



भारतीय विमानपत्तनप्राधिकरण
Airports Authority of India
जबलपुरविमानतल, जबलपुर
Jabalpur Airport, Jabalpur

सं.सं- भाविप्रा/प.क्षे/जेबीपी/संयु.मप्र(अभि.वि)प्रोजेक्ट/सीडब्लू/काआ.-01/2021-22/136
Ref. No.- AAI/WR/JBP/Jt. GM(E-E)/PROJECT/CW/WO-01/2021-22

दिनांक: 19.07.2021
Date : 19.07.2021

Work Award letter/कार्यादेश पत्र

सेवा में,
To,

मेसर्स अमा प्राइवेट लिमिटेड,
कनाडा बिल्डिंग, 224
डॉ. डी.एन. रोड, फोर्ट
मुंबई-400001(महाराष्ट्र)
फोन नंबर :- 022-22075271
फैक्स नंबर :- 022-22078910

M/s Ama Pvt. Ltd.
Canada Building , 224,
Dr. D.N. Road, Fort ,
Mumbai- 400001 (Maharashtra)
Ph.No. :- 022-22075271
Fax No. :- 022 22078910

कार्य का नाम :- अप-ग्रेडेशन ऑफ़ जबलपुर एयरपोर्ट टू मेक इट सूटेबल फॉर ऑपरेशन ऑफ़ ए बी 320 टाइप एयरक्राफ्ट
-प्रोवाईडिंग सीक्वेंसिअल फ्लैसिंग लाइट्स टू कैट-I एप्रोच लाइट्स.

Name of work :Upgradation of Jabalpur Airport to makeit suitable for operation of AB-320 type Aircraft - Providing Sequence Flashing Lights to CAT-I Approach Lights.

सन्दर्भ:-आपका दिनांक 25.05.2021 को खोली गया ई-टेंडर आई डी क्रं 2021_AAI_71082_1.
Ref No.:- Your e-tender ID No 2021_AAI_71082_1 opened on 25.05.2021.

महोदय / Sir,

1. उपर उल्लेखित कार्य हेतु आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकार की जाती है। आपके द्वारा उद्धृत आइटम रेटों पर आपकी निविदा राशि कुल रूपये 1,40,75,004.32(रूपये एक करोड़ चालीस लाख पचहत्तर हजार चार और बत्तीस पैसे मात्र) जी.एस.टी. रहित है, जो कि निविदा की औचित्य लागत रूपये 1,58,71,618/-(रूपये एक करोड़ अठावन लाख इकहत्तर हजार छः सौ अठारह मात्र) जी.एस.टी. रहित से 11.32% कम है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rate quoted by you totalling to Rs. 1,40,75,004.32 (**Rs.One Crore Forty Lacs Seventy Five Thousand Four & Thirty Two Paise Only**) Excluding GST, which is **11.32%** below the justified cost of Rs. 1,58,71,618/-(**Rupees One Crore Fifty Eight Lacs Seventy One Thousand Six Hundred & Eighteen Only**) Excluding GST put to tender.

-1-

P.T.O

2. सयुं.महाप्रबंधक (अभि.-वि)-,परियोजना भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है, कि आप संबिदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक **28.07.2021** तक सयुं. महाप्रबंधक (अभि.-वि)- परियोजना. भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005 के कार्यालय में अपना मान्यता प्राप्त प्रतिनिधि मुख्तारी अधिकार के साथ उपस्थित करें। ठेके का करार नामा **100/-** रु के नोनज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जायेगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।

Jt.G.M. (E-E)-Project , Airports Authority of India, Jabalpur Airport, Jabalpur shall be Engineer-In-Charge of the work. You are requested to depute the your accredited representative, empowered to sign the contract agreement on your behalf to attend the office of Jt. Gen. Manager (Engg.-E), Jabalpur Airport. Jabalpur by **28.07.2021** to sign and complete the 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.

कृपया इस पत्र के जारी होने के 10 दिनों के भीतर सिक्योरिटी डिपोजिट के लिए रु 14,07,500/- (रूपये चौदह लाख सात हजार पांच सौ मात्र) जमा कर दें, अन्यथा निविदा दस्तावेज के पृष्ठ जीसीसी की शर्त खण्ड 1 ए पृष्ठ संख्या 16 के अनुसार, इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।

Please deposit Rs.14,07,500.00 (Rs.Fouteen Lacs Seven Thousand Five Hundred Only)toward security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted from your running bill as per GCC clause 1A of Page No. 16 of tender document.

4. आपसे निवेदन हैं, कि आप केंद्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केन्द्रीय नियम तथा उन्मुलन 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 of 1970 and Contract Labour (Regulation and Abolition) Center rules 1971 and minimum wages act & rules there of Central and State Government.

5. आपका निर्देश दिया जाता है, कि आप तुरंत सहा. महाप्रबंधक (अभि.-वि) -ओ.एंड.एम. भा.वि.प्रा जबलपुर, से मिले, वह आपको साइट सौंपने की व्यवस्था करेंगे।

Your are also directed to contact AGM (Engg-E) – O&M, AAI. Jabalpur Airport immediately, who will arrange to hand over the site to you.

6. कृपया नोट कर ले कि कार्य करने का अनुमानित समय 09 (नौ) माह की है, जो कि इस पत्र के जारी होने के 10 वे दिन से माना जायेगा।

Please note that the time allowed for carrying out the work shall be 09 (Nine) Months, which Shall be from the 10th day of issuing of this letter.

7. यह पत्र इस करार का हिस्सा होगा।

This letter under reference shall form part of agreement

8. इस ठेके के संबंध में आगे का कोई भी पत्राचार संयु. महाप्रबंधक (अभि.वि.)-परियोजना, भाविप्रा, जबलपुर विमानतल, जबलपुर के पते पर किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Jt. General Manager (Engg.-E)- Project, AAI, Jabalpur Airport, Jabalpur (M.P.).

9. उपरोक्त कार्य के लिए त्रुटि दायित्व की अवधि, निविदा दस्तावेज के विशेष अनुबंध की शर्तों के जीसीसी की शर्त खण्ड शेड्यूल 'ई' पृष्ठ संख्या 128 के अनुसार 24 माह की होगी, जो कार्य की प्रमाणित समाप्ति तिथि के दिन से गिनी जाएगी।

The Defect Liability Period for the above mentioned work shall be 24 Months from certified date of completion for work as per GCC Schedule 'E' P.No.128 of tender document.

10. यदि कोई विसंगति पायी जाती है तो अंग्रेजी संस्करण को सही माना जायेगा।

In case any discrepancy is found then English version will be taken as correct. .

11. कृपया इस पत्र की पावती भेजे।

Please acknowledge the receipt of this letter.

Encl:- Schedule of Work (04 Pages)

भवदीय/Yours faithfully



(K. Binu Jacob)

संयु. महाप्रबंधक (अभि.वि.)-प्रोजेक्ट- जबलपुर एयरपोर्ट
Jt. General Manager (E.-E)-Project, Jabalpur Airport

अध्यक्ष के लिए एवं तरफ से
For and Behalf of the Chairman
भारतीय विमानपत्तन प्राधिकरण,
Airports Authority of India
जबलपुर विमानतल, जबलपुर
Jabalpur Airport, Jabalpur

प्रतिलिपि:-मूलप्रति पर नहीं /Copy to :- N.O.O.

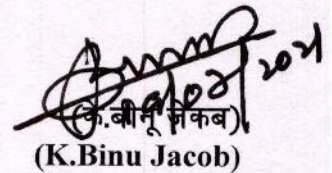
आंतरिक वितरण/ Internal Distribution

1. कार्यपालक निदेशक (अभि.) प.क्षेत्र, भारतीय विमानपत्तन प्राधिकरण, राजीव गांधी भवन, नई दिल्ली-110003
2. क्षेत्रीय कार्यपालक निदेशक, भारतीय विमानपत्तन प्राधिकरण, एकीकृत प्रचालन कार्यालय भवन, विलेपार्ले (पूर्व) मुंबई -400099
3. महाप्रबंधक(अभि.)-परियोजना, भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
4. महाप्रबंधक (अभि.-वि.), प.क्षे., भारतीय विमानपत्तन प्राधिकरण, राजीव गांधी भवन, नई दिल्ली-110003
5. संयु. महाप्रबंधक(अभि.-सि.), भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
6. विमानपत्तन निदेशक, भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
7. सहा-महाप्रबंधक (अभि.-वि)- ओ.एंड एम., भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
8. कनिष्ठ कार्यपालक(अभि.-वि), भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
9. कनिष्ठ कार्यपालक (वित्त), भारतीय विमानपत्तन प्राधिकरण, जबलपुर विमानतल, जबलपुर-482005
10. करारनामा प्रति
11. संबंधित फाईल।

बाह्य वितरण /External Distribution

1. क्षेत्रीय श्रमायुक्त (केन्द), ब्लाकनं. 10 सिविक सेंटर मढाताल, जबलपुर (म.प्र.)।
2. क्षेत्रीय प्रोविडेंट फंड आयुक्त इपीएफ सब रीजनल ऑफिस, कृषि उपज मंडी एरिया, विजय नगर जबलपुर (म.प्र.)।
3. शाखाप्रबंधक, ईएसआईसी कार्यालय, जबलपुररोड, कांचघर कॉलोनी, जबलपुर (म.प्र.) - 482002।

भवदीय/Yours faithfully



(K.Binu Jacob)

संयु. महाप्रबंधक (अभि.वि)-प्रोजेक्ट- जबलपुर एयरपोर्ट
Jt. General Manager (E.-E)-Project, Jabalpur Airport
अध्यक्ष के लिए एवं तरफ से
For and Behalf of the Chairman
भारतीय विमानपत्तन प्राधिकरण,
Airports Authority of India
जबलपुर विमानतल, जबलपुर
Jabalpur Airport, Jabalpur



**AIRPORT AUTHORITY OF INDIA
ELECTRICAL ENGINEERING WING
JABALPUR AIRPORT, JABALPUR**

Name of Work:- Upgradation of Jabalpur Airport to make it suitable for operation of AB-320 type Aircraft - Providing Sequence Flashing Lights to CAT-I Approach Lights.

SCHEDULE OF WORK

Sl. No	Description of Work / Item(s)	Qty	Units	Rate	Amount
1	FMCU-Supply of FAA (FAA-E- 2682 B & FAA AC150/5345-51-L849E) /ICAO /CAR complied Master Control Unit capable of controlling and Monitoring 30 Nos LED sequenced flashing approach light units with two flashes per second as per the following facilities / functions with all accessories. Controlling and Monitoring the flashing system from both local and remote system. Regulating the flashing system parameters such as brightness level of fixtures. Synchronising all the flasher units to have desired flashing system. Receiving diagnostic information such as lamp status, faults etc from flasher units. Input Power- 230 Volt, 50 Hz, 3 wire AC supply. Out Power - 230 Volt, 50Hz, 3 wire AC supply. IP class - IP43 Colour- Painted texture RAL 70350/FAA ORNGE Communication between master control unit and Flasher units - Power line communications through echelon Lonworks protocol Protections Over current/Primary fuses Over current/Primary fuses Input voltage- Delay and 2 levels warning and alarm with tripping Input frequency - delay and 2 levels warning and alarm with tripping Temperature - delay and 2 levels warning and alarm with tripping Surge arrestor Earth fault- Tripping Environment- 0 °c to (+) 55 °c Humidity -0 - 100% (Non condensing)	2.00	Each	371363.40	742726.80
2	Individual Control Unit / Flash Field Unit Supply of FAA/ICAO/CAR complied individual Control Unit suitable for LED sequence flashing approach light with two flashes per second having the following facilities / functions with all accessories. Input power (From Master Control unit) - 230 volt, 50Hz, 3 wire AC supply. Environment Temperature - (-40) °c to (+) 55 °c IP Class- IP 65 Colour- Aviation yellow RAL 1006 /FAA ORNGE Over current/Primary fuses Input voltage- Delay and 2 levels warning and alarm with tripping Input frequency - delay and 2 levels warning and alarm with tripping Temperature - delay and 2 levels warning and alarm with tripping Surge arrestor Earth fault- Tripping Environment- 0 °c to (+) 55 °c Humidity -0 - 100% (Non condensing)	36.00	Each	84593.16	3045353.76

3	Elevated Flashing Light Fixture Supply of FAA/ICAO/CAR Complied elevated unidirectional flash light fixture suitable for use with LED modules with two flashes per second and capable of control monitoring and regulating with Master control unit as per item No. 1 above and field flash unit as per item no. 2 above required and having the following facilities / functions with all accessories. Input power (From Individual Control unit/ Flash Field unit) - Environment Temperature - (-40) °c to (+) 55 °c IP Class- IP 67 Colour- Aviation yellow RAL 1006/FAA ORANGE Over current/ Primary fuses Input voltage- Delay and 2 levels warning and alarm with tripping Input frequency - delay and 2 levels warning and alarm with tripping Temperature - delay and 2 levels warning and alarm with tripping Surge arrestor Earth fault- Tripping Environment- 0 °c to (+) 55 °c Humidity -0 - 100% (Non condensing)	36.00	Each	79193.16	2850953.76
4	Supply of LED module suitable for elevated flash light fixture as per Specifications complete as required	5.00	Each	17604.00	88020.00
5	Installation of Individual control unit on ground on a suitable dia FRP pole including providing necessary pole breakable coupling, concreting etc as required.	30.00	Job	1000.00	30000.00
6	Installation of Elevated Flash light fixture on ground on a suitable dia FRP pole including providing necessary pole breakable coupling, concreting etc as required.	2.00	Job	25000.00	50000.00
7	Installation of Elevated Flashlight fixture on existing frangible & tiltable type base mounted/central hinge/counter balance type pole/mast including providing necessary brackets, supports etc. as required	28.00	Job	1500.00	42000.00
8	Installation of Master Control unit on existing Wall with all accessories as required.	2.00	Job	2500.00	5000.00
9	Commissioning of sequence flashing approach lighting system consists of Master Control unit., 30Nos of individual control units & Elevated Flashing light fixtures including necessary interconnection of individual control unit & flash unit up to a distance of 3 meter, providing necessary FRP junction boxes for termination of power cable near the individual control units, interconnection to individual control unit with suitable size cable etc as required (Power cable from Master Control/unit to first field unit, Field unit to field unit and interconnection between field unit & flash light fixture beyond three meters shall be provided separately). (Laying cost beyond 3 Meter should be inclusive in quoted rate and only cable will provided by AAI)	1.00	Job	25000.00	25000.00
10	Supplying following size XLPE insulated and PVC sheathed armoured copper conductor cable of 1.1 confirming to IS 7098(PART I) KV grade as required. Size 4X50 SQMM	3300.00	Mtr	1850.00	6105000.00
11	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Above 35 sq. mm and upto 95 sq. mm	2750.00	mtr	200.00	550000.00
12	Laying of one number XLPE insulated & PVC sheathed armored copper conductor power cable of grade 1.1 KV of following size in the existing RCC/HUME/STONEWARE / METAL/ HDPE pipe etc. as required. Above 35 sq. mm and upto 95 sq. mm	150.00	mtr	12.00	1800.00

13	Excavation of the trench in hard rock not exceeding 1.5 Mtrs. in width, and lift up to 1.5 Mtrs. including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 Mtrs.	50.00	CUM	600.00	30000.00
14	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205 Part 24 (erstwhile IS 14930, Part II) complete with fitting and cutting, jointing etc. in the existing trench, complete as required. 90 mm dia (OD-90 mm & ID-76 mm nominal)	150.00	Mtr	165.00	24750.00
15	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. Above 35 sq. mm and upto 95 sq. mm	20.00	Mtr	20.00	400.00
16	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE Copper conductor cable of 1.1 KV grade as required. 4 X 50 sq. mm	6.00	Each	2500.00	15000.00
17	Supply of 4 x 6 sq.mm Size copper conductor PVC insulated and PVC sheathed cable from Individual Control Unit / Flash Field Unit to the fixture with MS/flexible MS CONDUIT (FOR CABLE PROTECTION)t as per site requirement, connections at both ends, etc. complete as required (From Jn box to FFU)	300.00	mtr	290.00	87000.00
18	Supply of 4 x 2.5 Sq. mm Size copper conductor PVC insulated and PVC sheathed cable from Individual Control Unit / Flash Field Unit to the fixture with MS/flexible MS CONDUIT (FOR CABLE PROTECTION)t as per site requirement, connections at both ends, etc. complete as required. (FFU to flash flight fixture)	600.00	Mtr	140.00	84000.00
19	Laying of 35 SQMM size one number XLPE insulated and PVC sheathed, armored copper conductor power cable cable of 1.1 KV grade of following size in the existing cable duct / masonry trench etc. as required. (Upto 35 sq. mm)	50.00	mtr	20.00	1000.00
20	Laying of one number XLPE insulated & PVC sheathed armored copper conductor power cable of grade 1.1 KV of following size in the existing RCC/HUME/STONEWARE / METAL/ HDPE pipe etc. as required. (Upto 35 sq. mm)	50.00	mtr	20.00	1000.00
21	Supplying and making indoor end termination with brass double compression gland and copper lugs for 4 x 50 sq.mm size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.	64.00	Each	1000.00	64000.00
22	Supplying and making indoor end termination with brass double compression gland and copper lugs for 4 x 6 sq.mm size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.	60.00	each	750.00	45000.00
23	Supplying and making indoor end termination with brass double compression gland and copper lugs for 4 x 2.5 sq.mm size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.	60.00	each	750.00	45000.00

24	Providing maintenance free earthing using copper bonded rod of 25 mm dia and 3 meter length and earth enhancing compound conferring to IEC 62561 1-7 including necessary excavation, inspection chamber with cover, copper strip etc as required as per NBC 2016 1. Copper/copper bonded steel rod size 40 mm dia & 4 mtr long - 01No 2. Earth enhancement material -100 Kg [conforming to IEC 62561-7:2011 Lightning protection system components (LPSC) Part 7: Requirements for earthing enhancing compounds. 3. Inspection chamber (0.525 mtr X 0.525 mtr) made of brick , sand & cement including pit cover. 4. M10 x40 mm lon SS bolts and nuts- 06 no. 5 Copper strip 50 x 6 mm -2 ft long with 6 nos suitable dia holes for termination. 6 Exothermic welding for connecting bonded rod to 50mm X 6mm terminating cu strip 7 inspection chamber CI cover-1 no	2.00	Job	6000.00	12000.00
25	Providing and fixing 4 mm dia copper wire on surface or in recess for loop earthing along with existing cable as required.	800.00	Mtr	90.00	72000.00
26	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required	200.00	Mtr	200.00	40000.00
27	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	30.00	Each	600.00	18000.00
				Total	Rs 140,75,004.32 (Ex. GST.)

(Rs.One Crore Forty Lacs Seventy Five Thousand Four & Thirty Two Paise Only) Excluding GST


(K. Binu Jacob)

**Jt. General Manager (E.-E)-Project ,
For and Behalf of the Chairman
Airports Authority of India
Jabalpur Airport, Jabalpur**

(4)

Signature Not Verified

Digitally signed by Pankaj Kumar Tiwari
Date: 2021.09.28 11:16:20 IST
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