



# भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Ref. No. AAI/RPR/SM/ENGG (E)/ARMO/WO-03/2020-21/

Date: 02.11.2020

**By Speed Post/E-mail**

सेवा में,

मेसर्स एनसेवियर टेक्नोलॉजिस प्रा. लि.,  
प्लॉट नं 3, ब्लॉक ए, ग्राउंड फ्लोर,  
सेक्टर 19, द्वारका  
न्यू दिल्ली-110075

M/s Ensavior Technologies Pvt. Ltd.,  
Plot No. 3, Block A, Ground Floor,  
Sector 19, Dwarka  
New Delhi-110075,

कार्य का नाम:- स्वामी विवेकानंद हवाई अड्डा, रायपुर में मौजूदा एएचयू में एओपी – अल्ट्रा वायलेट कीटाणु नाशक विकिरण (यूवीजीआई) इकाई के डिजाइन, आपूर्ति, स्थापना, परीक्षण और कमीशन का प्रस्ताव।

**Name of work:- Proposal for Design, Supply, Installation, Testing and Commissioning of AOP - Ultra Violet Germicidal Irradiation (UVGI) unit in existing AHUs at S. V. Airport, Raipur.**

**संदर्भ / Ref:-** आपकी ई-निविदा जो 16.09.2020 को खोली गई / Your e- tender opened on 16.09.2020.

महोदय / Sir,

1. उल्लिखित कार्य हेतु आपकी ई-निविदा के संबंध में आपके द्वारा उद्धरीत कुल **रु. 20,45,563.00 (रुपये बीस लाख पैंतालीस हजार पाँच सौ तिरसठ मात्र)** (जी. एस. टी. रहित), जो कि आंकलन लागत राशि **रु. 26,95,096.00 (रुपये छब्बीस लाख पन्च्यानबे हजार छियानबे मात्र)** (जी. एस. टी. रहित) से 24.10% कम है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की 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 quoted by you totaling of **Rs. 20,45,563.00 (Rupees Twenty Lakhs Forty Five Thousand Five Hundred & Sixty Three Only)** (excluding GST), which is 24.10% below the estimated cost put to tender of **Rs. 26,95,096.00 (Rupees Twenty Six Lakhs Ninety Five Thousand Ninety Six only)** (excluding GST).

2. वरिष्ठ प्रबंधक (अभि-वि), भाविप्रा, स्वामी विवेकानंदा हवाईअड्डा, रायपुर, उपरोक्त कार्य के प्रभारी होंगे। आपसे निवेदन है कि आप वरिष्ठ प्रबंधक (अभि-वि) भाविप्रा, स्वामी विवेकानंदा हवाईअड्डा, रायपुर, के कार्यालय में दिनांक 11.11.2020 को उपस्थित रहकर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण करने का कष्ट करें। ठेका करार का निष्पादन एक सौ रुपए मूल्य के गैर अदालती स्टैम्प पेपर पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।

SM Engg (E), AAI, Swami Vivekananda Airport, Raipur, shall be the Engineer – In-charge of the work. You are requested to attend the office of SM Engg (E) AAI, Swami Vivekananda Airport, Raipur by 11.11.2020 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.



# भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

3. ठेका प्रलेख के धाराओं के अनुसार आपके निविदा के साथ प्राप्त धरोहर राशि रुपये **53,902.00** (रुपये तिरपन हजार नौ सौ दो मात्र) को जमानत जमा के एक हिस्से के रूप में जमा माना जायेगा। कृपया इस कार्यादेश के जारी होने की तिथि से 10 दिनों के भीतर जमानत जमा के शेष रुपये **1,50,654.00** (रुपये एक लाख पचास हजार छः सौ चौवन मात्र) इस कार्यालय में जमा करायें अन्यथा यह कॉट्रैक्ट डॉक्यूमेंट के धाराओं के अनुसार आपके चलित बिल से काटा जायेगा।

The Earnest Money amount of **Rs. 53,902.00 (Rupees Fifty Three Thousand Nine Hundred & Two Only)** received along with your tender will be treated and converted as part of security deposit as per condition of contract document. Please deposit **Rs. 1,50,654.00 (Rupees One Lakhs Fifty Thousand Six Hundred & Fifty Four Only)** towards 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 conditions of the contract document.

4. आपसे अनुरोध है कि आप ठेका श्रमिक (विनिमय एवं उन्मुलन) अधिनियम 1970 के उपबन्धों का अनुपालन करें। साथ ही ठेका श्रमिक (विनिमय एवं उन्मुलन) केन्द्रीय नियमावली 1971 एवं केन्द्रीय एवं राज्य सरकारों के न्यूनतम वेतन तथा उससे सम्बन्धित अन्य नियमों का पालन करें।  
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 and minimum wages act and rules of Central and State Governments, with its upto date amendments thereof.

5. आपको यह भी निर्देश दिया जाता है कि आप प्रबंधक (अभि-वि), भाविप्रा, स्वामी विवेकानंदा हवाई अड्डा, रायपुर, से अविलम्ब सम्पर्क करें जो आपको कार्यस्थल सौंपेंगे।

You are also directed to contact Mgr. (Engg-E), AAI, S.V. Airport, Raipur, 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 03 (तीन) महीने है जो कि दिनांक 11.11.2020 से माना जायेगा।

Please note that the time allowed for carrying out the work shall be 03 (Three) months and same will be reckoned from 11.11.2020.

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 की 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.

9. कार्यआदेश के संबंध में किसी प्रकार की टंकणीय त्रुटि/विसंगति होने पर अंग्रेजी संस्करण मान्य होगा।

With reference to this work order, if in case of any typographical mistake/discrepancy arise, the English version shall be applicable final.

धन्यवाद / Thanking you,

संलग्न / Encl: Schedule

02.11.2020

भवदीय / Yours faithfully,

वरिष्ठ प्रबंधक (अ-वि) / Senior Manager [E-E]

एएआई, स्वामी विवेकानंदा, हवाई अड्डा, रायपुर / AAI, S. V. Airport, Raipur



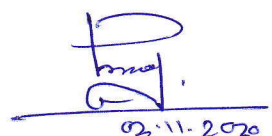
**AIRPORTS AUTHORITY OF INDIA**  
**ENGINEERING WING (ELECTRICAL)**  
**S. V. AIRPORT, RAIPUR**

**Schedule of Quantity**

**Name of Work :- Proposal for Design, Supply, Installation, Testing and Commissioning of AOP - Ultra Violet Germicidal Irradiation (UVGI) unit in existing AHUs at S. V. Airport, Raipur.**

| Sr. No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit  | Qty. | Rate (Rs.)         | Amount (Rs.)        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------------------|---------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3     | 4    | 5                  | 6                   |
| 1       | Detail Design, Supply, Installation, testing and Commissioning of Ultra Violet Germicidal Irradiation (UVGI) in existing Air Handling Units (AHUs) with out affecting cubic feet per minute flow (CFM). Job includes complete design & submission of reports with adapting Advanced Oxidation Plasma (AOP) Cell and Ultra Violet Germicidal Irradiation technology, generating ultra violet rays and hydroxyl ions to prevent airborne disease transmission by infectious agents which may involves droplets by sneezing or coughing or are otherwise distributed into the air, <b>the details of AHUs, Specifications with quantity of AOP cell units and Specifications with quantity of UVGIs are placed in tender documents (Total AHU 33 Nos.)</b> including providing necessary modification, installation, testing & commissioning of AOP-UVGI units (with 5 meter 3 core suitable size copper flexible cable for each unit) inside the AHUs/AHU planum/HVAC duct with the provision of control panel comprising of Electronic Ballast with high power factor of > 0.90, Run hour meter, Mains on indicator lamp, MCB or Disconnect Switch, indicator lamp for each UV lamp, complete etc as required. (Similar to Ensavior/ Aeropure, Myaire/ UVDI/ Honeywell/York / Philips / Sukrut / Alfaa UV or equivalent for UVGI & for AOP cell ultra fresh, air exchange solutions, elite air techniques, Ensavior, RGF, Myaire, Streilaire or equivalent *with no ozone forming certification for UV lamps and all electronics components used shall be UL listed, meeting the technical parameters mentioned in the tender documents and with prior approval of the Engineer-In-Charge.) | Job   | 1    | 1,852,000.00       | ₹ 1,852,000         |
| 2       | Supply & laying following sizes Copper Armoured conductor XLPE insulated, PVC tape inner sheathed Cable for working voltage 1.1 KV grade & as per IS: 7098 (Part- I ) 1988 with up to date ammendments, complete etc as required. 3 core X 2.5 Sqmm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Meter | 300  | 100.00             | ₹ 30,000            |
| 3       | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required. DSR 1.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Job   | 33   | 321.00             | ₹ 10,593            |
| 4       | Supplying and fixing 6A, thee pin top on existing flexible wire. Havells Athena Plugs Top or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Job   | 33   | 90.00              | ₹ 2,970             |
| 5       | Submission of air quality report from NABL certified lab with testing as per SS 554 (with upto date ammendment or equivalent) complete etc as required. Testing shall be done by collection of Plate sampling method for total microbial count in CFU/M <sup>3</sup> in 8 hours, 12 sample in one day. (SGS Enviroimental Services, Kolkata or any certified lab.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Job   | 1    | 150,000.00         | ₹ 150,000           |
|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      | <b>Total (Rs.)</b> | <b>2,045,563.00</b> |

**(Rupees in words: Twenty Lakhs Forty Five Thousand Five Hundred & Sixty Three Only)**

  
02.11.2020  
**(Pramod Soni)**  
**Sr. Manager (E-E)**  
**AAI, S. V. Airport, Raipur**