



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

स0: भाविप्रा/एसएपी/ईजी.(वि.)/फ्लैग मास्ट/डब्ल्यू ओ-144/2021-22/3164-71 दिनांक: 08.03.2022
Ref. No. AAI/SAP/Engg.(E)/Flag Mast /W.O-144/2021-22 Dt. 08.03.2022

सेवा में,

मै. बुद्धिराजा इलेक्ट्रिकल्स,
1464/1, गुरुद्वारा रोड,
कोटला मुबारकपुर, नई
दिल्ली - 110003

M/s Budhiraja Electricals,
1464/1, Gurudwara Road,
Kotla Mubarakpur, New
Delhi -110003

विषय: सफदरजंग हवाई अड्डे पर ध्वज मस्तूल और उच्च मस्तूल का एसआईटीसी।

एसएच:- सफदरजंग हवाई अड्डे पर ध्वज मस्तूल का एसआईटीसी।

Subject:- SITC of Flag Mast and High Mast at Safdarjung Airport. SH: SITC of Flag Mast at Safdarjung Airport.

संदर्भ i) आपकी खोली गई ई-निविदा दिनांक 18.02.2022. (Bid Invitation No. 2022_AAI_100417_1)

Ref: Your Price-bid opened on 18.02.2022.

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 ₹0 12,20,367/- (मात्र बारह लाख बीस हजार तीन सौ सड़सठ रुपये) है जो कि अनुमानित लागत राशि ₹0 16,74,320/- से 27.11% 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. 12,20,367/- (Rupees Twelve Lakhs Twenty Thousand Three Hundred and Sixty Seven Only) which is 27.11% below from the estimated cost put to tender of Rs. 16,74,320/- (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 22.03.2022 तक सहायक महाप्रबंधक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, सफदरजंग हवाई अड्डा, नई दिल्ली-110003 के कार्यालय में उपस्थित हों। संविदा करार Rs.100/- (मात्र सौ रुपये) के न्यायिकेतर (नॉन-जूडिशियल) 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. G.M. Engg (Elect), AAI, Safdarjung Airport, New Delhi by 22.03.2022 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.



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3. कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर शेष प्रतिभूति जमा के रूप में रु0. 1,22,037/- (मात्र एक लाख बाईस हजार सैंतीस 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।

Please deposit Rs. 1,22,037/- (Rupees One Lakh Twenty Two Thousand and Thirty Seven Only) towards security deposit within 10 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 प्रबंधक (विधुत) 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 Manager (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 03(तीन) महीने, का समय प्रदान किया जाता है। जोकि दिनांक 17.03.2022 से प्रारम्भ माना जाएगा।

Please note that the time allowed for carrying out the work shall be 03 (Three) months and same shall be reckoned from 17.03.2022.

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 thereof 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.

9. कृपया पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप विधिवत् 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.

AGM (E)



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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. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।
In case of any discrepancy, English version will be taken as correct.
12. 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.
13. 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.
14. सभी इनपुट क्रेडिट आपके द्वारा एएआई को दिए जाएंगे।
All input credits will be passed on to AAI by you.

भवदीय

Yours faithfully

(अशोक कुमार) / (Ashok Kumar)

सहायक महाप्रबंधक अभि.(वि.) / Asstt. Gen. Mgr. Engg (E)
अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर एवं तरफ से
For & on behalf of Chairman, Airports Authority of India

संलग्न: शड्यूल ऑफ कुएंन्टिटीज
Encl: Schedule of Quantities



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N.O.O./
Copy to

1. महाप्रबंधक (अभि०-विद्युत), उत्तरी क्षेत्र, एएआई, आपरेशनल कार्यालय परिसर, रंगपुरी, नई दिल्ली।
2. विमानपत्तन निदेशक, एएआई, सफदरजंग हवाई अड्डा, नई दिल्ली।
3. संयुक्त महाप्रबंधक(अभि०-विद्युत), उत्तरी क्षेत्र, एएआई, आपरेशनल कार्यालय परिसर, रंगपुरी, नई दिल्ली।
4. सहायक महाप्रबंधक (वित्त), एएआई, सफदरजंग हवाई अड्डा, नई दिल्ली।
5. संबंधित फाइल।
6. कार्य आदेश।
7. एग्रीमेंट फाइल।

(अशोक कुमार) / (Ashok Kumar)
सहायक महाप्रबंधक अभि.(वि.) / Asstt. Gen. Mgr. Engg (E)
अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर एवं तरफ से
For & on behalf of Chairman, Airports Authority of India

Schedule of Work

Name of Work:- SITC of Flag Mast and High Mast at Safdarjung Airport. SH:- SITC of Flag Mast at Safdarjung Airport.

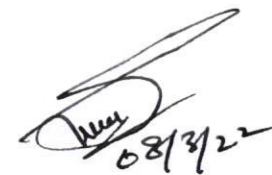
S. No.	Description of Item	Unit	Qty.	Rate	Amount
1	SH-I SUPPLY				
2	Supply of 100 feet (30.50 Meter) height Flag Mast, Mast shaft shall be in three sections, hot dip galvanized and suitable for wind velocity confirming to IS 875, the shaft shall be PU painted (Polyurethane) with a coating of etch primer, primer and PU paint with all contractor's materials, all accessories, labour, lead, lift, transportation, loading, unloading, all taxes etc., complete and as directed by engineering in charge with the following items (a) Mast shall be suitable for Indian Tri color Flag of size 9.15 Mtr.x 6.10 Mtr. (30feetx20feet) (b) System for raising lowering of Flag. It shall have double drum winch, 6mm dia galvanized wire rope and integral power tools for the raising and lowering of Flag. Suitable control panel shall be provided for reversing operation of power tool motor. (c) Supply of aviation system with 3C x 2.50 Sqmm Cu armoured cable. (d) Painting of 30.50 Mtr. Flag Mast PU painting of High Mast shaft with a coating of etch primer, primer and PU paint.	No.	1	509000	509000.00
3	Supplying of hot dipped galvanized foundation bolts from special steel (TS 600N/Sq.mm) along with nuts, washers, anchor plates and templates confirming to IS/BIS.(FOR 30.5 Mtr. POLE)	Set	1	17400	17400.00
4	Supply of double dome LED type Aviation Obstruction Light for Flag mast. Model No. HAVL 01 D 230, Make: Halonix or equivalent.	No.	1	4640	4640.00
5	Supply of 5Mtr. high hot dip galvanised octagonal pole suitable to mount 2 nos.flood light fitting at top.	No.	2	9280	18560.00
6	Supply of hot dipped galvanized foundation bolts manufactured from special steel along with nuts, washers etc. (FOR 5 Mtr. POLE)	Set	2	696	1392.00
7	Supply of 350W LED Flood light having minimum Lumens system output of 38500 Lumens and maximum system wattage of 100 (+10%) Watt and housing should be high pressure die cast aluminium/standard alloy for outdoor application with toughened glass, luminaires efficiency minimum 110 Lumens per watt, IP 65 or higher, CRI minimum 70 and suitable for operating voltage range of 140-270 V, IK rating 07 or above, power factor >0.95, THD<10%, surge protection 4KV or higher, etc. complete as per technical specification for illumination of Flag mast to be mounted on 5 mtr pole. The fixture should comply with the other parameter as per IS10322	Each	6	11300	67800.00
8	Supply of indian national flag of size 30Ft (L) X 20Ft (W) in 100% knitted Polyester (160gsm), double stitched on 03 sides & 4th side rope/toggle sleeve with double hemming.	Each	4	17400	69600.00
9	Supply of outdoor stand mounted feeder pillar fabricated out 14SWG CRCA sheet with 32A TPN MCB incomer, multifunction timer switch, 22A TP contactor for the automatic switching of luminaires, power tool control with suitable contactors and raise lower push button, The Panel shall have 2KVA inverters suitable to work on 200v- 230v,50Hz input and 230v,50Hz output along with SMF VRLA batteries to provide 30 minutes back up time and as per technical specification, approved list of make etc as required. Inverter and battery shall be accommodated in the control panel with proper air ventilation.(Agency shall finalise the make and dimensions of Inverter and battery bank before approving the general arrangement drawing of control panel).	Each	1	105000	105000.00

S. No.	Description of Item	Unit	Qty.	Rate	Amount
10	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.				
10.01	3.5 core, 35 Sqmm, Aluminium cable	Mtr.	500	265	132500.00
11	Supply & Installation of Surge Protection Device Type 1/Class B with IP 65 Thermoplastic Enclosure Tested as per IEC 61643 Part 11:2011 in the main panel with following specification: Nominal voltage -230V 50/60Hz and MCOV $\geq$ 255 V , The Surge Protection Devices shall have TOV withstand (L-N/N-PE) $\geq$ 440 V for 120 min/1200 V for 200 ms. Lightning Impulse discharge current (L-N/N-PE) - 12.5 kA/50 kA (10/350 μ sec) & Max Discharge current (L-N/N-PE) - 65 kA/100 kA (8/20 μ sec). Follow Current: Not Allowed. Protective Elements are High Energy MOV & GDT and the Protection Modes for : 3 numbers of Type 1 + 2 SPD for connection between Phase and Neutral and one number of SPD between Neutral and Earth. Short- Circuit Current rating (Iscrr) – 50 kA/50 Hz. Back up fuse shall be 315 AgG/gL. Health Status Indication required in all catridge and Remote monitoring facility. Total Response time (L-N/N-PE) < 25 ns / < 100ns.	Each	1	29000	29000.00
		Total of SH:I			954892.00
12	SH-II : INSTALLATION ,TESTING AND COMMISSIONING				
13	Construction of shallow foundation with M30 grade concrete for the 100 feet (30.50 Meter) height Flag Mast considering the safe soil bearing capacity (10T/SQM @ depth of 2 Mtr) at site at suitable depth with all materials and labour and Soil investigation etc. i/c Excavtion,Steel,RCC,Shuttering,Back filling complete to the satisfaction of Engineer-in-Charge.	Each	1	95000	95000.00
14	Erection of the Flag Mast with the help of suitable equipments and assembly of operating system and Flag supplied.	Each	1	46400	46400.00
15	ITC of the flood light fittings on 5mtr pole of all sizes and shapes complete with all accessories including connection etc. as required.	Each	6	1000	6000.00
16	Supplying and laying of following size 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. in the existing trench, complete as required.				
16.01	120 mm dia (OD-120 mm & ID-103 mm nominal)	Mtr.	125	235	29375.00
17	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.				
17.01	Upto 35 sq. mm	Mtr.	250	50	12500.00
18	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
18.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	Mtr.	250	90	22500.00
19	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.				
19.01	3½ X 35 sq. mm (32 mm)	Each	4	350	1400.00

S. No.	Description of Item	Unit	Qty.	Rate	Amount
20	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.	Each	4	6000	24000.00
21	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required	Mtrs.	30	35	1050.00
22	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Mtrs.	30	200	6000.00
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.	Each	25	620	15500.00
24	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Each	25	230	5750.00
			Total of SH:II		265475.00

Total of SH:I	Rs. 954892.00
Total of SH:II	Rs. 265475.00
Total (SH:I + SH:II)	Rs. 1220367.00
Say	Rs. 1220367.00

(Rupees Twelve Lakhs Twenty Thousand Three Hundred and Sixty Seven Only)



A.G.M. (Engg.-E)
Safdarjung Airport