

GUJARAT STATE DISASTER MANAGEMENT AUTHORITY (GSDMA)  
EARLY WARNING DISSEMINATION SYSTEM (EWDS)  
NATIONAL CYCLONE RISK MITIGATION PROJECT II (NCRMP-II)

Bid Number: IN-GSDMA-156902-CW-RFB

N Procure Tender ID: 403455

**Date: 20/06/2020**

**Corrigendum-VIII**

Name of Work: Selection of System Integrator (SI) for supply, installation, testing and commissioning of Early Warning Dissemination System (EWDS) and Emergency Operations Centers as well as Operation and Maintenance and Annual Maintenance Contract Services under NCRMP-II Project.

With reference to the captioned subject matter, GSDMA has issued Corrigendum/Addendum to the Bid document, details as under: -

Sr No	Clause No.	Existing Clause	Addendum dated 20/06/2020
1	BDS ITB 23.1	The deadline for uploading the bids: Date: <b>22/06/2020</b> Time: 1500 hours	The deadline for uploading the bids: Date: <b>10/07/2020</b> Time: 1500 hours
2	BDS ITB 26.1	The online bid opening shall take place at:  <i>Gujarat State Disaster Management Authority 5th floor, Block 11, Udyog Bhavan Sector 11, Gandhinagar – 382011 Gujarat, India</i>  Bid (technical part) will be publicly opened on 22/06/2020 at 1530 hours, in the presence of the bidders designated representatives who wish to attend. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue. The bid will be opened through <a href="https://nprocure.com.in">https://nprocure.com.in</a> and online processes will be followed to open the bid and this could also be viewed by the bidders online.	The online bid opening shall take place at:  <i>Gujarat State Disaster Management Authority 5th floor, Block 11, Udyog Bhavan Sector 11, Gandhinagar – 382011 Gujarat, India</i>  Bid (technical part) will be publicly opened on 10/07/2020 at 1530 hours, in the presence of the bidders designated representatives who wish to attend. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue. The bid will be opened through <a href="https://nprocure.com.in">https://nprocure.com.in</a> and online processes will be followed to open the bid and this could also be viewed by the bidders online.

Sr No	Clause No.	Existing Clause	Addendum dated 20/06/2020
3	<p><b>PC 8. Time for Commencement and Completion - PC 8.2</b></p>	<p>The Time for Completion of the whole of the Facilities shall be 69 months (9 months for supply, installation, testing and commissioning; 24 months for warranty and Operation and Maintenance, 36 months Annual Maintenance Contract period) from the Effective Date as described in the Contract Agreement.</p>	<p>The Time for Completion of the whole of the Facilities shall be <b>72 months</b> (12 months for supply, installation, testing and commissioning; 24 months for warranty and Operation and Maintenance, 36 months Annual Maintenance Contract period) from the Effective Date as described in the Contract Agreement.</p> <p>Relevant clauses in the RFB document</p> <ol style="list-style-type: none"> <li>1. IFB – Clause 12 period of completion</li> <li>2. Clause 3a page 78 – Time schedule</li> <li>3. Clause 22 page 253 – Implementation Schedule Table</li> <li>4. Appendix 4 – Page 497 - Time schedule</li> </ol> <p>be modified to include 12 months for supply, installation, testing and commissioning.</p>
4	<p>IFB, Clause. No. 14.2(7), Page No. 211</p> <p>Corrigendum 7 Query no. 38 and 67</p>	<p>Horn Speaker Audio Coverage: The minimum coverage of warning broadcast should be 1.5 Km radius i.e. 3.0 km diameter and transmission should be Omni directional. The system audio output must be sufficiently high quality to be clearly audible at not less than 1.5 Kilometers (radius) from location of alert system. Expected audio level at 1.5 Kilometer from the amplifier locations should be at least 70 dB i.e. minimum 5 dB above ambient noise of 65 db.</p>	<p>The Clause is modified as - The minimum coverage of warning broadcast should be 1.5 Km radius i.e. 3.0 km diameter and transmission should be Omni directional. The system audio output must be sufficiently high quality to be <b>clearly audible at not less than 1.5 Kilometers</b> (radius) from location of alert system in all cases i.e. siren sound, prerecorded announcement and live announcement.</p> <p>The expected audio level at 30 meters should be at least 115dB and at 1.0 Kilometer from the amplifier locations should be at least 70 dB i.e. minimum 5 dB above ambient noise of 65 db. The sound level through Speaker should not exceed the recommended FEMA guidelines. The above criteria will be matched at any point on the circumference of the specified radius (30m, 1km and 1.5km) from the siren location.</p>

## Annexure 1 – Clarification regarding Horn Speaker for the Response provided to the query no. 38 Corrigendum 7.

The clause is only modified to include Omni- Directional Horn Speakers. The clause should be read as –

Horn speakers: Horn speakers Omni Directional / 4 units or more per location are to be mounted on towers as specified earlier in this document. Mounting Fixtures are to be provided by the contractor. The audio output power should be at least 300 watts RMS continuous per amplifier (or 600 Watts peak per Siren) or more. Direct-Single-Horn-Replacement must be possible at any time. Horns should be light weight, rugged, weatherproof and compact in size and shape. They should be moulded in metallic aluminium/aluminium alloy finish for long lasting and rust proof even under saline weather conditions. Total weight of horn assembly should normally not exceed 80 kgs, if the weight of horn assembly is above minimum specification, the tower/pole load bearing capacity should be in accordance with the overall design with respect to increase in weight of horn assembly meeting all other specifications and compliances mentioned in the RFB Document. Horns should preferably in rectangular shape and comply with low voltage directive standard EN 60065. Degree of protection for the horns should meet IP 65 specifications for protection against foreign particles such as dust and jets of water. In short, these installations should be ideal for outdoor use.

## Annexure II – Clarification Regarding Bandwidth requirement for VSAT in RFB document

1. Bandwidth requirements of the whole network will be in the range of 3.0 Mbps (1.0 Mbps for SCPC link and 2.0 Mbps for MF-TDMA link). In route will be 1.0 Mbps, out route will also be 1.0 Mbps and 1.0 Mbps SCPC link. The SCPC link should be asymmetrical with an outward link from SEOC to Hub will be 750kbps and hub to SEOC will be 250kbps.)
2. As per RFB - Nominal Diameter of C band VSAT antenna should be 1.8 meter or better, RF equipment and modem should be designed by Bidder / VSAT service provider, keeping in view very high reliability (better than 99.5%) requirement of the network. Structure of VSAT antenna and foundation should be designed to withstand peak wind speed of 200 Kilometers/ hour.

## Annexure III – Clarification Regarding Capability of Location Based Alert System

LBAS capability will be required mainly before Disaster for alert instructions and during disaster for response (rescue), rehabilitation activities. LBAS system will send SMS to only those persons who are within the polygon of interest as determined by vulnerability status at the time of generation of alert message. This can be achieved only when present location of recipient is known. However, we expect only reasonable accuracy of present location (for example location data within last 5 minutes). It is once again confirmed that as per present plan, there is no intention of alerting all citizens in the disaster area but only to specific group of people who are trained and selected for disaster response. Although if Department decides to use the LBAS to alert all the citizen in the selected polygon, there should not be extra cost involved for creation/integration/replacement/change/upgradation of the deployed LBAS system. Only the cost involved in scaling of the system **in terms of recurring cost only** will be considered if deemed reasonable to the department. No extra cost for hardware / integration / software / agreement will be provided and bidder should provide complete solution in the current

proposal. The capability of system to send location-based alert to notify general citizen should be at-least 10 Lac Citizen notifications in 5 mins through a single polygon.

#### Annexure IV – Clarification regarding Design Certification Requirement in Point 2 of Clause 18.5 page 235

Considering the Covid-19 situation and limited facilities at various institutes, Bidder can submit the approved certificate by IIT , NIT or Other Institutes [ Refer list – Annexure 5 Page 102 corrigendum VII ] for the proposed design within 15 days of opening of Technical Bid although Bidder shall submit the Detailed Design Specifications with compliance to RFB in his Bid.

#### Annexure V – Clarification regarding penalties with respect to Functional Guarantees

As per RRB document - Appendix 8. Functional Guarantees – Page 501

1. General – functional guarantees referred to in GC Clause 28 (Functional Guarantees) and Section III – Evaluation and Qualification Criteria Clause 1.4. which covers the Functional Guarantees for overall contract period including 2 years operations & maintenance phase. A separate SLA agreement based on the selected bidders solution parameters in lines with appendix 8 functional Guarantees will be signed with the selected bidder and clause 4.4 Limitation of Liability in the same appendix states - the Contractor's aggregate liability to pay liquidated damages for failure to attain the functional guarantees shall not exceed ten percent (10%) of the Contract price.
2. The Bidder shall perform its obligations under the agreement signed with the Employer, in a professional manner.
3. If any act or failure by the bidder under the agreement results in failure or inoperability of systems and if the Employer has to take corrective actions to ensure functionality of its property, the Employer reserves the right to impose penalty, which may be equal to the cost it incurs or the loss it suffers for such failures.
  - a. Employer may impose penalty to the extent of damage to its any equipment, if the damage was due to the actions directly attributable to the staff of Bidder.
  - b. The Employer shall implement all penalty clauses after giving due notice to the bidder.
  - c. If the Bidder fails to complete the due performance of the contract in accordance with the specification and conditions of the offer document, the Employer reserves the right either to cancel the order or to recover a suitable amount as deemed reasonable as Penalty / Liquidated Damage for non-performance.