

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
विमानपत्तन निदेशक का कार्यालय

OFFICE OF THE AIRPORT DIRECTOR
DEPARTMENT OF ELECTRICAL ENGINEERING



ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007

भा.वि.प्रा/एम एल/इंजी.-(वि.)/डबल्यू-124/19-20/871
AAI/ML/ENGG (E)/W- 124/19-20/871

दिनांक: 27.03.2020

Dated: 27.03.2020

सेवा में,

To,

मेसर्स. अमा प्राइवेट लिमिटेड,
कनाडा बिडलिंग, २२४,
डॉ.डी.येन.रोड,
मुंबई - ४०० ००१.

M/s AMA Private Limited,
Canada Buidling, 224,
Dr.D.N. Road,
Mumbai-400 001.

कार्य का नाम:- मॉडिफिकेशन ऑफ़ एक्सिस्टिंग थ्रेशहोल्ड-कम-एन्ड लाइट इनसेट फिटिंग्स अत रनवे ०६
बिगनिंग अत मंगलुरु इंटरनेशनल एयरपोर्ट।

Name of Work: Modification of existing threshold-cum-end light inset fittings at runway 06
beginning at Mangaluru International Airport.

संदर्भ/Ref : आपकी ई-निविदा जो 10.02.2020 को खोली गई/ Your e-tender opened on
10.02.2020. (Tender ID No. 2020_AAI_39600_1)

महोदय/ Sir,

1. उल्लिखित कार्य हेतु आपकी ई-निविदा के संबंध में, आपके द्वारा उद्धरीत, कुल (बातचीत दर के साथ)
रु. 23,58,990/- (रुपय तेईस लाख अट्ठानबे हजार नौ सौ नब्बे मात्र) (जी येस टी के बिना), जो की
अनुमानित लागत राशि रु. 31,36,843/- (जी येस टी के बिना), से 24.80% कम है, को अध्यक्ष, भारतीय
विमानपत्तन प्राधिकरण ही ओर से स्वीकृत किया जाता है।

Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports
Authority of India, at the item rates/percentage rate quoted by you totaling to **Rs. 23,58,990/- (Rupees
Twenty Three Lakhs Fifty-Eight Thousand Nine Hundred and Ninety Only)** (excluding GST)
which is 24.80% below the estimated cost put to tender of Rs. 31,36,843 /- (excluding GST).

Contd.....2

मंगलूरु अंतर्राष्ट्रीय हवाई अड्डा, मंगलूरु, - 574 142

MANGALURU INTERNATIONAL AIRPORT, MANGALURU - 574142

www.airportsindia.org.in www.aai.aero Email: hod_electricalmangalore@aai.aero

PHONE/दूरभाष:0824 -2220436

FAX/ फेक्स :0824 -2254175

[Handwritten signature and date 27/3/2020]

2. संयुक्त.म.प्रबंधक (अभि-वि), भाविप्रा, मंगलूरु अंतरराष्ट्रीय हवाई अड्डा, मंगलूरु, उपरोक्त कार्य के प्रभारी होंगे और सहायक महाप्रबंधक (अभि-वि), भाविप्रा, मंगलूरु अंतरराष्ट्रीय हवाई अड्डा प्रभारी इंजीनियर जो अधिकृत प्रतिनिधि होंगे | आपसे निवेदन है की आप संयुक्त.म.प्रबंधक (अभि-वि), भाविप्रा, मंगलूरु अंतरराष्ट्रीय हवाई अड्डा, के कार्यालय में दिनांक. **30.04.2020** को उपस्थित रहकर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण करने का कष्ट करें | ठेका करार का निष्पादन एक सौ रूपए मुल्य के गैर अदालती स्टैम्प पेपर पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा |

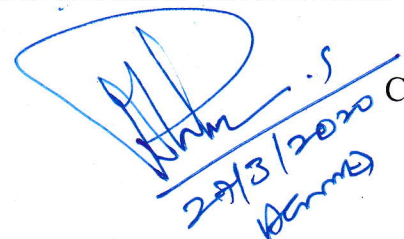
Jt. Gen.Manager Engg (E), AAI, Mangaluru International Airport, Mangaluru, shall be the Engineer –in-charge of the work and Asst. Gen. Manager (Engg-E), AAI, Mangaluru International Airport who is the authorized representative of Engineer – in – charge. You are requested to attend the office of Jt. Gen.Manager Engg (E), AAI, Mangaluru International Airport by **30.04.2020** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees one hundred only) and the cost of the stamp paper shall be borne by you.

3. आपके निविदा के साथ मिला बयाना राशि **रु. 62,737/- (रूपए बासठ हजार साथ सौ सैंतीस मात्र)** ठेका कागजातो के अनुसार सुरक्षा जमा के हिस्से के रूप में इलाज और परिवर्तित किया जाएगा धारा विशेष शर्त संख्या के अनुसार. 18, पृष्ठ नं. 170 पर | और कृपया करके इस पत्र के जारी करने के दस दिन के अन्दर, बयाना राशि **रु. 1,73,162/- (रूपए एक लाख तिहत्तर हजार एक सौ बासठ मात्र)** जमा करे, अन्यथा, विशेष शर्त धारा संख्या. 18, पृष्ठ नं.170 ठेका कागजातो के अनुसार वह राशि आपके रनिंग बिलसे काट ली जाएगी।

The earnest money amount of **Rs. 62,737/- (Rupees Sixty-Two Thousand Seven Thousand and Thirty-Seven Only)** received along with your tender will be treated and converted as part of security deposit as per Special Condition Clause No. 18 on page no.170 of the contract document. Please deposit **Rs. 1,73,162 /- (Rupees One Lakhs Seventy-Three Thousand One Hundred and Sixty-Two 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.18 on page no.170 of the contract document.

4. आपसे अनुरोध है कि आप ठेका श्रमिक(विनियम एवं उन्मुलन) अधिनियम 1970 के उपबन्धो का अनुपालन करें | साथ ही ठेका श्रमिक (विनियम एव उन्मुलन) केन्द्रीय नियमावली 1971 बाल श्रम (निषेध और नियमन) अधिनियम 1986,निर्माण श्रमिकों (रोजगार नियमन और सेवा की स्थिति) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 खंड संख्या. 18A से 20A तक पृष्ठ सं 71-79, जैसा कि निविदा के जीसीसी में निर्दिष्ट है और केंद्र और राज्य सरकारों के नियम के अनुसार |

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, 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 in Clause no. 18A to 20A on page no. 71-79 of GCC of tender and rules of Central and State Governments.

 28/3/2020
Hanna

Cont.....3

4. हवाई अड्डे को संचालित करने और बनाए रखने के अधिकारों को ए .ए. ऐ किसि तीसरे पार्टी को ट्रान्सफर करने का स्थिति में ,

अ. ये ये आई इस समझौता को भी उसी तीसरे पार्टी को ट्रान्सफर करने का कारण हो जायेगा, और उस दिन से उत्पन्न जो भी दायित्वों और कर्तव्यों से ये ये आई मुक्त हो जायेगा । पार्टियाँ प्रासंगिक तीसरे पार्टी के साथ आवश्यक दस्तावेजीकरण करेगा या पूर्वोक्त ट्रान्सफर के लिये आवश्यक समझौते करेगा ।

ब. ये ये आई और दूसरी पार्टी के बीच अनुबंध की अवधि काम पूरा होने तक या अनुबंध की समाप्ति या पीपीपी मोड के तहत तीसरे पक्ष को हवाई अड्डे के हस्तांतरण की तारीख जो भी पहले हो ।

In the event of AAI transfers the rights to operate and maintain the Airport to a third party(s):

a. AAI shall cause to transfer/novate this contract/agreement, in favour of such third party, on the principle that such transfer/novation would release AAI of all liabilities and obligations arising from and after the date of transfer/novation of such rights. The Parties, along with relevant third party(s) shall execute necessary documentation or put in place necessary agreements for the aforesaid transfer/novation.

b. The contract period between AAI and Second party is up to the completion of the work or termination of contract or the date of transfer of the airport to the third party under PPP mode whichever is earlier.

5. आपको यह भी निर्देश दिया जाता है कि आप कनिष्ठ सहायक महाप्रबंधक(इंजी-ई), भाविप्रा, मंगलूरु अंतरराष्ट्रीय हवाई अड्डा से अविलम्ब सम्पर्क करें जो आपको कार्यस्थान सौंपेंगे ।

You are also directed to contact Asst. General Manager Engg (E), AAI, Mangaluru International Airport immediately who will arrange to hand over the site to you.

6. कृपया यह भी नोट कर लें कि निविदा के अनुसार कार्य निष्पादन हेतु अनुगत समय **06 (छे) महीने** है जो कि कार्य 20.04.2020 को माना जायेगा ।

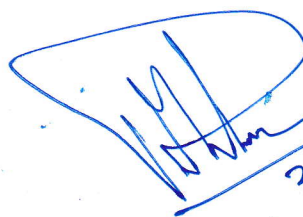
Please note that the time allowed for carrying out the work shall be **06 (Six) Months** and same will be reckoned from the 20.04.2020.

7. इस ठेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए कार्य के प्रभारी को संबंधित करेंगे ।

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

8. कृपया इस पत्र कि प्राप्ति सूचना दे तथा इसके साथ संलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें ।

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.


27/3/2020
Dames

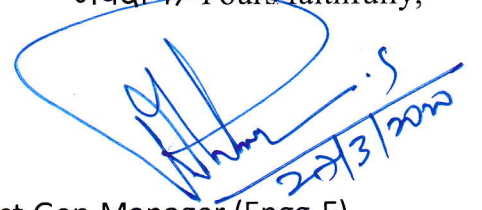
9. यदि हिन्दी और अंग्रेजी संस्करण के बीच अस्पष्टता हो गी तो अंग्रेजी संस्करण प्रबल होगा।

In case of ambiguity between Hindi & English version the English version prevails.

धन्यवाद/Thanking you,

संलग्न/**Encl:** Schedule 'A'

भवदीय/Yours faithfully,

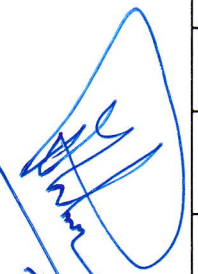


सहायक महाप्रबंधक(इंजी-ई) / Asst.Gen.Manager (Engg-E),
भाविप्रा, मंगलूरु अंतरराष्ट्रीय हवाई अड्डा / AAI, Mangaluru International Airport

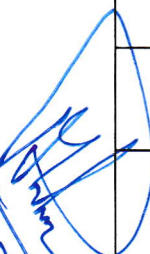
Schedule A

Name of work: Modification of existing threshold-cum-end light inset fittings at runway 06 beginning at Mangaluru International Airport.

S.No.	Description	Qty	Unit	Rate excluding GST	Amount
1	Supply of bi-directional inset type high intensity runway edge light fitting for runway edge lightings including one no amber filter/amber coloured prism at one side and white on other side as per ICAO aviation visual aids requirements complete with shallow base and matching body of the fitting, inner body and outer cover made of dia cast aluminium complete with 3 nos 105 Watts, 6.6 amps pre-focused reflector halogen lamp with connected heat resistant accessories (one no as spare), prism assembly, 'O' ring seal, pressure relief test plug, clear lenses and all standard hardware and accessories ready for site installation etc complete as required as per below requirement 1 nos suitable for installation on the left of the rwy centerline (refer technical specification)	1	Each	66000.00	66000.00
2	Supply of uni directional inset type high intensity runway threshold light fitting including green filters/green prisms for runway threshold lightings as per ICAO aviation visual aids requirements complete with shallow base and matching body of the fitting, inner body and outer cover made of dia cast aluminium complete with 4nos 105 Watts, 6.6 amps pre-focused reflector halogen lamp with connected heat resistant accessories (two lamp as spare), prism assembly, optical assembly, 'O' ring seal, pressure relief test plug, clear lenses and all standard hardware and accessories ready for site installation etc complete as required as below requirement 4 nos suitable for installation on the left of the rwy centerline (refer technical specification) and 4 Nos suitable for installation on the right of runway centerline (refer technical specification)	8	Each	60000.00	480000.00
3	Supply of bidirectional inset type high intensity runway threshold cum end light fitting including green filters/green coloured prisms for runway threshold lightings and red filters/red coloured prisms for runway end lightings as per ICAO aviation visual aids requirements complete with shallow base and matching body of the fitting, inner body and outer cover made of dia cast aluminium complete with 5 nos of 105 Watts, 6.6 amps pre-focused reflector halogen lamp with connected heat resistant accessories (two lamp as spare), prism assembly, optical assembly, 'O' ring seal, pressure relief test plug, clear lenses and all standard hardware and accessories ready for site installation etc complete as required as per below requirement: 6 nos suitable for installation on the left of the rwy centerline (refer technical specification) and 6 Nos suitable for installation on the right of runway centerline (refer technical specification)	12	Each	67000.00	804000.00


 S. S. Kumar
 22/13/2020
 (Name)

S.No.	Description	Qty	Unit	Rate excluding GST	Amount
4	Supply of following coloured filters/coloured prisms as per OEMs standard suitable to use as spares for the inset light fixture mentioned in item no 1 to 3 with all standard hardware and accessories ready for site installation etc complete as required. - Amber colour	1 ✓	Each	7850.00 ✓	7850.00 ✓
5	Supply of following coloured filters/coloured prisms as per OEMs standard suitable to use as spares for the inset light fixture mentioned in item no 1 to 3 with all standard hardware and accessories ready for site installation etc complete as required. - Red colour	3 ✓	Each	8690.00 ✓	26070.00 ✓
6	Supply of following coloured filters/coloured prisms as per OEMs standard suitable to use as spares for the inset light fixture mentioned in item no 1 to 3 with all standard hardware and accessories ready for site installation etc complete as required. - Green colour	5 ✓	Each	7500.00 ✓	37500.00 ✓
7	Installation of inset light fittings (mentioned in item no 1, 2 & 3) including fixing of inset light housing box in the concrete runway by core cutting the runway with suitable core cutting machine tool for the required size for fixing the inset housing box, alignment of the box to match the runway surface, fixing it using cement concrete / quick setting sealant compounds, supply and fixing of factory made two pin secondary plug assembly on one side of the secondary lead for connecting to isolation transformer and receptacle assembly on other side for connecting to inset light fitting, making all electrical connections, fixing the inset light fixture to the box, making good the runway to the original shape and strength, testing and commissioning of the whole inset fittings etc complete as required.	20 ✓	Each	11400.00 ✓	228000.00 ✓
8	Installation of inset light fittings (mentioned in item no 1, 2 & 3) including fixing of inset housing box on concrete runway on removed inset fitting location, alignment of box to match the runway surface, fixing it using cement concrete / quick setting sealant compounds, supply and fixing of factory made two pin secondary plug assembly on one side of the secondary lead for connecting to isolation transformer and receptacle assembly on other for connecting to inset light fitting, making all electrical connections, fixing the inset light fixture to the box, making good the runway to the original shape and strength, testing and commissioning of the whole inset fittings etc complete as required.	11 ✓	Each	11400.00 ✓	125400.00 ✓
9	Supply of 5 KV grade 50Hz series type isolating transformers following capacity and type of fittings/lamp lights encapsulated in polyester resin finally mould in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required. - 200 watts 20/6.6 amps suitable for 2 x 105W runway inset type threshold fittings	8 ✓	Each	4500.00 ✓	36000.00 ✓
10	Supply of 5 KV grade 50Hz series type isolating transformers following capacity and type of fittings/lamp lights encapsulated in polyester resin finally mould in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required. - 300 Watts 20/6.6 Amps suitable for 3 x 105W runway inset type threshold cum end fittings	12 ✓	Each	6100.00 ✓	73200.00 ✓


 25/12/2020
 25/12/2020
 25/12/2020

S.No.	Description	Qty	Unit	Rate excluding GST	Amount
11	Supply of 1.1 KV grade EPR insulated PCP/TPE sheathed secondary lead airfield lighting cable of size 2 x 2.5 Sq.mm having multistranded tinned copper conductor and colour coded core for connecting between isolation transformer and Inset light fitting complete as required.	606	Meter	95.00	57570.00
12	Supply of 5 KV grade plug and receptacle of type-I class "B" connector suitable for field attachment with 5 KV grade of 16 Sq.mm PVC insulated PVC sheathed single core copper conductor cable conforming to the relevant ISI specification etc. complete as required.	20	Each	525.00	10500.00
13	Making field connections by crimping 6/16.sq.mm plug and receptacle with the existing 6/16 sq.mm single core airfield cable including filling the gap with water sealant material, covering with HT insulation tape over which PVC tape is to be wound etc., complete as required.	20	Each	300.00	6000.00
14	Supplying and laying of 25mm size ISI marked B class GI pipe and accessories for taking secondary lead wire from inset fittings to the transformer housing box installed outside the runway shoulder by chase cutting the concrete runway with suitable chase cutting tools at a required depth to match the cable entry hole of inset housing box and width to accommodate the pipe including smooth bending of pipe as per requirement, chipping the slot, alignment and fixing the pipe including connecting to inset light shallow box using coupling/connectors etc as per requirement, closing the slot with cement concrete and other quick setting sealant materials to match the existing runway level, removal of the debris from the site, etc complete as required.	430	Meter	300.00	129000.00
15	Supplying and laying of 25mm size ISI marked B class GI pipe and accessories including excavation of earth at suitable depth and width to accommodate the 25mm GI pipe coming from the inset light fixture, connecting the other end to the isolation transformer box provided for inset light, removing of existing GI pipes if any, refilling the excavated portion after fixing the pipe, ramming and leveling of excavated area etc complete as required.	100	Meter	350.00	35000.00
16	Removal of inset light fittings including shallow housing box from different locations in runway/operational area including dismantling of all round concrete foundation of housing box, refilling of excavated concrete runway portion with cement concrete and or suitable quick setting sealant upto existing level of runway and matching with runway surface, making good the runway to the original shape and strength, removal of all the debris from site, transportation of whole fittings to AAI store, stacking etc. as per the direction of Engineer in Charge complete as required.	20	Each	3500.00	70000.00


 S. S. Kumar
 27/3/2020

S.No.	Description	Qty	Unit	Rate excluding GST	Amount
17	Removal of inset light fittings including shallow housing box from different locations in runway/taxiway/edge area including dismantling of all round concrete foundation of housing box, removal of all the debris from site, transportation of fittings to AAI store, stacking etc. as per the direction of Engineer in Charge complete as required.	11 ✓	Each	3500.00 ✓	38500.00 ✓
18	Removal of old isolation transformer housing boxes from different locations in runway/taxiway/edge area after dismantling of all round concrete foundation, refilling of excavated concrete runway portion with cement concrete and or suitable quick setting sealant upto existing level of runway and matching with runway surface, making good the runway to the original shape and strength, removal of all the debris from site, transportation of fittings to AAI store, stacking etc. as per the direction of Engineer in Charge complete as required.	2 ✓	Each	2400.00 ✓	4800.00 ✓
19	Removal of old isolation transformer housing boxes from different locations in runway/taxiway/edge area including dismantling all round concrete, removal of housing box after disconnecting and removing all electrical connections, cutting the housing box up to the required depth to accommodate collars, repositioning the housing box and collar in the earlier position, alignment so that top of collars including refilling of whole excavated concrete and or quick setting sealant smoothening the top of collar to match with the runway surface, making good the runway to the original shape and strength, making all electrical connections, testing and commissioning of electrical circuit, removal of all the debris from site, as per the direction of Engineer in Charge complete as required.	3 ✓	Each	2400.00 ✓	7200.00 ✓
20	Laying of one number PVC/ XLPE insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size in the existing HDPE/RCC/HUME/ STONEWARE/METAL pipe as required. Upto 35 sqmm	530 ✓	Meters	50.00 ✓	26500.00 ✓
21	Numbering / nomenclature using stencil the existing runway / taxiway / turning pad / isolation bay / apron edge light fitting after providing a round back ground with runway yellow enamel paint and stenciling with black enamel paint on it etc. completed as required as per direction of Engineer-in-Charge	620 ✓	Nos	145.00 ✓	89900.00 ✓
	Total excluding GST				2358990.00 ✓
	Say				2358990.00 ✓

(Rupees Twenty Three Lakhs Fifty Eight Thousand Nine Hundred and Ninety Only) ✓

GST will be paid as per actual on receipt of original GST invoice at the time of making payments ✓

Asst. Gen. Manager (Engg-E)
AAI, Mangaluru Intl. Airport

