flexible cable including termination of the cable with weather proof IP65 glands etc. as required.	20	Each	950.00	19,000.00
30	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required	660	Mtr	30.00	19,800.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
SH:III	Light Fixtures and Fans				
31	Supply of LED Well Glass Light Fixture made of Single piece pressure die cast aluminium housing and Poly Carbonate Clear/Milky shade lens to avoid glare including driver compartment with luminaire efficacy of not less than 100 lm/W and minimum Lumen Output of 4000 Lumens suitable to operate 140 - 270V AC supply, LED Colour Temperature from 5700K- 6500K with minimum 50000 burning hours life, operating at a temperature of -10°C to +50° C, IP 20 protected meeting the technical specifications with eye bolt, complete with all accessories etc as required.	438	Each	1,250.00	5,47,500.00
32	Supply of LED flood light luminaire made of pressure die cast aluminium housing with toughened glass and High Purity lens optics with Surface Mounted Device (SMD) LEDs having System efficacy of more than 110 lm/W and minimum Lumen Output of 8800 Lumen with hermitically sealed separate compartments for LEDs and driver suitable to operate in temperature range of 0° to 50° C and on 230 Volt, 50 Hz AC Supply and with Lighting Characteristics of CCT of 5665 ± 355 Kelvin, CRI not less than 70, provided with 4 KV internal Surge Protection and 10 KV external surge protection, IP 66 Ingress Protection complete with all accessories etc., and meeting the techno commercial specifications as required.	20	Each	3,100.00	62,000.00
33	Supply of 600mm x 600mm, Surface Mounted LED fixture with powder coated CRCA housing having luminaire efficacy of not less than 100 lm/W and minimum Lumen Output of 3600 Lumen suitable to operate 140 - 270V AC supply, LED Colour Temperature from 5700K- 6500K with minimum 50000 burning hours life, operating at a temperature of -10°C to +50° C, IP 20 protected, complete as required and meeting the technical specifications as required.	75	Each	1,750.00	1,31,250.00
34	Supply of LED industrial batten made of Powder coated aluminium extrusion housing and Special opal diffuser for uniform light output, having luminaire efficacy of not less than 100 lm/W and minimum Lumen Output of 4000 Lumen suitable to operate 150 - 270V AC supply, LED Colour Temperature from 5700K - 6500K with minimum 50000 burning hours life, operating at a temperature of -10°C to +50° C, IP 20 protected, complete as required and meeting the techno commercial specifications as required.	32	Each	390.00	12,480.00



Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
35	Supply of LED surface mount down lighter made of aluminium pressure die-cast housing and opal diffuser for uniform lighting with luminaire efficacy of not less than 100 lm/W and minimum Lumen Output of 2400 Lumen suitable to operate 150 – 270V AC supply, LED Colour Temp. from 5700K- 6500K with Minimum 50000 burning hours life, operating at a temperature of -10°C to +50° C, IP 20 protected, complete as required and meeting the techno commercial specifications as required.	36	Each	1,050.00	37,800.00
36	Supply of 1200mm sweep, BLDC BEE 5 star rated ceiling fan suitable for 230 Volt 50 Hz AC Supply, with minimum 350 RPM and minimum Air delivery of 220 CMM with 30 cm down rod and other accessories, canopies, with out regulator etc. complete as required	20	Each	2,300.00	46,000.00
37	Supply of 1400mm sweep, BLDC BEE 5 star rated ceiling fan suitable for 230 Volt 50 Hz AC Supply, with minimum 300 RPM and minimum Air delivery of 240 CMM minimum with 30 cm down rod and other accessories, canopies, with out regulator etc. complete as required.	14	Each	2,650.00	37,100.00
38	Supply of 300mm sweep, metallic exhaust fan of minimum 1400 RPM, suitable for 230 Volt 50 Hz AC supply including all accessories etc. as required.	10	Each	2,350.00	23,500.00
39	Supply of 450mm sweep, metallic exhaust fan, minimum 1400 rpm, suitable for 230 volt 50 HZ Supply including all accessories etc. as required.	16	Each	3,450.00	55,200.00
40	Supply of 600mm sweep, metallic Air circulator of wall mounted type with minimum 1440 RPM and minimum Air delivery of 250 CMM and having minimum noise level 60-65 db suitable for 230 Volt 50 Hz AC Supply including all accessories etc. as required.	10	Each	5,800.00	58,000.00
41	Supply of 3 kW high-grade magnesium oxide insulated copper element Instant Electric Water Geyser of minimum 3 litres storage capacity made of inner tank of high-grade 304 Stainless Steel and Rust-proof high-quality polymer constituents outer body with all standard accessories such as pressure release valve, ISI marked thermostat, disc type snap action safety device and anti-siphon protection etc., as required.	4	Each	3,200.00	12,800.00
42	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	2	Each	2,500.00	5,000.00
43	Installation, testing and commissioning of ceiling fan, including wiring the down rods of length upto 60cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	34	Job	180.00	6,120.00



Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
44	Installation of exhaust fan Upto 450 mm sweep in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	26	Job	400.00	10,400.00
45	Installation, testing and commissioning of light fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLSH PVC insulated, copper conductor, single core cable and earthing etc. as required.	603	Each	150.00	90,450.00
SH:IV	Lightning Arrester				
46	Supply & Installation of Vertical Air Termination solid Aluminium with base - 16 mm dia and 1000 mm long. Air Terminal Base should be tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform.	2	Job	1,750.00	3,500.00
47	Supply and Installation of Vertical Air Termination Solid Aluminium with base - 16 mm dia and 1000 mm long. Air Terminal Base should be tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform, MAST 34mm dia 3 mtr long - Cold Galvanised for Side Mounting With minimum 3 Nos GI-C-type Holder and other accessories without Base Plate complete as required.	6	Job	6,200.00	37,200.00
48	Supply & Installation of Vertical Air Termination Solid Aluminium with base - 16 mm dia and 1000 mm long. Air Terminal Base should be tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform, MAST 34mm dia 3 mtr long - Cold Galvanised for RCC Roof with Base Plate.	1	Job	6,500.00	6,500.00
49	Supply, fixing, testing and commissioning of 8mm dia Aluminium Round Conductor including expansion piece at every 20 Mtr to meet the requirements as per IS/IEC 62305 and IEC/EN 62561-2.	415	Mtr	120.00	49,800.00
50	Supply, fixing, testing and commissioning of Al Round Conductor Holder on wall surface with accessories Stainless Steel Self-Threaded Screw With washer to meet requirements to IEC/EN 62561-1.	415	Job	120.00	49,800.00
51	Supply and fixing of Concrete block for Conductor fixing- 100x100x50mm thick.	10	Job	145.00	1,450.00
52	Supply & Installation of Expansion Piece without connector compensate the expansion and contraction of Solid Round AL Conductor during temperature variations to be provided on conductors length over 20 meters to connect Solid Round Al Conductor at both ends to meet the requirements of IS/IEC 62305.	4	Job	495.00	1,980.00
53	Supply, fixing, testing and commissioning of Stainless Steel Universal Clamp as per IEC/EN 62561-1 etc complete as required	20	Job	180.00	3,600.00
54	Supply fixing, testing and commissioning of AL Straight Splicers for 8mm/10mm conductor as per IEC/EN 62561-1 etc complete as required	13	Job	180.00	2,340.00

Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
55	Supply, fixing, testing and commissioning of Test Clamp For Connecting down conductors with earth entries or for connecting conductors of different materials (Al round conductor for down conductor to connect 25 mm x 6 mm GI earth strip along with GI Strip holder), as per IEC/EN-62561-1 etc complete as required.	10	Job	295.00	2,950.00
56	Supply & Installation of 25X6 mm GI strip on surface/in ground as required from Al conductor to the earth pit.	50	Mtr	225.00	11,250.00
57	Supply & Fixing of concrete block for fixing/Mounting Vertical Air Termination / Mast on RCC Floor with special concrete compound for mounting of interception rod using anchor.	4	Job	600.00	2,400.00
58	Supply and Installation of Electrode Cu bonded steel Rod 14.2mm dia x 3000mm (250 microns), 14.2 OD SS clamp both side, eco safe carbon based backfill compound - 25 kg, with 450mmx450mm concrete chamber etc complete as required.	10	Job	9,500.00	95,000.00
59	Providing and fixing 25mm x 5mm G.I Strip in 40mm dia G.I. Pipe for interconnection of earth pits including connection with G.I nut, bolt, spring, washer excavation and re-filling etc. as required.	230	Mtr	650.00	1,49,500.00
SH: V	Fire Alarm System and Fire Fighting				
60	Supply, Installation, Testing & Commissioning of UL / EN listed Modular Microprocessor based expandable intelligent Addressable Type Fire Alarm Control Panel of 1 loop, with minimum 80 character graphics / LCD display with touch screen or other keypad and minimum 200 events history log in the non volatile memory (EPROM), The panel should be equipped with loop capacity to take minimum 240 intelligent addressable detectors/ devices (In any combination) in one loop. The panel should operate on 230 volts, 50 Hz AC power supply, automatic battery charger, 24 volts sealed maintenance free lead acid batteries sufficient for 2 hours normal working and then be capable of operating the system for 30 minutes during an emergency / fault conditions along with battery stand as required.	1	Job	85,000.00	85,000.00
61	Supply, Installation, Testing & commissioning of UL / EN listed intelligent addressable multi criteria detector {Smoke + heat } with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications, complete as required. (Cost of plug in common base shall deemed to be included in cost of detectors)	45	Job	2,250.00	1,01,250.00

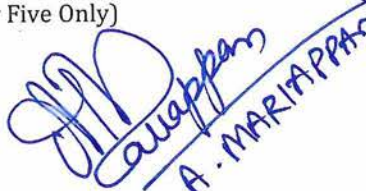
Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
62	Supply, installation, testing and commissioning of UL / EN listed intelligent Addressable type Heat Detector (Fixed cum-rate of rise type) with inbuilt fault isolator / isolator base with max triggering temperature programable from 58 degree C to 69 degree C complete with all fixing accessories like base, base box, self adhesive sticker indicating loop number and address etc. to be installed below /above false ceiling, roof and concealed space, etc. interconnecting to loop cable, etc. as per specification complete as required.	2	Job	2,250.00	4,500.00
63	Supply, Installation, Testing & commissioning of UL / EN listed intelligent addressable Manual call station (Resettable pull / push type) suitable for semi flush mounting, IP 54 for indoor use & IP 65 for outdoor use with inbuilt fault isolator / isolator module with double gang outlet box, equipment for key operated test-reset lock, electronic or rotary switches for address setting. Manual pull station shall be connected with two wire to SLC loop of Fire Control Panel. Cover shall be made out of LEXAN (or polycarbonate equivalent) with clear operating instruction and the word Fire appearing on the front complete with connections etc. as required and as per enclosed specifications.	3	Job	9,000.00	27,000.00
64	Supply, installation, testing and commissioning of UL / EN listed loop powered addressable Hooter-cum- strobe with inbuilt fault isolator / isolator module with adjustable sound level in the range of min. 90 db to Max. 120 db at 1M distance complete with termination etc. as required and as per enclosed specification.	3	Job	6,000.00	18,000.00
65	Providing, installation, testing & commissioning of UL / EN listed Monitor Module / input module with inbuilt fault isolator / isolator module (for monitoring different electrical / mechanical device etc) as per specifications.	3	Job	4,000.00	12,000.00
66	Supplying & laying of 2 x 1.5 sqmm XLPE Insulated FRLS sheathed armoured cable of 1.1KV grade with annealed copper conductor conforming to IS 7098 (Part-I) complete as required.	500	Mtr	150.00	75,000.00
67	Supply, installation, testing and commissioning ISI marked (IS:15683) Fire Extinguisher, Carbon-di-oxide type capacity 4.5 Kg. Flat base including valve, discharge hose of not less than 10 mm dia, 1M long and complete in all respects including initial fill with CO2 gas conforming to IS:307-1966 and wall suspension bracket complete as required & as per specifications.	12	Job	8,500.00	1,02,000.00



Sl. No.	Description of Items	Qty	Unit	Basic Rate (Excluding GST)	Amount (Excluding GST)
68	Supply, installation, testing and commissioning of 6kg ABC (Powder Type) Fire Extinguisher, Mild Steel Cylinders ISI marked fitted with pressure indicating gauge, internal tube, squeeze lever type valve fully charged with ABC 90 powder (Mono Ammonium Phosphate) pressured by Nitrogen complete in all respects including wall suspension bracket complete and conforming to IS:15683 as required and as per specifications.	6	Job	4,500.00	27,000.00
SH:VI	SITC of Submersible pumps				
69	SITC of 3hp 3phase borwell type submersible pump set, water filled cooling typewith SS strainer, SS body, noryl impellers using anti friction bearing, energy efficient type operated on 415V 3phase 50Hz power for installation into 6-inch dia. Bore well along with the supply and installation of suitable size NRV, Butterfly valve, GI flange, Holding Clamp for GI pipe including all accessories as per site complete etc., as required. (maximum borewell depth 300 feet), (model No. KS4D 3017, make kirloskar or equivalent)	1	Job	31,000.00	31,000.00
70	Supply and laying of 3 core 4sqmm copper flat PVC insulated and PVC sheathed industrial cable for submersible pump motors 1100V, conforming to IS 694, suitable for installion with deep borewell pump of suitable length etc as required.	50	Mtr	250.00	12,500.00
71	SITC of 3HP/2.2 KW DOL starter panel with single phase preventor suitable to operate with 415V, 50 Hz, 3 phase AC power supply including all acessories etc. complete as required.	1	Each	9,000.00	9,000.00
72	Supply and fixing of 50mm B class GI pipe in the existing borewell of 2"/1.5" dia, along with supply and installation of suitable size GI coupling, GI elbow, Nipple, heavy duty 16mm Nylon rope etc. including cutting, pipe fitting (elbow, flange valves, clamps etc) complete as required.	50	Mtr	650.00	32,500.00
	TOTAL				40,33,375.00

(Rupees Forty Lakh Thirty Three Thousand Three Hundred and Seventy Five Only)

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


JGM (E-E)
AAI, Chennai Airport