



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

स0न0: भाविप्रा/एसएपी/इंजी(वि)/आईएनए/कैपिटल/डब्ल्यू ओ-158/2022-23/3560-57 दिनांक: 20.03.2023
Ref. No. AAI/SAP/Engg(E)/INA/Capital/W.O-158/2022-23/ Dt. 20.03.2023

सेवा में,

मै. मास्टर इलेक्ट्रिक स्टोर,
एफ-2/87-88, सक्टर- 11,
रोहिणी, दिल्ली - 110085

M/s Master Electric store,
F-2/87-88, Sector-11,
Rohini, Delhi-110085

विषय: आईएनए कॉलोनी के लिए एलईडी लाइट्स, पंखे और हाइ मास्ट का एसआईटीसी, सफदरजंग एयरपोर्ट, नई दिल्ली ।

Subject:- SITC of LED lights, fans & High mast for INA colony, Safdarjung Airport, New Delhi.

संदर्भ i) आपकी खोली गई ई-निविदा दिनांक 16.03.2023. (Bid Invitation No: 2023_AAI_142063_1).

Ref: Your e-bid opened on 16.03.2023.

महोदय,

1. उपरोक्त कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताए आइटम मूल्यों पर आपका टेंडर कुल ₹ 45,25,074/- (मात्र पैंतालीस लाख पच्चीस हजार चौहत्तर रुपये) है जो कि अनुमानित/उचित लागत राशि ₹ 64,66,166/- से 30.02% कम है (जी.एस.टी. को छोड़कर)।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs. 45,25,074/- (Rupees Forty Five Lacs Twenty Five Thousand and Seventy Four Only) which is 30.02% below from the estimated/Justified cost of Rs. 64,66,166/- (excluding GST).

2. सहायक महा प्रबंधक अभियांत्रिकी (विद्युत), भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली 110003, इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु 26.03.2023 तक सहायक महा प्रबंधक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली-110003 के कार्यालय में उपस्थित हों। संविदा करार Rs. 100/- (मात्र सौ रुपये) के गैर न्यायिक (नॉन-जुडिशियल) स्टांप पेपर पर बनाया जाएगा तथा स्टांप पेपर की लागत आपके द्वारा वहन की जाएगी।

Asstt. Gen. Manager Engg (Electrical), Safdarjung Airport, New Delhi, shall be the Engineer-in-charge of the work. You are requested to attend the office of the Asstt. Gen. Manager Engg (Elect), AAI, Safdarjung Airport, New Delhi by 26.03.2023 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs.100/- (Rupees one hundred only) and the cost of the stamp paper shall be borne by you.

[Signature]
20/3/23

[Signature]
20/3/23



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3. आपकी निविदा के साथ प्राप्त Rs. 1,29,323/- (मात्र एक लाख उनतीस हजार तीन सौ तेईस रुपये) की अग्रिम धन राशि को संविदा दस्तावेज के पृष्ठ ई एन आई टी निविदा -3 पर एन.आई.टी. के खण्ड-16 के अनुसार प्रतिभूति जमा के रूप में प्रयुक्त तथा संपरिवर्तित किया जाएगा। कृपया इस पत्र के जारी होने की तिथि से 30 दिनों के भीतर शेष प्रतिभूति जमा के रूप में Rs. 3,23,184/- (मात्र तीन लाख तेईस हजार एक सौ चौरासी रुपये) जमा करें अन्यथा इस राशि की कटौती संविदा कागजात के पृष्ठ जी सी सी- 16 पर जी सी सी के खण्ड-1A के अनुसार आपके चालू बिलों से कर ली जाएगी।

The earnest money amount Rs. 1,29,323/- (Rupees One Lacs Twenty Nine Thousand Three Hundred and Twenty Three Only) received along with your tender will be treated and converted as part of security deposit as per conditions at clause no. 16 on page no. E-NIT Tender - 3 of contract document. Please deposit Rs. 3,23,184/- (Rupees Three Lacs Twenty Three Thousand One Hundred and Eighty Four Only) towards security deposit within 30 days from the date of issue of this letter failing which, the same will be deducted as per condition of clause no.- 1A at page no. GCC- 16 of the contract document.

4. आप से अनुरोध है कि आप संविदा श्रम (विनियम एवं उन्मूलन) अधिनियम 1970 तथा संविदा श्रम (विनियम एवं उन्मूलन) केन्द्रीय नियम 1971 एवं न्यूनतम मजदूरी अधिनियम के प्रावधानों और केन्द्रीय व राज्य सरकारों के तदसंबंधी नियमों का अनुपालन करें।

You are requested to comply with the provision of contract labour (Regulation & abolition) Act of 1970 and contract labour (Regulation & Abolition) Central Rules 1971 and minimum wages Act and Rules there of Central and state Govt.

5. आपको सहायक प्रबंधक (विद्युत) भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा ही किया जाएगा।

You are also directed to contact Asstt. Mgr. (Engg.-E), Airports Authority of India, Safdarjung Airport, New Delhi, immediately who will arrange to hand over the site to you.

6. कृपया नोट करें कि कार्य पूरा करने के लिए आपको 04(चार) महीने, का समय प्रदान किया जाता है। जोकि दिनांक 30-03-2023 से प्रारम्भ माना जाएगा।

Please note that the time allowed for carrying out the work shall be 04 (Four) months and same shall be reckoned from 30.03.2023.

7. ई-निविदा में उठाए गए सभी प्रश्न, स्पष्टीकरण इत्यादि तथा उनका भा.वि.प्रा द्वारा दिया गया उत्तर भी अनुबंध का भाग होगा।

All queries, clarifications etc. raised during e-tendering process and replies there of shall also form part of the agreement.

8. संविदा के सम्बन्ध में भविष्य में किसी भी प्रकार का पत्र व्यवहार इंजीनियर-प्रभारी के नाम से किया जाएगा।

Any further correspondence in connection with the contract should be addressed to the Engineer In-Charge.

20/3/23



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9. कृपया पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप विधिवत हस्ताक्षर करके हमें वापस भेजें।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.
10. ठेके की त्रुटि दायित्व अवधि बारह महीने है जोकि कार्य समाप्ति की तिथि से गिना जाएगा।
The defect liability period is 12(Twelve) Months after actual date of completion.
11. जीएसटी प्रावधानों का अनुपालन न करने और किसी इनपुट क्रेडिट के अवरुद्ध होने की स्थिति में एएआई की क्षतिपूर्ति करना आपकी जिम्मेदारी होगी।
In case of non- compliance of GST provisions and blockage of any input credit, it shall be your responsibility to indemnify AAI.
12. जीएसटी को छोड़कर दरों में सभी कर शामिल हैं। हालांकि, जीएसटी, जैसा लागू हो, अनुबंध के नियमों और शर्तों के अनुसार वैध जीएसटी चालान के खिलाफ एजेंसी द्वारा एएआई को प्रदान की गई किसी भी कर योग्य आपूर्ति/सेवाओं/निर्माण के लिए ठेकेदार को भुगतान किया जाएगा।
The rates are inclusive of all taxes but excluding of GST. However, GST, as applicable, shall be paid to the contractor for any taxable supply/ services/ construction rendered by the agency to AAI against a valid GST invoices as per terms and conditions of the contract.
13. सभी इनपुट क्रेडिट आपके द्वारा एएआई को दिए जाएंगे।
All input credits will be passed on to AAI by you.
14. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।
In case of any discrepancy, English version will be taken as correct.

भवदीय
Yours faithfully

(एल.पी.एस. सोलंकी) / (L.P.S. Solanki)
सहायक महाप्रबन्धक अभि.(वि.) Asstt. G.M. Engg (E)
अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर एवं तरफ से
For & on behalf of Chairman, Airports Authority of India

संलग्न: शडयूल ऑफ कुएंन्टिटीज
Encl: Schedule of Quantities

Schedule of Work

Name of Work: SITC of LED lights, fans & High mast for INA colony, Safdarjung Airport, New Delhi.

S.No.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SH-I	SITC of Lights & Fans				
1	Supply of following rating high efficacy and low power consumption LED Light, cover/ diffuser should be made of virgin non- yellowing PC (Poly Carbonate) and should have minimum 100 Lumens/ watt, suitable mounting arrangements, IP 20 or higher, CRI minimum 80, the total power consumption should not be more than 110% of rated capacity of LED light, an operating voltage range of 140-270 V, power factor ≥ 0.95 , THD $< 10\%$, complete as per technical specification.				
1.01	Supply of round type surface mounting 10/12 W LED downlighter fitting (round type) having white powder coated aluminium die cast with heat sink, driver and mounting arrangement including internal wiring etc. complete with all accessories as required at site. (Make: Philips/ Halonix/ Bajaj/ Havels or equivalent)	Each	800	515.00	412000.00
1.02	Supply of linear and compact 10-12 watt mirror light with decorative end caps, polycarbonate body and ribbed opal difuser. (Make: Philips/ Halonix/ Bajaj/ Havels or equivalent)	Each	20	320.00	6400.00
2	Supply of following rating high efficacy and low power consumption LED Light made of Pressure Die cast aluminum, cover/ diffuser should be made of virgin non- yellowing PC (Poly Carbonate) and should have minimum 110 Lumens/ watt, suitable mounting arrangements, IP 65 or higher, CRI minimum 70, the total power consumption should not be more than 110% of rated capacity of LED light, an operating voltage range of 140-270 V, power factor ≥ 0.95 , THD $< 10\%$, complete as per technical specification.				
2.01	Supply of 35-40W LED post top fitting having high pressure powder coated die cast aluminium housing with top cover and high impact poly carbonate or acrylic protector/ diffuser and suitable built in LED Driver etc as required. (Make: Halonix, Model no. HLPT-03-40-CW or equivalent Philips/Havells/Bajaj)	Each	150	4070.00	610500.00
2.02	Supply of 68-72 watt high efficacy and low power consumption LED type street Light with having housing made of Powder coated die-cast aluminum with toughened glass, in built electronic driver etc as required. (Make: Philips/ Halonix/ Bajaj/ Havels or equivalent)	Each	20	2230.00	44600.00
3	Supply of 300 mm sweep, metal body exhaust fan, 1300-1400 rpm, suitable for 230V, single phase and all the accessories as required.	Each	650	1460.00	949000.00
4	Supply of 1200mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, etc. complete as required.	Each	600	2345.00	1407000.00
5	ITC of 10/12W surface mounted luminaire (item no. 1.01 as above) on existing ceiling with all accessories, i/c connection etc. as reqd.	Each	800	10.00	8000.00

S.No.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6	ITC of linear and compact 10-12 watt mirror light (item no. 1.02 as above) with decorative end caps, polycarbonate body and ribbed opal difuser with all accessories, i/c connection etc. as reqd.	Each	20	10.00	200.00
7	ITC of 35-40 W LED type Post Top luminaire (item no. 2.01 as above) on existing 3 mtr. high steel tubular pole with all accessories, wiring with 3 core 1.5 sq.mm. round copper wire from junction box to the fitting complete etc. as reqd.	Each	150	10.00	1500.00
8	ITC of 68-72 W LED type Street light luminaire (item no. 2.02 as above) on existing 9 mtr. high steel tubular/ swan pole with all accessories, wiring with 3 core 1.5 sq.mm. round copper wire from junction box to the fitting complete etc. as reqd.	Each	20	10.00	200.00
9	ITC of 300 mm sweep, metal body exhaust fan, 1300-1400 rpm, suitable for 230V, single phase, including louvre for the protection with all the accessories as required.	Each	650	100.00	65000.00
10	ITC of 1200mm sweep 230V, single phase AC, 5 Star rated BLDC Ceiling fan and making the electrical connections, earthing, etc. with all the accessories as required.	Each	600	150.00	90000.00
11	Supply, installation, testing & commissioning of 3 mtr. height hot dipped galvanised tubular pole designed as per IS 875 part 3, in two section having top dia 75 mm, Length 2000 mm (3 mm thick); bottom dia 114 mm, Length 1000 mm (4 mm thick), with in built loop box, 4 way 25 A heavy duty connector, 1 Nos. SP MCB, with matching flush door, base plate of size 250 mm x 250 mm x 12mm with suitable size cutouts/holes for cables entry, exit & grouting bolts including earth stud. Erection of pole shall be on cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size) foundation of size 400 x 400 mm and 200 mm above ground level and 500 mm below ground level including grouting of 04 nos. suitable size foundation bolts as reqd. at site. (Make Twinkle model 114-302 or equivalent in bajaj/ rr ispat/ SGS/ Valmont/Sumip)	Each	10	17620.00	176200.00
SH-II	SITC of High Mast				
12	Design, manufacturing & supply of 12 mtrs height integral type high mast made of S-355 grade as per BS-EN 10025 material grade having galvanisation as per BS EN ISO 1461, in one/two sections, polygonal cross section, suitable for-wind speed as per IS 875-part-3, with raising lowering system comprising head frame, luminaries carriage suitable to install 06 Nos. LED type flood light luminaires & associated control gears in asymmetrical arrangement in double as per design requirement, gear motor (with SPP & OL protection), double drum winch, Standard SS wire ropes, trailing multicore cable of suitable nos. core of suitable sqmm copper conductor as per IS-4289 (min 20% nos. of spare core), outgoing MCB with connectors, integral power tool motor, compensating disc, manual handle, junction box, lightening finial, 20 A multiple socket and top, suitable steel foundation bolts as per approved design along with nuts, washers, anchor plates, templates etc complete as per Technical specification of Tender Document.	Each	3	134540.00	403620.00
13	Installation, testing & commissioning of integral type high mast and its accessories as per SOQ Item No. 12 above. Job also includes excavation & construction of suitable shallow, RCC foundation with 1:2:4 concrete for the High Mast considering the soil bearing capacity at site as 10 Ton / Sqmtr. with suitable fixing of steel foundation bolts etc as per approved OEM design/recommendation etc complete as per Technical specification of Tender Document.	Job	3	24340.00	73020.00

S.No.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
14	Supply of LED type Floodlight luminaire (ASSYMETRICAL TYPE) suitable for installation on High Mast as per specifications having anodised reflector with lenses with nominal wattage of 100 W, housing body made of pressure die cast aluminium with extruded aluminium heat sink with heat resistant toughened glass minimum IP 65 protection with integral potted electronic driver suitable to operate on 230 +/- 15% Volts AC , 50 Hz single phase supply, with input surge, open & short protection having minimum 95 lm/watt output with life expectancy of min. 50,000 hrs for LED's of required white colour. It shall meet as per technical specifications enclosed with tender complete in all respect as required as per direction and satisfaction of Engineer-Incharge. (Similar to Model: BJFL 100 W Make Bajaj)	Each	18	5430.00	97740.00
15	Installation, Testing & Commsioning of flood light fixtures (as per Item No. 14 above) on the lantern carrier of high mast including connection with suitable size multistrand copper conductor flexible wire including glanding & end termination with suitable lugs, testing, commissioning etc. as required.	Each	18	50.00	900.00
16	Supply, Installation, Testing & Commissioning of LED Type aviation obstruction light as per ICAO standard etc. complete as required on 12 Mtrs high mast. (Similar to Bajaj Cat. No. BGAV 302 LED)	Each	3	4300.00	12900.00
17	Design, Fabrication, Supply, Installation, Testing & Commissioning of cubicle type compartmentalised double door outdoor type feeder Pillar panel (Confirm to IP 65 standard) with rain protection canopy on top and detachable gland plate for individual cable at bottom for individual high mast made of 2mm CRCA sheet steel for load bearing member as well as for doors with all accessories, suitable size connectors, painting, interconnections with suitable size PVC insulated FRLS multi strand copper conductor flexible wire, earthing etc. with following components. I)Incomer and Bus bar a)25 Amps, 10 KA Breaking capacity,4Pole, C Series MCB - 1 Nos. b)100 Amps Aluminum Busbar for three phase and neutral with Insulator support- 1Set. II)Measuring Instruments and Indication a) LED type indicating lamp for three phase with MCB protection of suitable rating- 1Set b) 500V, 96mmx96mm Digital Voltmeter and MCB protection of suitable rating with selector switch - 1Set. c) 100A, 96mmx96mm Digital Ammeter with 100/5 CT/ Selector Switch - 1Set. III)Out going a) 6/10 Amps, 10 KA Breaking capacity, single Pole C Series MCB - 3 Nos. b) 10Amps, 10 KA Breaking Capacity, TP C Series MCB (For Power tool motor) - 1No. IV)For Aviation Obstruction Light a) 6 Amps, 10 KA Breaking capacity DP MCB- 1No.	Set	3	34568.00	103704.00
18	Supply of following sizes of 1.1kv grade multicore Aluminium conductor XLPE insulated PVC sheathed armoured cable (as per IS : 7098:1988 with upto date amendments) complete as required as per specifications.				
18.01	4 core, 16 Sqmm, Aluminium cable	Mtr.	150	210.00	31500.00

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S.No.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
19	Supplying and laying of 63 mm dia (OD-63 mm & ID-51 mm nominal) DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	Mtr.	120	120.00	14400.00
20	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/ DWC pipe as required.				
20.01	Upto 35 sq. mm	Mtr.	120	2.00	240.00
21	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.				
21.01	4 X 16 sq. mm (28 mm)	Set	6	100.00	600.00
22	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Set	3	3450.00	10350.00
23	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Mtr.	50	110.00	5500.00
Total				Rs.	4525074.00
Say				Rs.	4525074.00

(Rupees Forty Five Lacs Twenty Five Thousand and Seventy Four Only)


20/3/23

(L.P.S. Solanki)
Asstt. Gen. Mgr. Engg.(E)
Sadarjung Airport