



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

317
173

Ref No: AAI/DDN/Engg (E)/PROJ /LOI/GLF/2023-24/ 4421

Date: 01/09/2023

LETTER OF INTENT

To,

M/s Rajasthan Crane Services
105, Navjeevan chamber,
G-4, Vinoba Marg , c Scheme,
Jaipur Rajasthan- 302001

Name of Work: -“ Development of Sarsawa Airport (Saharanpur) for RCS Operations”.

SH : Provision of Taxiway Lights.

Ref : - Your tender opened as per tender id 2023_AAI_162925_1 on 30.08.2023

Dear Sir,

1. Your 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 totalling to **Rs.39,78,639/- (Rupees Thirty Nine Lakhs Seventy Eight thousand Six Hundred Thirty Nine only)** which is **25.30%** Below the justified cost of **Rs.53,26,353/-**.
2. You are here by requested to start preparatory activities for the commencement of work. Please note that the time allowed for carrying out the work shall be **02 months**.
3. Any further correspondence in connection with the contract should normally be addressed to the AGM (E-E), AAI, Sarsawa Airport, Saharanpur.
4. Kindly note that this LOI forms part of the agreement and the detailed work order follows.

Kindly acknowledge the receipt of LOI and convey your acceptance for the same.

Yours faithfully,


(D.S.Negi)

AGM (E-E), Dehradun Project
For and on behalf of the Chairman,
Airports Authority of India



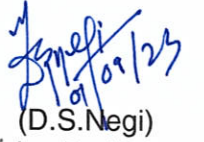
भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

N.O.O

प्रतिलिपि:

1. कार्यपालक निदेशक (अभियांत्रिकी), उत्तरी क्षेत्र, निगमित मुख्यालय, भा.वि.प्रा नई दिल्ली।
2. महाप्रबन्धक (अभि-वि). उत्तरी क्षेत्र, भा.वि.प्रा, निगमित मुख्यालय, नई दिल्ली।
3. महाप्रबन्धक (अभि-प्रौजेक्ट), भा.वि.प्रा, देहरादून हवाई अड्डा, देहरादून।
4. संयुक्त महाप्रबन्धक (अभि-प्रौजेक्ट), भा.वि.प्रा, सरसावा हवाई अड्डा, सहारनपुर।
5. प्रबन्धक (अभि-वि), भा.वि.प्रा., सरसावा हवाई अड्डा, सहारनपुर।
6. सहा. प्रबन्धक (अभि-वि), भा.वि.प्रा., देहरादून हवाई अड्डा।
7. सम्बन्धित फाईल।

सूचनार्थ


(D.S. Negi)

AGM (E-E), Dehradun Project



Ref. No.AAI/SARSAWA/Engg (E)/GLF/2023-24/4424

Date: 06/09/2023

To,

M/s Rajasthan Crane Services
105, Navjeevan chamber,
G-4, Vinoba Marg , c Scheme,
Jaipur Rajasthan- 302001

Name of Work: -“DEVELOPMENT OF SARSAWA AIRPORT(SAHARANPUR) FOR RCS OPERATIONS.”.

SH: PROVISION OF TAXIWAY LIGHTS.

Ref : - Your tender opened as per tender id 2023_AAI_162925_1 on 30.08.2023

LOI no.- AAI/DDN/Engg (E)/PROJ/LOI/GLF/2023-24/4421 dt.01.09.2023

महोदय / Dear Sir(s),

1. ऊपर उल्लेखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है, आपके द्वारा बताये गये मद मूल्यों पर आपकी ई-टेंडर राशि रुपये. 39,78,639/- (रु उनतालीस लाख अठतर हज़ार छह सौ उनतालीस मात्र) के लिए स्वीकृत किया जाता है। जो टेंडर की उचित लागत राशि रुपये 53,26,353/- से 25.30% नीचे है। इस टेंडर राशि में GST शामिल नहीं है।

Your 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. 39,78,639/- (Rupees Thirty Nine Lakhs Seventy Eight thousand Six Hundred Thirty Nine only) which is 25.30% Below the justified cost of Rs. 53,26,353/-. The quoted amount does not include GST.

2. सहायक महाप्रबंधक(अभि-वि.) प्रोजेक्ट भाविप्रा देहरादून एयरपोर्ट देहरादून कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि आप या आपकी ओर से एक विश्वासनीय प्रतिनिधि प्रतिनियुक्त करें जो करारनामे पर हस्ताक्षर करने के लिए अधिकृत हो तथा वह दिनांक:16.09.2023 तक सहायक प्रबंधक (अभि वि.) भाविप्रा देहरादून एयरपोर्ट देहरादून के कार्यालय में उपस्थित हो तथा करारनामों को पूरा करें। ठेके का करारनामा रु. 100/- के नॉन ज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जायेगा तथा करारनामा का खर्च आपके द्वारा उठाया जायेगा।

Asst. General Manager (Engg -E), AAI, Dehradun Airport, Dehradun, shall be the Engineer - In - Charge of the work. You are requested to attend the office of Asst. Manager (Engg -E), AAI, Dehradun Airport, Dehradun, by 16.09.2023 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. अग्रिम राशि रुपये 1,06,527/- (एक लाख छह हजार पाँच सौ सत्ताईस मात्र) जो कि टेंडर के साथ प्राप्त हुई है। तथा पृष्ठ जीसीसी-17 परसंविदा शर्त 1A के अनुसार जमानत राशि में बदलदी जाएगी। कृपया रुपये. 2,91,337/- (रु दो लाख इक्यानबे हजार तीन सौ सैंतीस मात्र) की जमानत राशि इस पत्र के जारी के दसवें दिन तक जमा कराये, अन्यथा निविदा दस्तावेज के अनुसार उक्त राशि की रनिंग बिल से कटौती की जायेगी।


Anil K. Singh (E)



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA



The earnest money amount of Rs. 1,06,527/- (Rupee One Lakh Six thousand Five hundred Twenty Seven only) received along with your tender will be treated and converted as part of Security deposit as per condition of clause no 1.A on page GCC - 17 of contract document. Please deposit Rs. 2,91,337/- (Two Lakhs Ninety One thousand Three hundred 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 the contract document.

4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबन्ध श्रम नियम तथा 1971 केन्द्रीय नियम अनुबन्ध श्रम नियम (नियमन तथा उन्मूलन एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation & Abolition) Central rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified irrelevant Clause of tender and rules of Central and State Government..

5. श्रम के विभिन्न विधानों के अनुसार सम्बन्धित अधिकारियों से लाइसेंस/अनुमति लेने व पालन करने के लिए एकमात्र दायित्व ठेकेदार (करार फर्म/कम्पनी सहित) का होगा, जिसमें संविदा श्रम (विनियमन एवं उन्मूलन) अधिनियम, 1970 के अन्तर्गत लेबर लाइसेंस लेना भी शामिल है।

It will be the sole liability of the contractor (including the contracting firm/ company) to obtain and to abide by all necessary licenses/ permissions from the authorities concerned as provided under the various labour legislations including the labour license obtained as per the provisions of the Contract Labour (Regulation & Abolition) Act, 1970.

6. आपको निर्देश दिया जाता है कि आप तुरन्त प्रबन्धक (अभि.वि.) सरसावा विमानपत्तन से मिलें वह आपको साइट सौंपने की व्यवस्था करेंगे।

You are also directed to contact Manager (Engg.-E), Sarsawa Airport immediately who will arrange to hand over the site to you.

7. कृपया नोट कर लें कि काम करने का अनुमानित समय 02 महीने है जो कि इस कार्य आदेश के दिनांक से गिना जायेगा।

Please note that the time allowed for carrying out the work shall be 02 (Two) months, which shall be reckoned from the date of issue of this work order.

8. दोष दायित्व अवधि प्रमाणित समापन तिथि से 12 महीने की होगी। इस अवधि के दौरान किसी भी प्रकार के दोष होने पर आपको दोष अपने खर्च पर ठीक कराना होगा। जिसकी जिम्मेदारी आपकी होगी।

You will be responsible to make good and rectify at your own expense of any defect which may develop or may be noticed within the Defects Liability Period of **12 months**, which shall be reckoned from the certified date of completion.



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9. इस ठेके के सम्बन्ध में आगे का कोई भी पत्राचार इंजिनियर इनचार्ज, भारतीय विमानपत्तन प्राधिकरण देहरादून हवाई अड्डा, देहरादून के पते पर किया जाएगा।

Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge, AAI, Dehradun Airport, Dehradun.

10. कृपया पावती भेजे और स्वीकृति के टोकन के रूप में संलग्न इस पत्र की दूसरी प्रति हस्ताक्षर करके वापस अधोहस्ताक्षरी को भेजे।

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.

धन्यवाद

भवदीय।

[Handwritten signature]
09/23

सहा. महाप्रबन्धक (इंजी-वि.) प्रोजेक्ट

देहरादून हवाई अड्डा देहरादून।

के लिए और अध्यक्ष,

भारतीय विमानपत्तन प्राधिकरण के तरफ से

Encl:

Schedule of work (02 Page)

प्रतिलिपि:

1. कार्यपालक निदेशक (अभियांत्रिकी), उत्तरी क्षेत्र, निगमित मुख्यालय, भा.वि.प्रा नई दिल्ली।
2. महाप्रबन्धक (अभि-वि), उत्तरी क्षेत्र, निगमित मुख्यालय, भा.वि.प्रा नई दिल्ली।
3. महाप्रबन्धक (अभि-प्रोजेक्ट), भा.वि.प्रा, देहरादून हवाई अड्डा, देहरादून।
4. उप महाप्रबन्धक (अभि-सि), भा.वि.प्रा., सरसावा हवाई अड्डा।
5. प्रबन्धक (अभि-वि), भा.वि.प्रा., सरसावा हवाई अड्डा।
6. सम्बन्धित फाईल।

सूचनार्थ

सूचनार्थ एवं आवश्यक
कार्यवाही के लिए

Schedule Of Work

Name of work: Development of Sarsawa Airport(Saharanpur) for RCS Operations.
SH: Provision of Taxiway Lights.

S.No	Description of items	Unit	Qty.	Rate	Amount
	TAXI Illumination and Taxi signage				
1	Supplying, Installation, Testing and Commissioning of 4 KW , Indoor type air cooled constant current regulator (CCR) of microprocessor controlled based suitable for operation on 240/415 Volts $\pm 10\%$, 50 Hz input AC supply with 5 steps variation of suitable current output (2.8,3.4,4.0,5.2,6.6 Amps) suitable for local and remote control operation with suitable control supply and able to communicate with PC or PLC controlled system, with output current indicated on multifunction digital display, over current, over voltage, open circuit and earth fault protection and earthleakage meter, positive back indication equipments, relays, contactors, complete as required for the 4KW rating and confirming to TS specifications enclosed. (FAA Compliant).	Job	2	1,60,000.00	320000.00
2	Supply of Medium intensity elevated type omni directional LED Taxiway Edge Light Fitting with 1W LED including blue lens for LED and CI base plate and assembly with heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, lenses, connecting lead, all required hardware etc. as per confirming to ICAO Annex-14 requirement.	Each	67	3,000.00	201000.00
3	Supply of FAA certified LED type Inset unidirectional Stop Bar fitting for Aviation Visual Aid at Taxiway Line suitable for curved section complete with LED, shallow base and matching Body, single plug, inner and outer cover complete with other accessories ready for site installation suitable for 6.6 Aetc as required.(Fittings similar and compatible to the existing at Sarsawa AFS)	Each	2	60,000.00	120000.00
4	Fabrication, Supply, Installation,Testing & commissioning of internally illuminated LED based Mandatory Taxiway guidance signage of various size made out of 4mm thick glare free poly carbonate sheet at front and body made out of 2 mm thick powder coated aluminum profile having minimum width of 150mm and supported at back by 50mm dia (Nominal size),3mm thick, die cast aluminum pipe at a separation and frangible coupling as required.Light Source shall be highly luminous, long life typical 50,000 Hrs. type, 0.5 watts LED's assembled on aluminum PCB of size 700mm X 20mmX2mm having 11 LED's per PCB for boards having height 800mm or more & 500mmX20mmX2mm PCB having 8 LED's per PCB for board having height 600mm respectively.These aluminium PCB should be places not more than 160mm apart across the length of the board in order to ensure uniform distribution of light across the board.Efficiency of LED shall have delivered minimum output 95 lumens per watt and colour temperature should be more then 5000 Kelvin with proper heat dissipation. The signage boards with length varying from 800 mm to 3000mm shall be suitable for operation on series circuit at variable current from 2.8 amp - 6.6 amp (brightness of the signage should be constant with current variation) including supply and installation of suitable single capacity/ wattage electronic converters and isolating transformers for entire length of sign boards. All the signage shall have letters and symbols made by computerized cutting of vinyl and pasting on the polycarbonate sheet from inside/outside of the sign face of required color as per ICAO Annex 14 Vol1(legends as approved by EIC).Scope of work shall included for Installation of mounting each legs with grouting accessories i.e anchor bolts,washer, frame,base plate etc. complete as required but excluded civil concrete works.	Sqmtr	6.35	26,000.00	165100.00
5	Supply of 15 watt , 6.6A/6.6A, rating 5KV, 50 Hz series Isolating transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections confirming to specification as required.	Each	67	2,750.00	184250.00
6	Supply of 200 watt , 6.6A/6.6A, rating 5KV, 50 Hz series Isolating transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections confirming to specification as required.	Each	5	4,250.00	21250.00
7	Supply of 6 Sqmm , 5 KV grade plug and receptacle of type 1 class B connector and suitable field attachment for 5 KV grade PVC insulated PVC sheathed single core 6 sqmm size copper conductor cable confirming to the specified specification etc complete as required.	Each	140	400.00	56000.00
8	Making field connections by crimping 6/16 sq.mm. plug & receptable with existing 6/16 sq.mm. single core PVC copper conductor cable including filling the gap with water sealant material applying HT insulation tape over which again applying PVC insulation tape complete etc as required.	Each	140	1,500.00	210000.00
9	Supply of C.I. Transformer housing box water tight round type metal container of out side dia of 330 mm, height 450 mm made of 10 mm thick cast iron moulding all round except on top surface which is 15 mm thick suitable to receive a light fitting base plate at the top and underground housing associated with transformer power cable and having a clear hole/s center at one side surface center 75 mm above bottom surface & check nut having two earth bolts & four nuts with washer of M 10x30mm welded inside near the hole (4" away from the hole center) and having following nos. hole suitable to receive 50mm dia GI/HDPE pipe and an other one a drain hole at the bottom suitably tapped to received 15 mm dia "B" class G.I. pipe & having clear opening of 220 mm at top surface and 6 nos. M 10 tapped hole at the center of 260 mm to receive light fitting base plate and bolts and as required.	Each	16	5,200.00	83200.00
10	Installation , testing & commissioning of elevated fitting on the existing transformer housing box including installation of isolating transformer, lens, filters, lamps and other accessories, alignment leveling making transformer connection, earth connection etc. connecting plug & receptacles etc complete as required.	Job	63	500.00	31500.00

[Handwritten Signature]
[Handwritten Name]

S.No	Description of items	Unit	Qty.	Rate	Amount
11	Installation , testing & commissioning of inset light fitting with core cutting,drilling,aligning and setting including providing sealing material/quick setting sealant compound , making transformer connections,earth connections etc connecting plug & receptacles & alingment of fittings with instruments complete as required.	job	6	5,000.00	30000.00
12	Installation of transformer housing boxes with a base concrete of 1:3:6 of size 630x630x100mm thick all round concrete of 1:2:4, 150mm thick top sloped with 1:2:4 cement concrete including providing and fixing 300 mm long 15mm dia "B" class GI pipe with check nut for drainage of water including excavation of earth and refilling complete etc as required.	Job	16	2,500.00	40000.00
13	Relocation of Elevated/Inset AGL fittings along with housing Box, Fittings , Isolating Transformer and accessories(dismantling of CI housing box and civil concrete work will be paid extra) and Re-installation, testing and commissioning with all accessories complete etc as required.	Job	10	7,500.00	75000.00
14	Supply of 6.0 sq.mm. 5KV grade PVC insulated & PVC sheathed, antitermite & antirodent standard copper conductor single core Airfield lighting cable confirming IS 1554 (Part-1) with upto date amendent and confirming to particular specification etc. as required.	Meter	2800	111.00	310800.00
15	Supply of Armoured LT control cable of copper conductor of following size (i) 12 C x 1.5 sq mm	Meter	3300	239.00	788700.00
16	Supply of 50 mm outer dia. DWC/ HDPE pipe as per IS:4984:1995,Material Grade:PE 80, PN 10 and as per specified in particular specification.	Meter	3470	89.00	308830.00
17	Laying of 50 mm outer dia DWC HDPE pipe including coupling,splicing of pipe direct in ground (80 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required.	Meter	3470	150.00	520500.00
18	Laying of one number PVC insulated and PVC sheathed runway cable of 5 KV grade of 6.0 sqmm size or armoured controle cable of size 12 core in the existing RCC/ HUME/ METAL/DWC pipe as required.	Meter	6100	20.00	122000.00
19	Supply of 2core X 4 sq.mm AFL secondary lead made out of annealed tinned copper conductor, EPR insulated PCP sheathed,unarmoured,anti termite & anti rodent treated 600V/1100V grade cable for connection between isolating transformer and airfield light fixtures as specified in particular specification etc complete as required.	Meter	300	200.00	60000.00
20	Laying of size 2x4 Sqmm secondary lead and making interconnection between isolating transformer and Sign board etc in existing pipe/masonry open duct wherever reqd etc complete as reqd.	Meter	300	25.00	7500.00
21	Supply of Plug and receptacles suitable for secondary lead of 2 x 4 sqmm EPR insulated PCP sheathed copper conductor of secondary airfield lighting cables.	Each	80	600.00	48000.00
22	Making field connections by Plug or receptacles for existing secondary 2 x 4 sqmm cu cable from isolating transformer to Sign board including applying PVC insulation tape etc complete as required .	Job	80	250.00	20000.00
23	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for 1 C x 6 sq. mm size of 5KV grade PVC insulated & PVC sheathed, antitermite & antirodent standard copper conductor single core Airfield lighting cable .	Set	5	5,000.00	25000.00
24	Numbering of Taxiway/Thresold light fixtures/Isolation poles/Feedar pillar with suitable Paint for background and suitable colour paint for letter ,using stencil as per direction of EIC.	Job	75	100.00	7500.00
25	Dismantling of existing CI Box from the concrete/runway bituminous area without damage and filling the same with concrete so as to make the area flushed with the surrounding area complete as required and as per instruction of EIC.	Job	10	5,000.90	50009.00
26	Excavation for cable trench/ foundation of signboard in soft soil depth upto 1.5 mtr including refilling, dressing of sides and ramming of bottoms including getting out and disposal of surplus excavated soil as directed by EIC.	Cum	6	500.00	3000.00
27	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	5	7,500.00	37500.00
28	Providing and laying in position cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) in the foundation etc including form work etc as required.	Cum	3	5,000.00	15000.00
29	Supply of CI dummy plate of 8 mm thickness suitable for installation on the existing transformer housing boxes of 330 mm dia with 6 Nos hole suitable for M10 bolts and one no. hole at centre suitable to receive secondary cable etc as required.	each	4	500.00	2000.00
30	Earthing with G.I pipe 4.5mm long x 40 mm dia including accessiores, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt complete as required .	Set	6	7,500.00	45000.00
31	Providing and fixing 6 SWG dia G.I. wire on surface or in ground for loop earthing complete as required.	Mtr	2800	25.00	70000.00
				Total excl. GST	39,78,639.00
				Say Rs	39,78,639.00

Rupees Thirty Nine Lakhs Seventy Eight Thousand Six Hundred Thirty Nine Only (excl. GST)

[Signature]
Dinesh Singh Negi
AGM (E-E),AAI,Dehradun Airport