



Ref. No: AAI/HUB/ENGG-E/2024-25/CW-02/WO-05/3127

Date: 22.01.2025

//By Speed Post/ Email//

सेवामें/To

मैसर्स मनीष इलेक्ट्रिकल्स,
M/s. Manish Electricals,
कल्पनानगर, नंबर 7 केपास, /
Kalpana Nagar, Near No.7,
चौराहा, मोरार, / chouraha, Morar,
ग्वालियर-474006 / Gwalior - 474006
Email ID : manishelectricals21@gmail.com

कार्यकानाम/ Name of Work:- हुबली हवाई अड्डे पर पुरानी जीएलएफ सुविधाओं का प्रतिस्थापन"/
Replacement of Old GLF Facilities at Hubballi Airport

संदर्भ/ Ref: 1) 1) AAI Tender Id :- 2024_AAI_212372_1

2) Your E-Tender (Financial Bid) opened on 18.12.2024.

महोदय/Dear Sir,

1. अध्यक्ष, भा. वि. प्रा. की ओर से उपरोक्त कार्य हेतु आपकी निविदा को कुल बातचीत की गई राशि रु.59,21,050.00 (जीएसटी को छोड़कर) (केवल उनचास लाख इक्कीस हजार पचास मात्र) (जीएसटी को छोड़कर) जो अनुमानित लागत रु.65,39,066.00 (जीएसटी को छोड़कर) से 9.45% नीचे है, एतद्वारा स्वीकार किया जाता है

Your E-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to Rs.59,21,050.00 (excluding GST) (Rupees Fifty Nine Lakhs Twenty One Thousand and Fifty Only) which is 9.45% below the justified cost of Rs.65,39,066.00 (Rupees Sixty Five Lakhs Thirty Nine Thousand and Sixty Six Only) excluding GST.

2. वरिष्ठ प्रबंधक (इंजिनियरिंग-विद्युत) एएआई, हुबल्लि हवाई अड्डा इस कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने के लिए निर्धारित दिनांक: 05.02.2025 तक वरिष्ठ प्रबंधक (इंजिनियरिंग-विद्युत) भा.वि.प्रा हुबल्लि हवाई अड्डा, हुबल्लि के कार्यालय में उपस्थित हों। संविदा करार को रुपये 100/- (केवल एक सौ रूपए) मूल्य के एक गैर न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर के मूल्य को आपके द्वारा वहन किया जाएगा.

Sr. Manager (Engg-Elect), AAI, Hubballi Airport, Hubballi shall be the Engineer -In-Charge of this work. You are requested to attend the office of Sr. Manager (Engg- Elect), AAI, Hubballi Airport, Hubballi by 05.02.2025 to sign and complete the contract agreement. The



contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees Hundred Only) and the cost of the stamp paper shall be borne by you.

3. बयाना राशि जमा राशि रु. 1,30,780.00 प्राप्त हुए और निविदा नियम एवं शर्तों के अनुसार इसे वापस कर दिया जाएगा। आपको सलाह दी जाती है कि इस पत्र के जारी होने की तारीख के बाद 10 दिनों के भीतर सुरक्षा जमा के रूप में 5,92,105.00 (केवल पांच लाख निन्यानबे हजार एक सौ पांच मात्र) जमा करें, ऐसा न करने पर अनुबंध दस्तावेज़ के पृष्ठ जीसीसी-6 के निविदा शर्त खंड 1 ए के अनुसार कटौती की जाएगी।

The Earnest Money Deposit Amount of Rs. 1,30,780.00 received and same shall be refunded as per tender terms & conditions. You are hereby advised to deposit Rs.5,92,105.00 (Rupees Five Lakhs Ninety Two Thousand One Hundred and Five Only) towards security deposit within 10 days after the date of issue of this letter, failing which the same will be deducted as per Tender Condition Clause 1 A of page GCC-6 of contract document.

4. आपसे अनुरोध है कि ठेका श्रम (विनियमन एवं उन्मूलन) अधिनियम 1970, ठेका श्रम (विनियमन एवं उन्मूलन) केन्द्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिकों (रोजगार और विनियमन का अधिनियम) के प्रावधानों का पालन करने का अनुरोध किया जाता है सेवा की शर्तें) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण अधिनियम 1996, जैसा कि केंद्र और राज्य सरकारों के निविदा और 55 जीसीसी के नियमों के पृष्ठ संख्या 32-38 पर खंड - 19 में निर्दिष्ट है।

You are requested to comply with the provisions of contract labor (Regulation and abolition) act of 1970 and contract labor (Regulation and abolition) Central rules 1971, Child labor (Prohibition & Regulation) Act 1986, Construction workers (Regulation of Employment and Conditions of Service) Act 1996, Building and other construction workers welfare Cess Act 1996 as specified in Clause-19 on Page No.32 to 38 of GCC of tender and rules of Central and State Governments.

5. आपको यह भी निदेश दिए जाते हैं कि अधीक्षक (इंजिनियरिंग-विद्युत), हुबबल्ली हवाईअड्डा, हुबबल्ली से तुरंत संपर्क करें जो आपको साइट सौंपने के लिए व्यवस्था करे

You are also directed to contact Superintendent (Engg-Electrical), AAI, Hubballi Airport, Hubballi immediately who will arrange to hand over the site to you.

6. कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय 06 (छह) महीने होगा और इसकी गणना दिनांक 31.01.2025 से की जाएगी।



Please note that the time allowed for carrying out the work shall be 06 (Six) Months and same shall be reckoned from 31.01.2025.

7. अनुबंध के संबंध में किसी भी आगे के पत्राचार को आमतौर पर असिस्ट को संबोधित किया जाना चाहिए। वरिष्ठ प्रबंधक (इंजी-इलेक्ट), हुबबल्लि हवाई अड्डा, जो इस काम के इंजीनियरिंग-इंचार्ज होंगे।

Any further correspondence in connection with the contract should normally be addressed to the Sr. Manager (Engg- Elect), Hubballi Airport, who will be the Engineer-In-charge of this work.

8. कृपया पावती भेजें एवं इस पत्र के साथ संलग्न इसकी प्रतिलिपि पर हस्ताक्षर करते हुए उसे स्वीकृति के तौर पर अधोहस्ताक्षरी को भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as token of acceptance.

9. यदि हिंदी संस्करण में कोई व्याकरण संबंधी त्रुटि है, तो अंग्रेजी संस्करण हिंदी संस्करण का स्थान ले लेगा।

If any grammatical mistakes in Hindi version, the English version will supersede Hindi version.

भवदीय/Yours faithfully,

22/1/25

(वरिष्ठ प्रबंधक (इंजी- सि.)/ Sr. Manager (Engg-E))
कृते एवं अध्यक्ष की ओर से / For and on behalf of the Chairman,
भा.वि.प्रा/ Airports Authority of India,
हुबबल्लि हवाई अड्डा/Hubballi Airport, Hubballi

संलग्न/ Encl:

1. Schedule of Quantities

Schedule of Quantity

Name of Work: Replacement of Old GLF Facilities at Hubballi Airport

Item No	Description of Item	Qty	Unit	Rate	Amount
	SH-I: Supply of Fixtures				
1	Supply of Bi-Directional Elevated High Intensity Halogen Type Runway Edge Light Fitting complete with prefocus lamp holder, upto 200 watt 6.6 A halogen lamp ,clear outer prismatic dome, clear inner prismatic lens, lens holding mechanism, ball joint for easy levelling, breakable coupling, central column mounting assembly, gaskets, two pin secondary lead plug suitable for connection with isolating transformer, base plate with 6 nos. M-10 stainless steel bolts, spring & plain washers & other accessories etc. and confirming to particular specification with lens including lamp etc. as required to meet latest ICAO requirement and to match with existing Youyang make fittings.				
1.1	clear lense/clear lense	40	Nos	6900.00	276000.00
1.2	clear lense/amber lense	30	Nos	6900.00	207000.00
2	Supply of Unidirectional Elevated Type High Intensity Approach Light Fitting suitable for use with upto 200W 6.6A halogen lamp complete with prefocus lamp holder, 200 watt 6.6 A halogen lamp , lens / spreader glass, lens holding mechanism, reflector assembly, elevation and horizontal adjustment mechanism, breakable coupling , central column mounting assembly, gaskets, two pin secondary lead plug suitable for connection with isolating transformer, base plate with 6 nos. M-10 stainless steel bolts, spring & plain washers & other accessories etc. and confirming to particular specification with following lens including lamp etc. as required to meet latest ICAO requirement.				
2.1	With Clear Lense(For Approach lights)	40	Nos	8500.00	340000.00
2.2	With Green Lense(For Threshold lights)	20	Nos	8500.00	170000.00
2.3	With Red Lense(For End lights)	15	Nos	8500.00	127500.00
3	Supply of following Bi-directional INSET TYPE HIRL EDGE LIGHT FITTING, matching body made of die cast aluminium, 2 x 105W 6.6Amps pre-focused Halogen lamp, connected heat resistant accessories, prism assembly, optical assembly, O-ring seal, pressure relief plug, hardware, clear/yellow lenses etc. complete as required including O-ring, gasket and one set lamps complete as required as per specifications and to suit with existing shallow base of Youyang make fitting.				
3.1	Left beam clear and right beam yellow or amber	4	Nos	62000.00	248000.00
3.2	Left beam clear and right beam clear	4	Nos	62000.00	248000.00
4	Supply of uni-directional INSET TYPE APPROCAH LIGHT FITTING with clear lenses, matching body made of die cast aluminium, 3 x 105W 6.6A pre-focused halogen Lamp, connected heat resistant accessories, prism assembly, optical assembly, O ring seal, pressure relief plug, hardware, clear lenses etc. complete as required to suit with existing shallow base of Youyang make fitting.	2	Nos	65000.00	130000.00
5	Supply of 6 sqmm , 5 KV grade, single core stranded copper conductor PVC insulated and PVC sheathed Unshielded , anti termite and anti rodent treated Airport Lighting UG Cable generally confirming to IS 1554 Part-II with up to date amendments .	2991	Mtr	90.00	269190.00

Item No	Description of Item	Qty	Unit	Rate	Amount
6	Supply of 16 sqmm , 5 KV grade, single core stranded copper conductor PVC insulated and PVC sheathed Unshielded , anti termite and anti rodent treated Airport Lighting UG Cable generally conforming to IS 1554 Part-II with up to date amendments .	1000	Mtr	215.00	215000.00
7	Supply of following sizes 5 KV grade dry type Plug and Receptacle of type I, class 'B' primary connector kit with field attachment and suitable for 5 KV grade single core copper conductor, copper braided, XLPE insulated PE outer sheathed shielded cable, complete as required confirming to the technical specification.				
7.1	16 sqmm	20	SET	425.00	8500.00
7.2	6 Sqmm	50	SET	425.00	21250.00
8	Supply of secondary lead of size 2 x 4 sq mm multi stranded annealed conductor PCP sheathed unshielded cable of 1.1 KV grade.	250	Mtr	220.00	55000.00
9	Supply of C.I. Isolating Transformer housing box,water tight, round type,metal container of Dimension outside height 450mm, Outside Diameter 330mm, made of 10mm thick all around,top Surface 15mm thick smoothly machined to receive base of light fixture base plate, installed underground/cc grouting for housing isolation transformer, AFL cable leads, having a clear holes centre 75mm above bottom surface suitable to receive One/two/three Nos of 50mm dia "B" class GI pipe fixed with check nuts and other holes at 250mm from the bottom of the CI Box to receive 15mm dia "B" class GI pipe with check nuts as required. CI box should have two SS earth bolts of M10 x 30mm with tapped holes inside near the hole and having a drain hole at the bottom suitably tapped to receive 15mm dia "B" class GI pipe and having clear opening of 220 mm at the top surface, 6 nos. M-10 taped holes at hole centre of 260 mm to receive fitting base plate and bolts as per the drawings & Technical specifications etc complete as required.	40	Nos	5400.00	216000.00
10	Supply of 50mm (OD) size HDPE pipe,PN4 grade, PE 63, ISI marked conforming to IS 4984:1995 complete as required.	1500	Mtr	75.00	112500.00
	SH-II: Supply of Spares				
11	Supply of two pin Halogen lamps suitable for Runway/approach light fittings as below.				
11.1	200 watts, 6.6 Amps, two pin Halogen lamp suitable for the Runway /Approach light fittings at Item No 1	30	Nos	580.00	17400.00
11.2	200 watts, 6.6 Amps, two pin Halogen lamp suitable for the existing youyang make Runway fittings (Make/Model:OSRAM-58750)	50	Nos	900.00	45000.00
11.3	105 watts 6.6 Amps ,two pin Halogen lamp suitable for item no 3 &4.	30	Nos	580.00	17400.00
12	Supply of following capacity 5KV grade, 50 Hz series type isolating transformer conforming to relevant IS, encapsulated in polyster resin finally moulded with neoprene type rubber with primary & secondary connections as specified in particular specifications complete as required.				
12.1	200Watts, 20A/6.6 Amps.	30	Nos	4800.00	144000.00
12.2	15 Watts 20/6.6 Amps.	20	Nos	2800.00	56000.00
12.3	15 Watts, 6.6/6.6 Amps.	20	Nos	2800.00	56000.00

No	Description of Item	Qty	Unit	Rate	Amount
13	Supply of following filters suitable for aviation ground lighting system for elevated high intensity runway fittings at item No 1 confirming to relevant IS as per specifications complete as required.				
13.1	180 deg. Yellow Inner Right filter	5	Nos	3000.00	15000.00
13.2	180 deg. Yellow Inner Left filter	5	Nos	3000.00	15000.00
13.3	360 deg inner clear lence	5	Nos	3000.00	15000.00
14	Supply of suitable Spreader lenses for the item no2.				
14.1	Clear Lense(For Approach lights)	5	Nos	3000.00	15000.00
14.2	Green Lense(For Threshold lights)	5	Nos	3000.00	15000.00
14.3	Red Lense(For End lights)	5	Nos	3000.00	15000.00
15	Supply of O ring seal for Item No 3 & 4	10	Nos	3000.00	30000.00
16	Supply of Dummy Plate 10 mm Thickness, 330 mm Dia, Including provision of 6 nos, M10 tapped holes on top and 6 nos through holes at bottom to fix M10 bolts for fixing on existing C.I. Transformer house boxes etc complete as required.	75	Nos	1200.00	90000.00
	SH-III:Apron,Isolation bay flood lights				
17	Supply of following capacity LED flood light fixtures of efficacy minimum 110 lm/w,, CRI ≥ 70,THD ≤10, IP65 or higher, surge protection ≥ 4 kV, P.F ≥ 0.95, High pressure diecast aluminium /standard alloy housing, warranty period of 5 years from date of completion, total power consumption of not more than 110% of rated power, any of the following make of LED - Nichia/Cree/ Osram / Lumiled (Philips)/Sharp/Seoul/ Everlite/Citizen(Japan)/ Bridgelux (USA)/Samsung and complying to the technical specifications in the tender document.				
17.1	50 W LED Flood Light luminaire, suitable for use at Airport Apron	25	Each	2500.00	62500.00
17.2	150 watt LED Flood light luminaire, suitable for use at Airport Apron	10	Each	4500.00	45000.00
17.3	300 watt LED Flood light luminaire, suitable for use at Airport Apron	10	Each	15000.00	150000.00
17.4	500 watt LED Flood light luminaire, suitable for use at Airport Apron	3	Each	20000.00	60000.00
	SH-IV:ITC of Fixtures				
18	Installation, testing & commissioning of Taxiway Light Fixtures on existing transformer housing boxes I/c installation of isolating transformers, lamps,etc. as required.	10	Each	300.00	3000.00
19	Installation, testing and commisioning of following type fittings on the existing transformer housing boxes including installation of transformer, lens, lamps gasket,nut bolts, lens holding clamp and other accessories i/c alignment, levelling,isolating transformer, connection, earth connection etc.all complete.				
19.1	HIRL elevated type(RUNWAY.Threshold/END light)	80	Each	200.00	16000.00
19.2	Elevated Approach Light Fittings	40	Each	200.00	8000.00
20	Installation of transformer housing box with a base concrete of 1:3:6 of size 630 x 630 x 100mm thick, all round concrete of 1:2:4 150mm thick. The top sloped with 1:2:4 cement concrete including providing and fixing 10" long 15mm dia "B" class GI pipe with checknuts for drainage of water including excavation of side shoulder and re-filling as per Technical specifications (wherever the CI Transformer Housing Boxes are in a line, the same has to be aligned in such a way that the centers fall in a straight line) etc. complete as required.	40	Nos	2500.00	100000.00

Item No	Description of Item	Qty	Unit	Rate	Amount
21	Making field connections of by crimping of 16 sq mm size plug & receptable with suitable existing size single core PVC cu. Conductor cable of 5 KV grade Airfield cable including filling the gap with water sealant material applying PVC insulation tape etc. complete as required.	20	Nos	200.00	4000.00
22	Making field connections of by crimping of 6 sq mm size plug & receptable with suitable existing size single core PVC cu. Conductor cable of 5 KV grade Airfield cable including filling the gap with water sealant material applying PVC insulation tape etc. complete as required.	50	Nos	200.00	10000.00
23	Excavation for cable trenches by Mechanical/Hydraulic excavator of minimum depth 80cm and minimum width of 35cm in all kind of soil including getting out the excavated soil and Refilling of available excavated earth (excluding rock) in trenches after laying of cable/ pipe etc. and disposal of surplus excavated soil as directed within a lead of 50 metres.	2284	Mtr	90.00	205560.00
24	Laying of 50mm (OD) size HDPE,PN4 grade, PE 63 HDPE pipe along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc. in the existing trench, complete as required.	2175	Mtr	30.00	65250.00
25	Laying/Drawing of 2 run of 6 sqmm/16 AFL Cable in the existing HDPE/RCC/ HUME/ METAL pipe as required.	2175	Mtr	30.00	65250.00
SH-V:EARTHING					
26	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia medium class including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	20	Each	7500.00	150000.00
27	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe medium class from earth electrode including connection with G.I. thimble excavation and refilling.	2175	Mtr	30.00	65250.00
SH-VI:SIGNAGES					
28	Design, Supply, installation, testing and commissioning of guidance sign boards of various sizes (as per annexure) made of anodised 2 mm thick aluminium frame with suitable angle support with 1.5 mm thick aluminium back cover and 4 mm thick transparent poly carbonate sheet with glare free face, the letter and symbols should be screen printed(inside of polycarbonate sheet) with required colouring, suitable arrangement shall be made to function on both main and standby (runway/taxiway) circuits with internal control circuits. suitable arrangements shall be made for water tightness and locking arrangements i/c. installations of isolating transformers, providing secondary leads, ESNA connectors. Suitable arrangements shall be made for water tightness and locking arrangement, sign boards shall be uniformly internally illuminated with required number of LED lights to achieve required illumination level, operated on input source of 2.5 A to 6.6 A constant current without any flickering, including its supporting legs, breakable coupling and base frame etc. complete as required as per ICAO.	25	Sqmtr	35000.00	875000.00
SH-VII:Civil Works					
29	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including form work etc. as required as per the site condition.	20	Cum	6500.00	130000.00

No	Description of Item	Qty	Unit	Rate	Amount
30	Making of Masanory Chambers for Existing Earth pit of Size 1ftx1ft Including providing cover plate of 5mm thick MS Checkered plate.	25	Each	700.00	17500.00
31	Cutting & threading of Existing GI Pipe as per site requirement in order to meet with the slope of Existing CAT-1.	40	Job	1500.00	60000.00
32	Core Cutting of Concrete wall of thickness 25cm(Approx.) and dia of 75/100 mm using core cutting machine including labour and materials etc. for crossing the OFC/RC/AFL Cables through storm water drain etc as per site condition.	10	Job	1500.00	15000.00
33	Taking GPS based co-ordinates by using total station and identifying the locations of light fixtures, route of cable etc based on GPS co-ordinates and marking, submission of reports / drawings etc. as required and as per directions of the Engineer In charge. Carry out Survey of CAT-1 Approach area for marking the center line.	1	Job	250000.00	250000.00
	SH-VIII:Dismantling of Fixtures				
34	Dismantling of existing old elevated type Runway / Taxiway/Approach light fitting and handing over to AAI store complete as required.	120	Job	200.00	24000.00
35	SH-IX: Photometric field test for Existing GLF fittings Carrying out and Making in-field measurement of intensity, beam spread, orientation, chromaticity, luminous factor, one time field alignment setting for inset,elevated type approach, elevated type runway edge, elevated type threshold, PAPI airfields ground lights by using vehicle mounted mobile testing equipment system, frame reader and submission of phtometric test reports etc as per requirement of ICAO / DGCA requirement etc. complete as required as per technical specifications for GLF installations of Hubballi Airport.	1	Job	350000.00	350000.00
	Total Amount				5921050.00

(In Rupees Fifty Nine Lakhs Twenty One Thousand and Fifty Only)

Note : GST extra as applicable


 (वरिष्ठ प्रबंधक (इंजी- सि.)/ Sr. Manager (Engg-E))
 भा.वि.प्रा/ Airports Authority of India,
 हुबबल्ली हवाई अड्डा/ Hubballi Airport, Hubballi.

Signature Not Verified

Digitally signed by DISHA BHATT
 Date: 2025.10.24 17:46:36 IST
 Location: eProcurement System for
 Central PSUs