

RFP No.: APSFL/ IMS/308/2018, Dated 30/05/2018

SUPPLY, INSTALLATION & MAINTENANCE OF IMS

Corrigendum 4, Dt: 02/07/2018

Bidders may please note that this corrigendum document is part of this RFP. The items listed in the corrigendum will supersede the corresponding clauses in RfP

SNo	Section	Clause	Brief Description of the clause	Page No	Revised clause
1	3. Scope of Work	3	Additional Clause for Audio conferencing	13	Please Refer Annexure A in this corrigendum
2	9. Annexures	12	Additional Clause for Lawful Interception System	55	Please Refer Annexure B in this corrigendum
3	9. Annexures	12	Revised Price Bid	37	Please Refer Annexure D in this corrigendum
4	6. Schedule of Requirement	18	Revised Schedule of Requirement	18	Please Refer Annexure C in this corrigendum

Annexure A

Audio telephone conference:

The bidder shall propose audio conferencing application with dial-in and dial-out facility. The conference calling application shall be integrated with IMS system.

The service should support up to 40,000 participants at the same time either on a single conference or multiple conferences. It should enable both Dial-out & Dial in based conferencing.

Dial-out: all participants will be dialed out on their mobile / landline numbers from the service and by answering the call they will join the conference.

Dial-in: a call will be scheduled and all the participants will dial a predefined number and enter a PIN at the scheduled time from their own telephone devices (mobile/landline) to join the conference.

The conference service should have the following features on the web based HOST DASHBOARD.

PIN less dial in:

The proposed system should enable the participants to join back to the conference by dialing in to the conference number when dropped off from the conference.

Call recording:

Complete conversation happened on the conference should be recorded and be accessible and downloadable from the HOST DASHBOARD.

Call Record Spiking:

The system should allow the host to enable the participants to 'mark important moments' on a live conference by pressing the predefined keys from their device number pad. All these marks/spikes should be visible on the call audio clip on the HOST DASHBOARD.

Custom greeting message:

The solution should enable the user to upload a greeting message clip for every conference which will be played upon participant answering the call (out bound), server answering the participant's call (inbound) before joining the conference.

Custom wait clip:

The solution should enable the user to upload a wait clip for every conference which will be played after the greeting message while the participant is waiting for the Host to start the conversation.

In conference announcements:

The system should enable the user to upload and play prerecorded clips on a live conference at any point of the conference.

In conference polls:

The system should support in conference polls, where the HOST will ask a question in a live conference and the participants can answer the poll using their device number pad. And the poll result should be displayed on the HOST DASHBOARD in real-time.

Hand raise:

In a live conference, If the participant(s) is in mute mode, the participant should be able to notify the HOST that he/she wants to talk by pressing a designated button from his/her device.

In conference controls:

The system should provide the following options for the Host in live conference.

Mute/Unmute: Muting or unmuting the participants either individually or all together.

Disconnect/Redial: The HOST should be able to either disconnect or redial the participants either individually or all together.

Add participants: The HOST should be able to add new participants to the call.

Private Room: The HOST should be able to select a number of participants to have a private talk in the live conference and come back to the normal conversation.

Additional feature:

The system should provide the below additional features

Voice Broadcast:

The host should be able to upload a voice clip and broadcast it to a number of participants. With a call back option where if the participant got disconnected and on his/her call back the clip should play from the point of disconnection in the clip.

ANNEXURE B

The proposed LI shall also intercept the data services of APFSL as per DOT and TRAI mandates. The System shall be compliant with latest DOT & TRAI regulations, and relevant ETSI/3GPP recommendations for Lawful Interception, including all prevalent requirements of DoT as on the date of opening of bids, including but not limited to that of integration with CDOT-CMS for e-provisioning,

The bidder shall provide for complete support and solution to ensure that Lawful Interception Solution is accepted by DoT, LEAs (law enforcement agencies) and CDOT-CMS team and shall maintain System as whole throughout the validity of the project, O&M, warranty and AMC period.

Licensing of Lawful Interception for Packet Data Interception shall be 3000 Target Provisioning, 240 concurrent data sessions or 14 Mbps intercepted Traffic.

ANNEXURE C : Schedule of Requirement

S. No.	Item description	Unit of Measurement	Quantity
1	NFV with necessary hardware & software in HA Mode	Sets	1
2	IMS with necessary hardware & software in HA Mode	Sets	1
3	Session Border Control with necessary hardware & software in HA Mode	Sets	1
4	SIP Application Server with necessary hardware & software in HA Mode	Sets	1
5	DNS & ENUM Server with necessary hardware & software in HA Mode	Sets	1
6	Lawful Interception System with necessary hardware & software in HA Mode	Sets	1
7	Network Management System(NMS) with necessary hardware & software in HA Mode	Sets	1
8	Audio Conferencing Server with required hardware & software.	Sets	1

ANNEXURE D

Price Bid

To be submitted by Bidder on original letterhead)

To
The Managing Director,
Andhra Pradesh State FiberNet Limited,
3rd Floor, NTR Administrative Block,
Pandit Nehru Bus Station,
NH – 65, Vijayawada – 520013

Date:

Subject: RFP for Supply, Installation & Maintenance of IMS

Ref: APSFL/ IMS/308/2018, Dated 30/05/2018

Price Bid – Supply of IMS

SNo	Item description	Unit of Measurement	Qty (A)	Unit Price (B)*	Total Price (A*B)
1	NFV infrastructure with necessary hardware & software in HA Mode	Nos	1		
2	IMS with necessary hardware & software in HA Mode	Nos	1		
3	Session Border Control with necessary hardware & software in HA Mode	Nos	1		
4	SIP Application Server with necessary hardware & software in HA Mode	Nos	1		
5	DNS & ENUM Server with necessary hardware & software in HA Mode	Nos	1		
6	Lawful Interception System with necessary hardware & software in HA Mode	Nos	1		
7	Network Management System(NMS) with necessary hardware & software in HA Mode	Nos	1		
8	Audio Conferencing Server with required hardware & software.	Nos	1		
Total(A)					

Price Bid – Installation & Commissioning of IMS

S No	Item description	Unit of Measurement	Qty (A)	Unit Price (B)*	Total Price (A*B)
1	NFV with necessary hardware & software in HA Mode	Nos	1		
2	IMS with necessary hardware & software in HA Mode	Nos	1		
3	Session Border Control with necessary hardware & software in HA Mode	Nos	1		

4	SIP Application Server with necessary hardware & software in HA Mode	Nos	1		
5	DNS & ENUM Server with necessary hardware & software in HA Mode	Nos	1		
6	Lawful Interception System with necessary hardware & software in HA Mode	Nos	1		
7	Network Management System(NMS) with necessary hardware & software in HA Mode	Nos	1		
8	Audio Conferencing Server with required hardware & software.	Nos	1		
Total(B)					

Abstract of Cost Components:

S. No	Item	Total Price (INR)	Total Price in words
1.	Supply of IMS (A)		
2	Installation and Commissioning of IMS (B)		
Total In INR(A+B)			
Total Price (in Words)			

Note

- Supply to designated locations /central warehouse within AP as informed by APSFL.
- Unit Rate shall include all duties, levies, insurance, transport and other charges excluding Taxes.
- The Bidder offering the **Lowest Grand Total Cost (Exclusive of Taxes)** will be considered for award of contract.
- If there is a discrepancy between words and figures, the amount in words shall prevail.

APSFL reserves the right to

1. Negotiate with the Bidder whose offer is the lowest (L1) for further reduction of prices.
2. Ask other bidders to match the price of L1 to declare them as the shortlisted bidders and issue the order in case L1 defaults in performance of agreed terms and conditions.
3. Modify, reduce or increase the quantity requirements to an extent of the tendered quantity
4. Change the list of areas of work from time to time based upon the requirement of the purchase.
5. If delivery performance of the Bidder is not as per the Schedule, then APSFL reserves the right to take action against them.
6. APSFL reserves its right to withhold any amount for the deficiency in the service aspect of the ordered items supplied.

(Signature, name and designation of the authorized signatory)

(Name and seal of the firm)