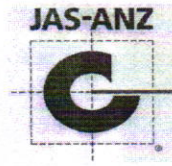




भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



WORK ORDER

संदर्भ सं.: आर्मे /सीबीआईए/इंजि(वि)/ एलईडी /डब्ल्यू-17/2020-21

Ref. No: AAI/CBIA/ENGG (E)/LED /W- 17/2020-21

दि: 22.12.2020

Date: 22.12.2020

To

BY SPEED POST

M/s. HPL Electrical & Power Limited,
Windsor Business park, B-1D, Sector-10,
Noida-201 301(U.P)
Mail Id: hpl@hplindia.com

कार्य का नाम: कोयंबटूर अंतर्राष्ट्रीय हवाई अड्डे पर एलईडी स्थिरता के लिए पारंपरिक जुड़नार का
रूपांतरण। /Name of Work: Conversion of Conventional fixtures to LED fixture at
Coimbatore International Airport.

संदर्भ: निविदा आईडी- 2020_ आर्मे _58374_1 / Ref: Tender ID- 2020_AAI_58374_1

प्रिय महोदय / Dear Sir,

- 1) उपर्युक्त कार्य के लिए आपका टेंडर, चेयरमैन, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा रु। कुल रु। की गई मद दरों पर स्वीकार किया जाता है। 23,99,947.00 (रुपए तेईस लाख लाख नब्बे नब्बे हजार नौ और चालीस सात) जो कि न्यायोचित लागत से 40.82% कम है। 40,55,108.00 (सभी वस्तुओं के लिए लागू जीएसटी @ 18%)। /Your tender for the above mentioned work is accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs. 23,99,947.00 (Rupees Twenty Three Lakhs Ninety Nine Thousand Nine Hundred and Forty Seven Only) which is 40.82 % below the justified cost of Rs. 40,55,108.00 (plus applicable GST @ 18% for all items).
- 2) संयुक्त। जनरल मैनेजर (इंजी-इलेक्ट), एएआई, कोयंबटूर इंटरनेशनल एयरपोर्ट कार्य के इंजीनियर-इन-चार्ज होंगे। आपसे अनुरोध है कि आप जेटी के कार्यालय में उपस्थित हों। समझौते पर हस्ताक्षर करने और उसे पूरा करने के लिए जनरल मैनेजर (इंजी-इलेक्ट), एएआई, कोयंबटूर एयरपोर्ट 05.01.2021 तक। अनुबंध समझौते को रुपये के मूल्य के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा। 100.00 (रुपए केवल सौ) और स्टाम्प पेपर की कीमत आपके द्वारा वहन की जाएगी। / Jt. Gen. Manager (Engg-Elect), AAI, Coimbatore International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Jt. Gen. Manager (Engg-Elect), AAI, Coimbatore Airport by 05.01.2021 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs. 100.00 (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.

Coimbatore International Airport, Coimbatore - 641 014

Phone/fax: 0422-2571668

Web Site: www.airportsindia.org.in



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- 3) रुपये की सबसे बड़ी धनराशि। आपकी निविदा के साथ प्राप्त 81,101.00 (रुपए अस्सी एक हजार, सौ और एक ही) को उपचारित किया जाएगा और सुरक्षा जमा के भाग के रूप में परिवर्तित किया जाएगा। कृपया रु। जमा करें इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर 1,58,894.00 (रुपए एक लाख पचास आठ हजार आठ और केवल चौबीस) सिक्योरिटी डिपॉजिट के रूप में, जो कि, आपके चल रहे बिलों में से काट लिया जाएगा।/The Earnest money amount of Rs. 81,101.00 (Rupees Eighty One Thousand, Hundred and One Only) received along with your tender will be treated and converted as part of security deposit. Please deposit Rs. 1, 58,894.00 (Rupees One Lakh Fifty Eight Thousand Eight Hundred and Ninety Four Only) as Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your running bills.
- 4) आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 और न्यूनतम मजदूरी अधिनियम और केंद्र और राज्य सरकार के नियमों के प्रावधानों का पालन करें। / 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 Government.
- 5) आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 और न्यूनतम मजदूरी अधिनियम और केंद्र और राज्य सरकार के नियमों के प्रावधानों का पालन करें।/ You are also directed to contact Asst.Gen.Manager (Engg.-Elect) AAI, Coimbatore International Airport immediately who will arrange to handover the site to you. Please note that the time allowed for carrying out the work shall be 2 Months, which shall be reckoned from Tenth day of placement of this order.
- 6) अनुबंध के संबंध में अन्य पत्राचार के लिए संयुक्त महा प्रबंधक (इ-वि), भा.वि.प्राकोयंबतूर अंतरराष्ट्रीय हवाईअड्डा का संबोधन करें। / Any further correspondence in connection with the contract should normally be addressed to the Jt.Gen.Manager (Engg-Elect), AAI, Coimbatore International Airport.
- 7) कृपया पावती भेजें। / Please acknowledge the receipt.

संयुक्त महा प्रबंधक (इ-वि),
Jt. Gen. Manager (Engg-Elect),
भा.वि.प्रा, कोयंबतूर अंतरराष्ट्रीय हवाईअड्डा,
AAI, Coimbatore International Airport.

अनुलग्नक/Encl: अनुसूची/Schedule 'A'.

Coimbatore International Airport, Coimbatore - 641 014

Phone/fax: 0422-2571668

Web Site: www.airportsindia.org.in



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

JAS-ANZ



WORK ORDER

N.O.O.

Copy to:

1. जीएम (ई) / एसआर, भारतीय विमानपत्तन प्राधिकरण, प्रशासनिक भवन, चेन्नई हवाई अड्डे, चेन्नई-27। मेल आईडी: gmeesr@aai.aero | The GM (Engg)/SR, AAI, Administrative Building, Chennai Airport, Chennai-27. Mail id: gmeesr@aai.aero.

2. संयुक्त महाप्रबंधक (सतर्कता) / एसआर, भारतीय विमानपत्तन प्राधिकरण, प्रशासनिक भवन, चेन्नई हवाई अड्डे, चेन्नई-27। The JGM (Vigilance)/SR, AAI, Administrative Building, Chennai Airport, Chennai-27. Mail id: jgm-vig-sr@aai.aero.

आंतरिक | Internal:

1. हवाई अड्डे के निदेशक। भारतीय विमानपत्तन प्राधिकरण, कोयंबटूर अंतरराष्ट्रीय हवाई अड्डे। ई-मेल: apdcoimbatore@aai.aero | The Airport Director. AAI, Coimbatore International Airport. By E-mail: apdcoimbatore@aai.aero

2. डीजीएम (वित्त) -एएआई, कोयंबटूर अंतरराष्ट्रीय हवाई अड्डा। ई-मेल: rhayagrivan@aai.aero | DGM (Finance) -AAI, Coimbatore International Airport. By E-mail: rhayagrivan@aai.aero.

3. सहायक महा प्रबंधक (इ-वि), कोयंबटूर अंतरराष्ट्रीय हवाई अड्डे ई-मेल के द्वारा: kasir@aai.aero , AGM (Engg-E), Coimbatore International Airport by E-mail: kasir@aai.aero.

4. प्रबंधक (इंजी-ई)-II, भारतीय विमानपत्तन प्राधिकरण, कोयंबटूर अंतरराष्ट्रीय हवाई अड्डे। ई-मेल: eben@aai.aero | Manager (Engg-E)-II, AAI, Coimbatore International Airport. By E-mail: eben@aai.aero

संयुक्त महा प्रबंधक (इ-वि),
Jt. Gen. Manager (Engg-Elect),
भा.वि.प्रा, कोयंबटूर अंतरराष्ट्रीय हवाई अड्डा,
AAI, Coimbatore International Airport.

Coimbatore International Airport, Coimbatore - 641 014

Phone/fax: 0422-2571668

Web Site: www.airportsindia.org.in

Name of Work : Conversion of Conventional fixtures to LED fixture at Coimbatore International Airport.

SCHEDULE OF QUANTITIES

Sl.No	Description of Item	Qty	Unit	Rate	Amount
1	Supply of 200W LED Flood light with High pressure die-cast aluminium/standard alloy housing and LEDs of approved make pasted on die cast housing and high efficiency PMMA diffuser, Driver installed on cast aluminium housing and prewired upto the terminal block. It has a system lumen output not less than 22000 lumens with luminarie efficiency of not less than 110 lm/W, CCT from 5700K $\pm$ 300K, suitable for outdoor applications complete as per technical specification.(Similar to Crompton, CAT No.LFLN-200-CDL/60-M or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly).	27	Each	6798.00	183546.00
2	Supply of 150W LED Flood light with High pressure die-cast aluminium/standard alloy housing and LEDs of approved make pasted on die cast housing and high efficiency PMMA diffuser, Driver installed on cast aluminium housing and prewired upto the terminal block.It has a system lumen output not less than 16500 lumens with luminarie efficiency of not less than 110 lm/W, CCT from 5700K $\pm$ 300K, suitable for outdoor applications complete as per technical specification.(Similar to Crompton, CAT No.LFLN-150-CDL/60-M or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly).	65	Each	5099.00	331435.00
3	Supply of 80W LED Flood light with High pressure die-cast aluminium/standard alloy housing 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. It has a system lumen output not less than 8800 lumens with luminarie efficiency of not less than 110 lm/W, CCT from 5700K $\pm$ 300K, suitable for outdoor applications complete as per technical specification. (Similar to Crompton, CAT No. LFL-80-CDL/60-M or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly)..	30	Each	2719.00	81570.00
4	Supplying of 80W LED street light fitting having lumen output not less than 8800 lumens and system efficiency of not less than 110 lumens per watt, CCT from 4000K $\pm$ 300K, complete with electronic driver and accessories etc, suitable for outdoor applications complete as per technical specifications. (Similar to Havells CAT No. ENDURACITYLINERNEOMPSL80WLED757PASBYBOTG or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly).	65	Each	2719.00	176735.00
5	Supplying of 60W LED street light fitting having lumen output not less than 6600 lumens and system efficiency of not less than 110 lumens per watt, CCT from 5700K $\pm$ 300K, complete with electronic driver and accessories etc, suitable for outdoor applications complete as per technical specifications. (Similar to Havells CAT No.ENDURACITYLINERNEOMPSL65WLED757PASBYBOTG or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly).	35	Each	2039.00	71365.00
6	Supply of 600mmX600mm recess mounted 36W LED fixture with high efficiency PMMA diffuser complete with driver and accessories having lumen output not less than 3600 Lumens with luminarie efficiency not less than 100 lumens/Watt, CCT from 5700K $\pm$ 300K, Suitable to Indoor applications complete as per technical specifications.(Similar to Crompton.CAT No. CCR-127-36-57-SL-NWH or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly).	75	Each	1360.00	102000.00

Name of Work : Conversion of Conventional fixtures to LED fixture at Coimbatore International Airport.

SCHEDULE OF QUANTITIES

Sl.No	Description of Item	Qty	Unit	Rate	Amount
7	Supply of self ballasted LED lamp equivalent to 36W Fluorescent tube light with heat dissipation capability with Opal diffuser which creates Optimum light uniformity with minimum glare with integral current led driver, it has system lumen output not less than 3600lumens with luminarie efficiency of not less than 100lm/W, CCT from 5700K $\pm$ 300K, Suitable for indoor applications completes as per technical specifications.(Similar to Crompton CAT No.LT8-8-565-2 or equivalent). Note: (Successful bidder shall maintain 10% of BOQ qty extra at site to replace the defective LED luminaries immediately during the DLP/Guarantee period of 5 years. 10% amount retained for 5 years. May please be quote this item accordingly).	100	Each	255.00	25500.00
8	Surface/wall mtd battern housing inwhite powder coated CRCA housing, pre-wired (Double sided) and suitable to LED tube operate at 230 V, 50 Hz AC supply etc as required.	75	Each	417.00	31275.00
9	Installation, testing and commissioning of prewired high bay / flood light fitting/Street light of all types complete with all accessories, lamps etc. directly on ceiling / MS structure / wall including connection with 1.5 sq.mm PVC insulated FRLS copper conductor single core cable and earthing etc. as required.	200	Each	370.00	74000.00
10	Supply, installation, testing and commissioning of 20KVA capacity 3 phase in/3 phase out online UPS with double conversion PWM IGBT technology to drive constant current regulators & suitable specifications/data sheet as enclosed. The UPS shall have built in automatic static by pass, active input power factor correction, phase sequence detector, pure sine wave output, built-in isolation transformer, compatibility with generator supply, cold start capability, EMI/RFI noise filter advanced communication-RS232 port and user friendly LCD display, suitable to operate at 415V, 50 Hz, 3 phase AC supply and delivering 3phase output and necessary safety protection. The job also includes supply and connecting required number of 12V, VRLA/SMF batteries to give a backup time of minimum 20 minutes along with battery rack, connectors, wiring between battery bank and UPS with insulated copper conductor of required size i/c end termination of incoming and outgoing power cable as per site condition etc. complete as required.	3	Each	360365.00	1081095.00
	Laying and fixing of one number XLPE/ PVC insulated PVC sheathed aluminium/copper conductor cable of 1.1 KV grade of following sizes on wall/ surface as required.				
11	Upto 35 Sq.mm	200	Mtr	42.00	8400.00
12	Above 35 Sq.mm upto 95 Sq.mm	200	Mtr	67.00	13400.00
	Laying and fixing of one number XLPE/ PVC insulated PVC sheathed aluminium/copper conductor cable of 1.1 KV grade of following sizes on cable tray as required(With Cable tie).				
13	Upto 35 Sq.mm	150	Mtr	50.00	7500.00
14	Above 35 Sq.mm upto 95 Sq.mm	150	Mtr	42.00	6300.00
	Supplying and making indoor cable end termination with brass compression gland and aluminium lugs for following size of PVC insulated PVC sheathed/ XLPE aluminium conductor cable of 1.1 kv grade as required.				
15	3.5C 50 Sq.mm	10	Each	392.00	3920.00
16	3.5C 25 Sq.mm	10	Each	321.00	3210.00
17	Earthing with 38 mm dia, 3 mtr length copper pipe including excavation using 150 mm dia Augur or by manually digging a pit of size 600x600 mm at a depth of 3 mtr. Refilling with chemical powder (moisture enhancer) of 50 kgs i/c providing masonry enclosure with cover plate having locking arrangement etc complete as required.	10	Each	13334.00	133340.00
18	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	50	Mtr	918.00	45900.00
19	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	50	Mtr	128.00	6400.00
20	SITC of 8 way (8+24 IC/OG Pre Wired with cable end box), TPN horizontal , sheet steel, MCB distribution board, 240 volts, on surface/ recess,double door 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)	3	Each	4352.00	13056.00
	Total Amount (Rs.)				2399947.00

(Rupees Twenty Three Lakhs Ninety Nine Thousand Nine Hundred and Forty Seven Only) Plus applicable GST @ 18 % for all items


Jt. Gen. Manager(E-),
AAI, Coimbatore International Airport