



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

No. AAM/ENGG (E)/AMED-IX/ARC L&F/2020-21/A-31

Date: 30.12.2020

To

M/s. Mano Prabha Electricals
Plot No. 28, A. Sundaram Nagar
Near kamala Subramaniam Metric School
Pudukkottai Road,
Thanjavur – 613 005.

Sub: Annual Rate Contract for Supply of LED Light, Fans and Street Light Poles for Ancillary Buildings at Chennai Airport.

Ref: Tender ID: 2020_AAI_62060_1
Tender Ref. No. AAM/ENGG (E)/AMED-IX/ARC L and F//20-21/2

Dear Sir (s),

1. Your E-tender for the above mentioned work is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 27,20,225.00 (Rupees Twenty-Seven Lakhs Twenty Thousand Two Hundred and Twenty-Five Only) which is 32.317% below the Estimated Cost of Rs. 40,19,039.00 (Rupees Forty Lakhs Nineteen Thousand and Thirty-Nine Only) which is inclusive of all the taxes, duties, levies and octroi etc., Except GST which will be paid extra as applicable.
2. Joint General Manager (Engg-Elect)-II, AMED, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600027 shall be the Engineer-In-Charge of the work. You are requested to attend to the Office of Joint General Manager (Engg-Elect)-II, AMED AAI, Chennai Airport by 10.01.2021 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/-(Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.
3. The earnest money amount of Rs. 80,381.00 (Rupees Eighty Thousand Three Hundred and Eighty-One Only) received along with your E-tender will be treated and converted as part of Security Deposit as per Clause 1A of General Conditions of Contract. Please deposit the balance amount of Rs. 1,91,642.00 (Rupees One Lakh Ninety One Thousand Six Hundred and Forty Two Only) towards balance Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per Clause 1A of General Conditions of Contract.
4. You are also directed to contact the Joint General Manager (Engg-Elect)-II, Airport Maintenance Electrical Division, Operational Office, Airports Authority of India, Chennai Airport or his Authorized representative immediately for the execution of the above work.



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5. You are requested to comply with the provision of Contract Labour Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules thereof Central and State Governments.
6. Please note that the time allowed for carrying out the work shall be 1 (One) Year which shall be reckoned from 01.01.2021.
7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
8. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

Encl: Schedule of Quantity (Page no. 1 of 8).

W. Francis Xavier
30/12/2020

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



AIRPORTS AUTHORITY OF INDIA
चेन्नै एयरपोर्ट:: चेन्नै 600 016
CHENNAI AIRPORT:: CHENNAI 600 016
SCHEDULE OF QUANTITIES

Name of Work: Annual rate contract for supply of LED Lights, Fans & Street Light Poles for ancillary buildings at Chennai Airport, Chennai.

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
1	2	3	4	5	6
SH I	LED LIGHT FITTINGS				
1	Supply of LED BATTEN light with heat dissipation capability.Opal diffuser creates optimum light uniformity with minimum glare & luminaire efficacy of not less than 100 lm/W. constant current output driver, operating range 140 – 270V AC supply, voltages, LED Colour Temp. from 5700K- 6500K with PF≥0.95 and THD<10% & surge protection ≥ 2kv, CRI>80, lumen maintenance of 70% at the end of 50000 burning hours. The luminaire shall be IP 20 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacturer.				
1.1	Supply of LED batten light with system lumen output not less than 2000 lumens (Similar to Havell ENDURALINEARNEOBS20WLED865SPCWH or equivalent)	Each	60	345.00	20700.00
1.2	Supply of LED batten light with system lumen output not less than 4000 lumens (Similar to Havells STOUTPLUS1200BS40WLED857SPCWH or equivalent)	Each	45	1038.00	46710.00
2	supply of Highly robust industrial Universal batten for T8 4 feet LED TUBES (Led tubes not included)				
2.1	Suitable for single T8 tube (Similar to Havells Regal batten T8 upto 1x22WDSBSWH or equivalent)	Each	40	410.00	16400.00
2.2	Suitable for Double T8 tube (Similar to Havells Regal batten T8 upto 2x22WDSBSWH or equivalent)	Each	45	240.00	10800.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
3	Supply of recessed type LED downlighter with powder coated die-cast aluminium housing and LEDs of approved make pasted on diecast housing and high efficiency Pmma diffuser. Specially designed flat opal diffuser fixed to housing with engg. Plastic front cover, Driver installed on cast aluminium housing or externally and prewired upto the terminal block with luminaire efficacy of not less than 100 lm/W and lumen maintenance of 70% at the end of 50000 burning hours with constant current driver output, operating range 140V – 270V, 50Hz AC supply, CCT of 5700K - 6500K with PF $\geq$ 0.95 and THD must be <10% & surge protection of $\geq$ 2kv. The luminaire is IP 20 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection.				
3.1	LED downlighter with system lumen output not less than 1500 lumens (Similar to Havells INTEGRANEODLR15WLED857S or equivalent)	Each	20	1035.00	20700.00
3.2	LED downlighter with system lumen output not less than 1800 lumens (Similar to Havells INTEGRANEODLR18WLED857S or equivalent)	Each	20	900.00	18000.00
4	Supply of 600mm x 600mm recess Mounted LED fixture with CRCA powder coated housing, high efficiency PMMA diffuser complete with electronic ballast, PF $\geq$ 0.95, THD<10% & surge protection of $\geq$ 2kv, rated life of L-70@ 50,000 hours having lumen output not less than 3600 Lumens with luminaire efficacy of not less than 110 Lumens / watt with CRI >80, operating range 140V – 270V, 50Hz AC supply, CCT 5700K- 6500K. Including mounting frame (if required for POP ceiling) and 2mtr hanging chain. The luminaire is IP 20 protected.LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture.LED shall have reverse polarity, open and short circuit protection. (Similar to Havells VENUSNEOHE2X2PLR18-42WLED857 MODLEDDRIVER36V34WS or equivalent)	Each	250	2000.00	500000.00
5	Supply of 6W LED STEP LIGHT for out door applications with heat dissipation capability with Opal diffuser creates optimum light uniformity with minimum glare with integral constant current led driver, luminaire efficacy of not less than 70 lm/W and lumen maintenance of 70% at the end of 35000 burning hours with constant current driver output, operating range 140V – 270V, 50Hz AC supply, CCT of 5700K - 6500K with PF $\geq$ 0.95 and THD must be <10% & surge protection of $\geq$ 2kv. The luminaire is IP 65 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection.(Similar to Crompton LSL-6-WW or equivalent)	Each	4	1570.00	6280.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
6	Supply of Mirror LED Light with heat dissipation capability with Opal diffuser creates optimum light uniformity with minimum glare with integral constant current led driver. It has a system lumen output not less than 900 lumens with luminaire efficacy of not less than 100 lm/W and lumen maintenance of 70% at the end of 35000 burning hours with constant current driver output, operating range 150V – 270V, 50Hz AC supply, CCT of 5700K - 6500K with PF≥0.95 and THD must be <10% & surge protection of ≥ 2kv. The luminaire is IP 20 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection. (Similar to Havells ENDURALINEARNEOBS10WLED865SPCWH or equivalent)	Each	5	220.00	1100.00
7	Supply of LED aviation light CONFORMING TO 'ICAO' ANNEX 14, TYPE -A, with Die-cast aluminium housing with Red polycarbonate dome for better illumination, Integral driver, IP:65, Protection against short-circuit. Wide operating input voltage range 140 – 270VAC, >10CANDELA @360 degrees with luminaire efficacy of not less than 100 lm/W, 50Hz, PF≥0.95 and THD must be <10% & surge protection of ≥ 4kv lumen maintenance of 70% at the end of 50000 burning hours. 3/4" X 4" G.I. barrel nipple with 02 NOS G.I. chucknuts for mounting, Connecting leads upto 1mtr for termination etc (Similar to CROMPTON GLN 703 or equivalent)	Each	5	4150.00	20750.00
8	Supply of Flexible LED strip light with driver of 5W/M (IP-20), 150V – 270V, 50Hz AC supply CCT 3000K, PF≥0.95 and THD must be <10% & surge protection of ≥ 2kv, with double tape on backside suitable for Mounting in cove with all accessories as required. (in roll of 5 meter). (Make Havells 22 W Flexion LED Strip 3000 K with driver LHEHCPP5IN1W018 or equivalent)	Roll	10	750.00	7500.00
9	Supply of LED street light fitting with system efficacy of not less than 110 lumens per watt and lumen maintenance of 70% at the end of 50000 burning hours, Power Factor≥0.95 & THD<10%, CRI>70, CCT : 5700K - 6500K, made of high pressure die cast Aluminium/ standard alloy housing with separate optics and control gear compartment, toughened glass protector, permanently sealed and a removable control gear plate, mounting spigot suitable for horizontal mounting (Ø 32 – 50mm) with tilt flexibility upto (+)(-) 15 degrees, operating range 150 – 270V AC supply voltages, surge protection≥4KV with minimum IP:65 Protection. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection.				
9.1	LED street light fitting having system lumen output not less than 4950 lumens (Similar to Havells ENDURAPEARLNEOSL48WLED757PASYPOTPC or equivalent).	Nos	21	2115.00	44415.00
9.2	LED street light fitting having system lumen output not less than 6600 lumens (Similar to Havells ENDURAPEARLNEOSL60WLED757PASYPOTPC or equivalent).	Nos	30	3040.00	91200.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
10	Supply of LED decorative post top luminaire consisting of a high-pressure powder-coated die-cast aluminium housing suitable for vertical mounting on 75/76 mm outer dia pole having system lumen output not less than 1650 lumens and system efficacy of not less than 90 lumens per watt and lumen maintenance of 70% at the end of 50000 burning hours, Power Factor $\geq$ 0.95 & THD<10%, CRI>70, CCT : 4000K $\pm$ 300K, operating range 140 – 270V AC supply voltages, surge protection $\geq$ 4KV with minimum IP:65 Protection. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection. (Similar to Havells RUBYMINIPT15WLED757PSYMTOPC or equivalent)	Nos	10	4000.00	40000.00
11	Supply of LED flood light with high pressure die cast Aluminium / standard alloy and LEDs of approved make pasted on diecast housing and high efficiency PmmA diffuser, Driver installed on cast aluminium housing and prewired upto the terminal block. luminaire efficacy of not less than 110 lm/W and lumen maintenance of 70% at the end of 50000 burning hours with constant current driver output, Viewing angle 90 degrees or greater ; operating range 150V – 270V, 50Hz AC supply, CRI>70, CCT of 5700K – 6500K with PF $\geq$ 0.95 and THD<10% & surge protection of $\geq$ 4kv. Viewing angle 90 degrees or greater. The luminaire shall be minimum IP:65 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection.				
11.1	LED flood light with system lumen output not less than 3300 lumens (Similar to Havells JETAQUANTOPLUSFLP30WLED757SYMLENS or equivalent)	Nos	45	1650.00	74250.00
11.2	LED flood light with system lumen output not less than 8800 lumens (Similar to Havells BAYBRITEFLAREFL80WLED857PWBBOLT G or equivalent)	Nos	25	4500.00	112500.00
11.3	LED flood light with system lumen output not less than 16500 lumens (Similar to Havells JETAIRISFLS 150WLED757PSYMLT G or equivalent)	Nos	5	6250.00	31250.00
12	Supply of LED Bollard having lumen not less than 880 lumens with luminaire efficacy of not less than 80 lumens per watt, lumen maintenance of 70% at the end of 50000 burning hours with constant current driver output, Power Factor $\geq$ 0.95 & THD <10%, CRI>70, neutral white light and made of GI pipe bottom housing the control gear speen Aluminium dome shaped type cover with cylindrical dome shaped top cover, overall length of bollard to be minimum of 600 mm, operating range 140V – 270V, 50Hz AC supply, inbuilt driver with surge protection $\geq$ 4KV. The luminaire shall be minimum IP:65 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection (Similar to Havells BAMBOOBLS8WLED857PSYMTOPC (0.6 M) or equivalent)	Nos	30	2820.00	84600.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
13	Supply of LED bush / Spike light having lumen output not less than 880 lumens with luminaire efficacy of not less than 80 lumens per watt, lumen maintenance of 70% at the end of 50000 burning hours with constant current driver output, Power Factor ≥ 0.95 & THD $< 10\%$, CRI > 70 , 3000K, with diecast Aluminium housing, adjustable mounting bracket with spike, constant current LED driver, operating range 140V – 270V, 50Hz AC supply, with surge protection $\geq 4KV$. The luminaire shall be minimum IP:65 protected. LM 79 report to be submitted for luminaire from NABL accredited lab and LM 80 for LED source issued by LED manufacture. LED shall have reverse polarity, open and short circuit protection. Havells LYCUSSPS9WLED730PSYMBOTG or equivalent)	Nos	6	2645.00	15870.00
SH II	SUPPLY OF FANS				
14	Supply of Exhaust fan; Power: 40 watts ; Operating Voltage: 230 volts; Sweep size: 200mm . Noise level- 40-45 dB, Air delivery: 500 m ³ /h ; Shutter to prevent entry of insects, pest and rodents; Make HAVELLS VENTIL AIR DX or Equivalent	Nos	10	1220.00	12200.00
15	Supply of Heavy duty Exhaust fan with Double Ball Bearing ; 90W; 240V; 50HZ; 1950m ³ /hr; sweep area: 300 MM ;metallic 4 blade;max 51db; with arm-set, frame, blade, mounting accessories kit,guarantee card etc Make HAVELLS TURBOFORCE SP FHEHDSPDB120 or Equivalent	Nos	35	2290.00	80150.00
16	Supply of heavy duty Exhaust fan with Double Ball Bearing ; 380W; 240V; 50HZ; 6200m ³ /hr; sweep area: 450 MM ;metallic 4 blade;max 61db; with arm-set, frame, blade, mounting accessories kit,guarantee card etc; Make HAVELLS TURBOFORCE SP FHEHDSPDB180 or Equivalent	Nos	15	3890.00	58350.00
17	Supply of Ceiling fan of Sweep size 1200 mm ;50 W;215CMM,220V - 240V;50 Hz;Include (Fan Motor, Blade Set, Down Rod, Canopy Set, Shackle Kit, and Twisted Wire, guarantee card) Make Havells ES NEO or Equivalent	Nos	75	1540.00	115500.00
18	Supply of Ceiling fan of Sweep size 1050 mm ;65 W;220V - 240V;50 Hz;Include (Fan Motor, Blade Set, Down Rod, Canopy Set, Shackle Kit, and Twisted Wire, guarantee card) Make Havells PACER FHCPASTBRN42 or Equivalent	Nos	25	1570.00	39250.00
19	Supply of 100W,230V,50HZ,150cmm, Thermal overload protected (TOP) Industrial pedestal fan with 450mm sweep ;3 metallic blades;speed control;oscillation;pull cord etc Make Havells TURBOFORCE FHACPSTSC18 or Equivalent	Nos	10	4960.00	49600.00
20	Supply of 100W,230V,50HZ,150cmm, Thermal overload protected (TOP) Industrial wall mounted fan with 450mm sweep ;3 metallic blades;speed control;oscillation;pull cord etc Make Havells TURBOFORCE FHACWSTSC18 or equivalent.	Nos	15	1920.00	28800.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
21	Supply of 50W,230V,50HZ,70CMM, Thermal overload protected (TOP) wallmount fan with 400mm sweep ;3 blades;speed control;oscillation;pull cord;Make Havells swing 400 FHWSWSTIVR16 or Equivalent.	Nos	20	1820.00	36400.00
22	Supply of 50W,230V,50HZ,70CMM, Thermal overload protected (TOP) Pedestal fan with 400mm sweep ;3 blades;speed control;oscillation;Make Havells swing FHSSWSTOWH16 or Equivalent.	Nos	25	2250.00	56250.00
SH III	SUPPLY OF STREET LIGHT POLES				
23	GI OCTAGONAL continuously tapered galvanised street light pole with minimum 1m long single arm 40NB GI bracket mounted on pole top for installation of LED street light luminaire suitable for wind velocity as per IS 875 (but not less than 50 m/sec.), fabricated out of 3 mm thick HT sheet in single section having top dia 70 mm and bottom dia 130 mm, suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt (20mm dia of 600 mm long) & anchor plate, rigid flange plate (200x200x12mm min.) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified, weather proof and vandal resistant door flush with the exterior surface containing a terminal plate of 5 mm thick backlite sheet with 32 Amp heavy duty 4pole connector for loop in loop out cable terminations suitable for upto two numbers 4 core 25 Sq.mm cables & 6A DP MCB for each fixture connections, earthing bolts for continuous earth connection with 20mm dia, 1.5 m long MS rod for individual poles earthing etc complete as required & as specified.				
23.1	Supply of 7mtrs. high GI OCTAGONAL street light pole	SET	10	9700.00	97000.00
23.2	Supply of 6 mtrs. high GI OCTAGONAL street light pole	SET	10	10750.00	107500.00
24	Supply of Decorative Outdoor circular MS Lighting Pole of 3 meter height ; with bracket suitable for mounting one number LED flood light luminaire, suitable for wind velocity as per IS 875 (but not less than 50 m/sec.), having minimum top dia 70 mm fabricated out of 2.5 mm thick MS plate and bottom dia 130 mm fabricated out of 3 mm thick MS plate ; corrosion resistant; Coated with epoxy zinc phosphate primer and finished using environmentally stable polyurethane based paint thickness of 45 microns; suitable for installation on a precast foundation with supply of 4 nos. of foundation bolt & anchor plate, rigid flange plate (200x200x12mm min.) welded with the base of pole for fixing on foundation bolts complete as reqd. for structural stability as specified. Built-in weather proof and vandal resistant cylindrical control box with cast aluminium service door with 32 Amp heavy duty 4pole connector for loop in-loop out arrangement suitable for upto two numbers 4 core 25 Sq.mm cables & 6A DP MCB for each fixture connections, earthing bolts for continuous earth connection complete as required & as specified. Model: K Lite Merlin light pole (KP 4717) or equivalent	NO	41	12500.00	512500.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
SH IV	ERECTION & INSTALLATION OF STREET LIGHT POLES AND BOLLARDS				
25	Erection of 6/7 Mtr. high OCTAGONAL street light pole & bracket with all accessories. The pole shall be installed in RCC foundation 1:1.5:3 i.e 1 cement: 1.5 coarse sand: 3 graded stone and P.C.C foundation of 1:4:8 i.e 1 cement: 4 coarse sand: 8 graded stone with the help of anchor bolts by laying iron barmesh fabricated with 8 mm , 10 mm & 12 mm dia iron bar as per OEM recommended drawing, including excavation and refilling including positioning of template & foundation bolts,Earth Rod (supplied with pole to match with pole base plate) & providing and fixing of DWC HDPE pipe of size 50 mm dia (2 pieces of min. 0.75 m length) in the foundation for loop-in-loop-out of the cable to the pole, connecting earthing bolt and the earth rod with 6 SWG GI wire of required length complete as required and as specified as per drawing attached	JOB	20	6000.00	120000.00
26	Installation, testing and commissioning of LED street light fitting with all accessories on existing street light pole of 6/7 mtr height with bracket, including supplying and drawing of 3core 1.5 sq.mm. PVC insulated PVC sheathed flexible copper conductor cable from loop-in-loop-out box upto the individual streetlight fitting(s), connection etc. complete as required & as specified.	JOB	20	450.00	9000.00
27	Erection of 3 Mtr.high street light pole & bracket with all accessories.The pole shall be installed in RCC foundation 1:2:4 i.e 1 cement: 2 coarse sand: 4 graded stone and P.C.C foundation of 1:4:8 i.e 1 cement: 4 coarse sand: 8 graded stone with the help of anchor bolts ,laying iron barmesh fabricated with 8 mm , 10 mm & 12 mm dia iron bar as per OEM drawing approved by EIC, including excavation, refilling and positioning of template & foundation bolts (supplied with pole to match with pole base plate) & providing and fixing of DWC HDPE pipe of size 50 mm dia (2 pieces of min. 0.75 m length) in the foundation for loop-in-loop-out of the cable to the pole complete as required and as specified by OEM.	JOB	41	1500.00	61500.00
28	Installation, testing and commissioning of LED street light fitting with all accessories on existing street light pole of 3 mtr height with bracket, including supplying and drawing of 3core 1.5 sq.mm. PVC insulated PVC sheathed flexible copper conductor cable from loop-in-loop-out box upto the individual streetlight fitting(s), connection etc. complete as required & as specified by OEM.	JOB	41	200.00	8200.00
29	Erection of 1meter Bollard with all accessories in reinforced cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) foundation including excavation and refilling, positioning of template & foundation bolts (supplied with bollard to match with its base plate) & providing and fixing single 2mm thick pvc pipe of 35 mm dia of required length in the foundation for loop-in-loop-out of the cable to the bollard complete as per OEM requirement.	JOB	30	800.00	24000.00

Sl. No.	Description of Items	Quantity	Unit	Rate/Unit (Excluding GST)	Amount (Excluding GST)
SH V	INSTALLATION OF LIGHTS AND FANS				
30	Installation, testing and commissioning of Indoor LED Lights of all types, complete with all accessories etc. directly on ceiling/ wall/POP/false ceiling, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Nos	145	100.00	14500.00
31	Installation of upto 450 mm sweep exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	Nos	60	200.00	12000.00
32	Supply of painted metal louvers/ shutters complete with frame for 300mm exhaust fan.	Nos	35	300.00	10500.00
33	Supply of painted metal louvers/ shutters complete with frame for 450mm exhaust fan.	Nos	15	300.00	4500.00
34	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Nos	50	300.00	15000.00
35	Supplying 100 watt Two module stepped type electronic fan regulator.	Nos	100	450.00	45000.00
36	fixing Two module stepped type electronic fan regulator on the modular plate switch box including connections but excluding modular plate etc. as required.	Nos	100	250.00	25000.00
37	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Nos	100	100.00	10000.00
38	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 20 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Nos	10	50.00	500.00
39	Supplying of 32 mm dia X 2.00 metres long G.I. pipe (medium class) and bending the pipe with required angle and fixing with 2 nos 40 mm X 3 mm flat GI clamps with nuts, bolts and washer etc on wall, including mounting of LED light fitting on pipe etc. as required	Nos	10	400.00	4000.00

Total Excluding GST 27,20,225.00

(Rupees Twenty Seven Lakhs Twenty Thousand Two Hundred and Twenty Five Only)


(W. Francis Xavier)
Jt. GM (Engg. Elect)
For and on behalf of the Chairman,
Airports Authority of India.