

### Technical Bid-Evaluation Sheet

**Name of work: Supply, Installation, Testing & Commissioning of 07 Nos. Airport Rotating Beacons (ARB) at Various Airports under Northern Region.**

**Tender id: (2021\_AAI\_67537\_1)**

| Sl. No. | Evaluation Criteria                                                                                                                                                                                                                                                                                        | Bidder                                                                                 |                                             |                                                               |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
|         |                                                                                                                                                                                                                                                                                                            | 1<br>Three D Integrated Solutions Ltd.                                                 | 2<br>AMA Private Ltd.                       | 3<br>Vardhman Airport Solutions                               |
| 1       | In case of Manufacturer, Scanned Copy of Registration with District Industries Center/ Commissioner of Industries / Scanned copy of Certificate issued by appropriate Govt. Authority as a proof of being Original Item Manufacturer for Airport Rotating Beacon / Airport Lighting Equipment and Systems. | Certificate of Incorporation                                                           | Certificate of Incorporation                | Certificate of Incorporation                                  |
|         | Or<br>In Case of authorized dealer/Authorized Supplier copy of Current authorization from OEM firm.                                                                                                                                                                                                        | Authorization from M/s<br>EMA TesisAT vE<br>EDNDUSTR YEL ciHAztAR<br>sAN. vE TiC. A.S. | Authorization from M/s<br>Hughey & Phillips | Authorization of CDT<br>HUNAN CHENDONG<br>TECHNOLOGY CO.,LTD. |
| 2       | copy of executed work order for SITC of Airport Rotating Beacon / Airfield Lighting Equipment and Systems. The executed work order should fall within the period of last 7 years (as on 31.12.2020).<br><b><i>i. Having completed three orders for</i></b>                                                 | Yes                                                                                    | Yes                                         | Yes                                                           |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                          |                                                                                                                                   |                                                                                                                                       |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|   | <p><b>SITC of Airfield Lighting Equipment &amp; System /Airport Rotating Beacon costing not less than INR ₹17.02 lakhs each.</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>ii. Having completed two orders for SITC of Airfield Lighting Equipment &amp; System /Airport Rotating Beacon costing not less than INR ₹21.27 lakhs each.</b></p> <p style="text-align: center;"><b>OR</b></p> <p><b>iii. Having completed one order for SITC of Airfield Lighting Equipment &amp; System /Airport Rotating Beacon costing not less than INR ₹34.04 lakhs each.</b></p> | <p style="text-align: center;">Rs. 1.59 crores</p> <p>AAI work order No. 5-C/1/2016-AR II (TECH)/ARB/479, 16/11/2018</p> | <p style="text-align: center;">Rs. 3.06 crores</p> <p>AAI work order No. AAI/CHQ/Engg.(E)/ER/Jharsu guda/GLF/2017, 22/09/2017</p> | <p style="text-align: center;">Rs. 1.45 crores</p> <p>AAI work order No. AAI/ASR/PRO/PED-I/Photometric/2018/W.O-05/320 24/12/2018</p> |
|   | <p><b>The work orders shall be supported with Completion Certificate / Delivery/Commissioning Certificate for Supply &amp; Commissioning for each order from concerned firm indicating reference to Purchase order/Invoice. Any document which establishes that the material has been delivered to the concerned firm shall be considered as completion/Delivery/commissioning certificate.</b></p>                                                                                                                                                                              | Given                                                                                                                    | Given                                                                                                                             | Given                                                                                                                                 |
| 3 | Scanned Copy of Agreement between the Indian Associates / Agent and Manufacturer in case of the foreign firms participating in tender.                                                                                                                                                                                                                                                                                                                                                                                                                                           | NA                                                                                                                       | NA                                                                                                                                | NA                                                                                                                                    |
| 4 | Bidder firm shall submit scanned copy of undertaking stating that its Partners or its Directors have not been black listed or any                                                                                                                                                                                                                                                                                                                                                                                                                                                | Given                                                                                                                    | Given                                                                                                                             | Given                                                                                                                                 |

|    |                                                                                                                                                                                                                                                                                                     |                                        |                                        |                                        |
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|    | case is pending or any complaint regarding irregularities is pending, in India or abroad, by any global international body like World Bank/International Monetary Fund / World Health Organization etc., or any Indian State /Central Government Departments or Public Sector Undertaking of India. |                                        |                                        |                                        |
| 5  | Scanned copy of <b>Unconditional Acceptance Letter</b> as per format given under ANNEXURE-I of this tender document, on firm's letter head.                                                                                                                                                         | Given                                  | Given                                  | May be given on Letterhead             |
| 6  | Scanned copy of <b>Permanent Account Number</b> issued by Income Tax Deptt.                                                                                                                                                                                                                         | AACCT6372K                             | AAACA1016F                             | AAECN5914F                             |
| 7  | Scanned copy of <b>GST Registration</b>                                                                                                                                                                                                                                                             | 06AACCT6372K1ZI                        | 07AAACA1016F1ZG                        | 07AAECN5914F1ZK                        |
| 8  | <b>In case of experience with Private Organization, copy of TDS certificate against the transaction claimed at b) should be submitted in technical bid.</b>                                                                                                                                         | NA                                     | NA                                     | NA                                     |
| 9  | Certified copies of abridged balance sheets along with profit & loss account of the (bidder) in support of annualized average financial turnover during last three financial year i.e. FY 2017-18, 2018-19 and 2019-2020.                                                                           | 2017-18<br>2018-19<br>2019-20<br>Given | 2017-18<br>2018-19<br>2019-20<br>Given | 2017-18<br>2018-19<br>2019-20<br>Given |
| 10 | Letter for authorized signatory (with Capacity and authority) for submitting tender documents/contract.                                                                                                                                                                                             | Given                                  | Given                                  | Given                                  |
| 11 | Product Data sheet of Aerodrome Rotation Beacon (ARB) which meets the Technical Specification as per <b>Section D</b> .                                                                                                                                                                             | Given                                  | Given                                  | Given                                  |
| 12 | Digitally signed tender doc.                                                                                                                                                                                                                                                                        | Given                                  | Given                                  | Given                                  |
|    | <b>Technical Specifications</b>                                                                                                                                                                                                                                                                     |                                        |                                        |                                        |
|    | Airport Rotating Beacon shall be of L-                                                                                                                                                                                                                                                              | Authorization from M/s                 | Authorization from M/s                 | Authorization of CDT                   |

|  |                                                                                                                                                                                                                                     |                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                              |
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|  | <p>802A type and meet the technical specification requirement given in the para 4.2 to 4.6 below (As per FAA's standard: FAA AC 150/5345-12F). The Airport Rotating Beacon shall be FAA compliant.</p> <p>Section 4.1<br/>4.2.5</p> | <p>EMA TesisAT vE<br/>EDNDUSTR YEL ciHAztAR<br/>sAN. vE TiC. A.S.</p> <p>FAA AC 150/5345-12F L-802A compliance not mentioned in Product Data Sheet.</p> <p><b>Country of origin of the product</b></p> | <p>Hughey &amp; Phillips</p> <p>But Product data sheet say Hali Brite Inc.</p> <p>Either of the following to be sought:</p> <ul style="list-style-type: none"> <li>i. Authorization from Hali Brite Inc.</li> <li>or</li> <li>ii. Product from Hughey &amp; Phillips</li> <li>or</li> <li>iii. Document showing relation between Hali Brite Inc. &amp; Hughey &amp; Phillips</li> </ul> <p><b>Country of origin of the product</b></p> | <p>HUNAN CHENDONG TECHNOLOGY CO.,LTD.<br/><i>Provided</i></p> <p><b>Country of origin of the product</b></p> |
|  | <p>The beacon must be designed as a rotating type using steady burning lamps to operate/adopted to operate from a standard line voltage of 220 Volt, 50 Hertz, alternating current.</p> <p>Section 4.2.1</p>                        | <b>Yes</b>                                                                                                                                                                                             | <b>Yes</b>                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>Which is FAA : AC 150/5345-12, L-801A compliant.</b></p> <p>L 802 A compliance to be sought</p>        |
|  | <p>The Beacon shall show green flash alternating with white flash.</p> <p>Section 4.2.2</p>                                                                                                                                         | <b>Yes</b>                                                                                                                                                                                             | <b>Yes</b>                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Yes</b>                                                                                                   |

|  |                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |                                                        |                                                                                                                 |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  | The frequency of total flashes shall be from 20 to 30 per minute.<br>Section 4.2.3                                                                                                                                                                                                                                                                                                       | <b>Yes</b>                                      | <b>Yes</b>                                             | <b>Yes</b>                                                                                                      |
|  | The Beacon must appear, at any point throughout 360 degree azimuth, as a light source emitting flashes of white and / or coloured light rates, colour and intensities.<br>Section 4.2.3                                                                                                                                                                                                  | <b>Yes</b>                                      | <b>Yes</b>                                             | <b>Yes</b>                                                                                                      |
|  | The lamps used in beacon must be with a minimum rated life of at least 4000 hours at rated voltage.<br>Section 4.4                                                                                                                                                                                                                                                                       | <b>Not mentioned</b><br><br><b>To be sought</b> | <b>26000 hrs.</b>                                      | <b>50000 hrs.</b>                                                                                               |
|  | Beacon should incorporate an additional bulb which will take place of the bulb in operation in case of getting fuse automatically & gives the indication accordingly or conforming to FAA AC 150/5345-12F, clause 3.5.1 Lamp Monitor. A circuit, if provided, must permit connection to a remote warning lamp and / or buzzer to indicate failure of the service lamp(s).<br>Section 4.5 | <b>Yes</b>                                      | <b>Compliance not found in the product data sheet.</b> | <b>Arrangement in given product for switch over/stand by bulb operation is not clear in product data sheet.</b> |

Signature Not Verified

Digitally signed by ADARSH C K  
Date: 2021.02.03 11:21:48 IST  
Location: eProcurement System for Central PSUs

