

संदर्भ सं. भाविप्रा/बीओ/उप.महा.प्र.(ईजी-विधुत)/ATC\_ALCMS/डब्ल्यू-15/2022-23/382  
Ref. No.: AAI/BO/DGM(E-E)/ATC\_ALCMS/W-15/2022-23

दिनांक: 25.11.2022  
DATE: 25.11.2022

**By Speed Post / By E-mail**

सेवा में,  
मेसर्स नासू सिस्टम्स  
-503-ए, अमरत, जयवंत सावंत रोड,  
दहिसर (वेस्ट)  
मुंबई 400068 -

To,  
M/s NASU Systems  
503-A, Amrat, Jaywant Swant Road,  
Dahisar (West),  
Mumbai - 400068

**कार्य का नाम :** वडोदरा हवाई अड्डे पर एटीसी टॉवर कम तकनीकी ब्लॉक का निर्माण (उपशीर्ष : वडोदरा हवाई अड्डे पर एस.आई.टी.सी ऑफ एयर फ़ील्ड लाइटिंग कंट्रोल एंड मोनिटरिंग सिस्टम (ए.एल.सी.एम.एस ) जिसमें 05 साल की ए.आई.सी.एम.सी सामील है।)

**Name of Work :** Construction of ATC Tower Cum Technical Block at Civil Aerodrome Vadodara.  
SH: SITC of Airfield Lighting Control and Monitoring System (ALCMS) including ALCMC of 05 years at Vadodara Airport.)

Tender ID : 2022\_AAI\_132801\_1

महोदय,

- कृपया उपरोक्त टेंडर आई.डी. से संबंधित आपके टेंडर का अवलोकन करें।
- Kindly refer your tender submission i.r.o above tender I.D.
- उल्लिखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है। आपके द्वारा बताए आइटम मूल्यों पर आपका टेंडर कुल रु. **58,05,421/-** (रुपये अठ्ठावन लाख पाँच हजार चार सौ इक्कीस मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी अनुमानित राशि / न्योचित राशि रु. **55,50,827 /-** (जी.एस.टी रहित) से 4.59 % ऊपर है। वास्तविक के अनुसार **GST** का भुगतान किया जाएगा। भारतीय विमानपत्तन प्राधिकरण का गुजरात राज्य के लिए **GST** संख्या : **24AAACA6412D1ZE** 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. 58,05,421/- (Rupees Fifty Eight Lakh Five Thousand Four Hundred Twenty One only) (Excluding GST)**, which is **4.59 % above** than the estimated cost / Justified cost **Rs. 55,50,827/- (Excluding GST)**. **GST shall be paid as per actual**. The GST No. of Airports Authority of India for Gujarat state is 24AAACA6412D1ZE.
- उपमहाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने तथा उसे पूरा करने के लिए दिनांक **08.12.2022** तक उपमहाप्रबंधक (अभि-विधुत) भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹ 100/- के नॉनजुडीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।

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3. Dy.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Dy.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara by **08.12.2022** to sign and complete the contract agreement. The contract agreement shall be executed on a non - judicial stamp paper of value ₹ 100/- and the cost of the stamp paper shall be borne by you.
4. कृपया इस पत्र के जारी होने के 15 दिनों के भीतर निविदा की सामान्य शर्तों पृष्ठ संख्या GCC-129 के Schedule -E, para (iii) के अनुसार सिक्योरिटी डिपॉजिट के लिए राशि ₹ 5,80,542/- (रुपये पाँच लाख अस्सी हजार पाँच सौ बयालीस मात्र) केवल जमा कर दे, अन्यथा इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।
4. Please deposit ₹ **5,80,542/- (Rupee Five Lakh Eighty Thousand Five Hundred Fourty Two only)** towards security deposit as per Schedule -E para (iii) on page GCC-129 of tender document within 15 days from the date of issue of this letter, failing which the same will be deducted from your running bill.
5. आपसे निवेदन है कि आप केन्द्रीय ओर राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा उन्मूलन तथा 1971 के कन्द्रीय नियम तथा उन्मूलन एवं न्यूनतम वेतन अधिनियम ओर नियम के प्रावधानों का अनुपालन करें।
5. You are requested to comply with the provision of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation and abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.
6. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा से संपर्क करे, जोकि आपको साइट सोपने कि व्यवस्था करेंगे। कृपया नोट करले कि काम करने का अनुमत समय SITC कार्य के लिए **02 महीने (दो महीने)** और AICMC कार्य के लिए **05 वर्ष (पाँच वर्ष)** (01 वर्ष DLP के पूरा होने के बाद) है जोकि दिनांक **01.12.2022** के दिन से गिना जायेगा।
6. You are also directed to contact AGM (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is **02 Months (Two Months)** for SITC work & **05 years (Five Years)** for AICMC work (After completion of 01 year DLP) which shall be reckoned from the **Dt.01.12.2022**.
7. ठेकेदार द्वारा किसी सुरक्षा विनियमों का उलंघन करते पाये जाने पर उसे ब्लैक लिस्टेड कर दिया जाएगा और अन्य कानूनी कार्यवाही की जाएगी।
7. If Contractor is found to violate any of security regulations, he shall be black listed and will be subjected to other legal proceedings.



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8. इस ठेके के संबंध में आगे का कोई भी पत्राचार उपमहाप्रबंधक (ईजी-विधुत), भाविप्रा, वडोदरा एयरपोर्ट, वडोदरा -390022 के पते पर किया जाए।
8. Any further correspondences in connection with the contract should normally be addressed to the Dy. Gen.Manager (Engg-E), AAI, Vadodara Airport, Vadodara -390022.
9. उपरोक्त कार्य के लिए त्रुटि दायित्व की अवधि 12 माह होगी जो कार्य के प्रमाणित समाप्ति के दिन से गिनी जाएगी।
9. The defects liability period for the above-mentioned work shall be 12 months from the certified date of completion work.
10. उपरोक्त हिन्दी एवं अंग्रेजी के पाठ्य में मतभेद होने पर अंग्रेजी लिपि में लिखित पाठ्य मान्य होगा।
10. In case of discrepancy in Hindi and English text then English text will be taken as correct.
11. कृपया पावती भेजे।
11. Please acknowledge the receipts.

**संलग्नक: Schedule of Quantity**

धन्यवाद / Thanking you,

भवदीप / Yours Faithfully,

- Sd -

(आर. बी एस कुशवाहा)

(R.B S Kushwaha)

उपमहाप्रबंधक (अभि.-विधुत)

Dy. General Manager (Engg-E)

कृते तथा ओर से अध्यक्ष

For and on behalf of chairman,

भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट.

Airports Authority of India, Vadodara Airport.

**प्रतिलिपि/ Copy To : (NOO)**

1. महाप्रबंधक (अभि), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.

General Manager (Engg), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.

2. संयुक्त महाप्रबंधक(सतकर्ता), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.

Jt.Gen.Manager (Vigilance), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099..

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3. संयुक्त महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.  
Jt.Gen.Manager (Engg.-Elect), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.
4. क्षेत्रीय श्रम आयुक्त, चंद्रप्रभा फ्लैट नंबर-2, कृष्णा नगर सोसाइटी, मोती बाग पैलेस के सामने, वडोदरा - 390001.  
Regional Labour Commissioner, Chandraprabha Flat No.2, Krishna Nagar Society, Opp. Moti Baugh Palace, Vadodara - 390 001.
5. क्षेत्रीय भविष्य निधि आयुक्त, भविष्य निधि भवन, व्ही-वार्ड .सी.एम.6 कार्यालय के पीछे, अकोटा स्टेडियम रोड, अकोटा, वडोदरा -390020  
Regional P.F Commissioner(I), Bhavishyanidhi Bhawan, Behind VMC Ward-6 Office, Akota Stadium Road, Akota, Vadodara - 390020.

आंतरिक विवरण / INTERNAL: (By E-mail)

1. विमानपत्तन निदेशक, भाविप्रा, नागरविमान क्षेत्र, वडोदरा/Airport Director, Airports Authority of India, CA, Vadodara- सूचनार्थ ।
2. उपमहाप्रबंधक (अभि-सिविल)/ DGM(E-C), Airports Authority of India, CA, Vadodara.
3. सहायक महाप्रबंधक (वित्त) / AGM (Fin), Airports Authority of India, CA, Vadodara.
4. सहायक महाप्रबंधक (अभि-विद्युत)/ AGM(E-E), Airports Authority of India, CA, Vadodara- कार्य निष्पादन हेतु।
5. सहायक महाप्रबंधक (एयर साइड प्रबंधन)/ AGM(ASM), Airports Authority of India, CA, Vadodara.
6. कार्य फाइल / Work File
7. करारनामा फाइल / Agreement File.
8. हिन्दीगार्ड फाइल / Hindi Guard File.

  
25/11/2021

(आर. बी एस कुशवाहा)  
(R.B S Kushwaha)

उपमहाप्रबंधक (अभि.-विद्युत)

Dy. General Manager (Engg-E)

कृते तथा ओर से अध्यक्ष

For and on behalf of chairman,  
भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट.  
Airports Authority of India, Vadodara Airport.

**SCHEDULE OF QUANTITY**

**Name of work :- Construction of ATC Tower Cum Technical Block at Civil Aerodrome Vadodara.  
SH:- SITC of Airfield Lighting Control and Monitoring System (ALCMS) including ALCMS of Five years at Vadodara Airport.**

| Sl. No. | Description of Work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qty     | Unit | Rate (Rs.) | Amount (Rs.)      |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|------------|-------------------|
|         | <b>SH-I :- SITC of ALCMS (Part -A)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |      |            |                   |
| 1.00    | Design, supply, installation, testing & commissioning of Airfield Lighting Control & Monitoring System (ALCMS), Type 'L 890 BB' to the requirements of FAA Advisory Circular No. AC 150/5345 - 56B (Current edition) and additional circuits/mechanisms/ interfaces for control & monitoring of constant current regulators (CCRs) & fixed circuits such as Landing - H, Wind cones, Apron High Mast flood lights Beacon lights etc., as mentioned in Annexure-1, network diagram, maintaining data and event log records, suitable interface to make them compatible with ALCMS, Data & Power Cabling, Earthing etc., including PLC and I/O modules, all hardwares and softwares, licenses & other items as required for successful operation of the ALCMS system etc. to ensure failsafe, expandable and future proof system in line with the scope of work, details of equipments, equipments specification, performance criteria etc., complete as per site requirement and tender specifications. Two vault processor, Two touch screen, Two monitor(one for tower and one for CCR room) complete with industrial grade computer & UPS should be provided for running in parallel for redundancy in operation etc complete as per site requirement and tender specifications. | 1.00    | Job  | 4320000.00 | 4320000.00        |
| 2.00    | Supply and laying of Single mode 6 core, armoured Optic Fibre Cable (OFC) (ISI marked) conforming to ITU-T G.652 and IEC- 60794 with up to date amendments, etc., complete as required. through existing HDPE pipe of 50 mm dia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2700.00 | Mtr  | 99.00      | 267300.00         |
| 3.00    | Supply of 50mm dia.(O.D.) HDPE (High Density Polyethylene) duct of grade PE80, PN6 ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984:1995 with latest amendments complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2700.00 | Mtr  | 81.00      | 218700.00         |
| 4.00    | Laying of 50mm HDPE pipe along with all accessories like socket, bend, couplers etc. in the existing existing RCC/HUME/metal pipe/ masonry duct/ trench complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2200.00 | Mtr  | 50.00      | 110000.00         |
| 5.00    | Laying of 50mm HDPE pipe along with all accessories like socket, couplers etc. on wall surface/cable tray clamped with 1mm thick saddle at required intervals as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 500.00  | Mtr  | 50.00      | 25000.00          |
| 6.00    | Supply and fixing of Single mode 6 core, armoured Optic Fibre Cable (OFC) (ISI marked) conforming to ITU-T G.652 and IEC- 60794 with up to date amendments, etc., as loop inside the vault processors/Open duct/ surface including providing cable tie/ mounting clamps etc., complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100.00  | Mtr  | 25.00      | 2500.00           |
| 7.00    | Supply of 8c x 1.5 sq.mm. of XPLE insulated PVC sheathed armoured copper conductor control cable of 1.1KV grade conforming to IS 7098 (Part-I) with up to date amendment etc. complete as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 300.00  | Mtr  | 414.00     | 124200.00         |
| 8.00    | Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.<br>Upto 35 sq. mm (clamped with 1mm thick saddle)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 300.00  | Mtr  | 72.00      | 21600.00          |
|         | <b>Total of SH-I :- SITC of ALCMS (Part -A)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |      |            | <b>5089300.00</b> |



| Sl. No. | Description of Work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qty  | Unit | Rate (Rs.) | Amount (Rs.)      |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------------|-------------------|
|         | <b>SH-II :- AICMC of ALCMS (Part -B)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |      |            |                   |
| 9.00    | All inclusive comprehensive maintenance of complete ALCMS & other related hardwares and softwares (pertaining to item no.1 only) including all spares and consumables, providing full support during breakdown & trouble shooting, programming, carrying out quarterly routine maintenance checks, preventive and breakdown maintenance etc. as required as per good engineering practices, recommendations of the respective equipment manufacturers and instructions of engineer- in-charge for maintaining the systems. This includes keeping the system in acceptable functional and serviceable state etc. as specified including cost of all spare parts. |      |      |            |                   |
| 9.01    | First Year (after Completion of one year DLP) (3% of Item no.1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.00 | Job  | 129600.00  | 129600.00         |
| 9.02    | Second Year (after Completion of one year DLP) (5% escalation on First year cost of Item no.9.01)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00 | Job  | 136080.00  | 136080.00         |
| 9.03    | Third Year (after Completion of one year DLP) (5% escalation on Second year cost of Item no.9.02)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00 | Job  | 142884.00  | 142884.00         |
| 9.04    | Fourth Year (after Completion of one year DLP) (5% escalation on Third year cost of Item no.9.03)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00 | Job  | 150028.00  | 150028.00         |
| 9.05    | Fifth Year (after Completion of one year DLP) (5% escalation on Fourth year cost of Item no.9.04)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.00 | Job  | 157529.00  | 157529.00         |
|         | <b>Total of SH-II :- AICMC of ALCMS (Part -B)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |      |            | <b>716121.00</b>  |
|         | <b>Total (SH-I + SH-II ) Total - C</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |      |            | <b>5805421.00</b> |

(Rupees Fifty Eight Lakh Five Thousand Four Hundred Twenty one only)

Note :- GST shall be paid as per actual.

*[Signature]*  
25/11/2022

(R.B.S. Kushwaha)  
DGM (E-E)  
AAI, CA, Vadodara

Signature Not Verified

Digitally signed by RAVINDER SINGH MEHROK  
Date: 2023.02.03 10:56:52 IST  
Location: eProcurement System for Central PSUs