Public Tender Notice No.PR/GS/EPABX/CAP/754 **Dated:** 15th February 2011

CORIGENDUM – I

Sub: Public Tender Notice No.PR/GS/EPABX/CAP/754 dated 15th February 2011, on IIA website for Supply of EPABX – IP based ISDN Compatible as per the specifications in the Annexure I – reg.

DETAILED SPECIFICATIONS/ TERMS AND CONDITIONS

TENDER NUMBER	PR/GS/EPABX/CAP/754 dated 15/02/2011
Name & Address of the Party	
Tender Document for	Supply, Installation ,testing, Commissioning and Integration with the EPABXs existing at our field stations, of a IP Based ISDN Compatible**, EPABX System (Expandable)** & Accessories thereof.
Due on	
To be opened on	
Technical Bid	In Envelope: 1 Technical specifications & check list
Financial Bid	In Envelope: 2 (Containing Quoted Rates in words & figures and the Comprehensive Maintenance Charges after warranty Period. The Taxes Chargeable to be mentioned specifically
Envelopes 1 & 2 together	In Envelope : 3 Super-scribed " TENDER FOR SUPPLY, INSTALLATION & COMMISSIONING OF IP EPABX System.
Signature of the Tenderer with Seal & Date	

PRODUCT & EQUIPMENT PROFILE

SL.NO.	DETAILS REQUIRED	
1	Name of the Equipment	
2	Name of the Manufacturing Concern	
3	Address	
4	Telephone Numbers	
5	Fax Number	
6	E Mail Address	
7	Whether Manufacturer? (Certificate to be enclosed)	
8	Whether Sole Distributor?(Authority Letter)	
9	Status of the Product (a) Indian (b) Imported (c) In Collaboration	
10	Year from which this Model is in Market	
11	Economic Life Span of the Equipment	
12	System After Sales Service (a) Dealer Network (b) Company Service Outlet (c) What is the strength of your Maintenance Team? (d) What will be the Minimum Time for report in case a fault is reported?	 Yes No Yes No
13	Have you attached the Performance Certificate from Minimum 3 Users? The enclosed Certificates must indicate the Address, Telephone Number & Fax of the User	
14	Have You attached the Technical Specification, Catalogue, Operating/ Service Manual ?	
15	Certificate that the minimum specifications are available as per Annexure "A" in the Model quoted?	
16	Have you attached TEC Certificate for the Model being Quoted?	

SIGNATURE OF THE TENDERER

SEAL & DATE

DESCRIPTION AND SPECIFICATIONS OF TELECOMMUNICATION EQUIPMENT & ACCESSORIES THEREOF

(A) Telecommunication Equipment

SL. No.	Name of the Item	Minimum Specifications (See broader spec. also)	Quantity
1	IP EPABX Based on true IP Communication Server Architecture (TEC / DOT approved) Configured for: • 16 Analogue Trunks (CLIP) • 01 ISDN PRI • 08 IP Extensions inskin expandable to 128 • 384 Analogue Extensions(CLIP) • 01 IP Operator Console • Inbuilt VRS/Voice Mail/Auto Attendant • In built Driver for Extl. P.A. System and external music ports • System Rack & Krone MDF • Call billing software • 150 Analog instruments	• System should support the latest features • Should have minimum at least 512 Ports • Should have CLIP facility on all Analogue Extensions • Should have CLIP facility on Analogue Trunks • ASMDR With Software • Should operate with UPS System (230VAC) • Should support the latest Hotel features for barring	One System
ACCESSORIES			
1	Cost of 8/24/32 Line Analogue Extension Card		Each
2	Cost of ISDN PRI Card		Each
3	IP Licence cost per port		Each
4	Cost of 4/8/16 Line Analog trunk card		Each
4	Cost of IP Phone Instrument (Basic)		Each
5	Installation/commissioning etc		
6	Cost of AMC after warranty period		
7	Full redundancy system cost		
8	Cost of owing the equipment (License renewal if any)		

Telecommunication Equipment Broader Specifications

(Digital Server-based ISDN VOIP Compatible, EPABX System (Expandable) & Accessories)

Technical specifications:

1. The exchange should be based on true IP communication server architecture. Legacy PCM / TDM, SPC based systems are not acceptable.

2. The server should be 19" rack mountable latest industry standard server processor-based architecture. It should be a true IP based communication server supporting IP, Digital and Analog extensions and trunks.

3. The operating system of the server should be stable and should not be affected by viruses etc.

4. The server should support peer-to-peer connection to the IP network.

5. The following call scenarios should not use any IP bandwidth on the LAN network deployed :
   a. Calls between Legacy Terminals, Analog, IP Extensions
   b. Calls between Legacy Trunks, Analog, PRIs.
   c. Calls between Legacy Terminals and Legacy Trunks.

6. Modularity of the each Legacy extension and trunk cards should be 4/8/24/32 port maximum per card with universal slot architecture.

7. Maintenance and configuration of the server should be possible from PC based software on LAN and Web-based.

8. The server should have built-in SIP server.

9. Server should support at least **512 ports** in standalone configuration (Tie line of multiple systems not allowed) and should support a maximum of 4 PRIs.

10. The IP EPABX should have in-skin auto attendant (100 recordable messages) to provide welcome message to 16 callers simultaneously and voice mail facility to all users. PC based and card based (occupying slots) auto attendant and voicemail not allowed.

11. Server configuration on PC should be GUI based and not tedious command based.

12. SMDR output shall be available in serial port and LAN.

13. The sever should support PRI, BRI (S bus & T bus), and SIP trunk (Public carrier and private network) and also to support third party SIP terminals.

14. Should support a built in paging and MOH interface.

2.0 General features of Server system:

1. The EPABX system should be suitable for flexible numbering scheme.

2. Caller ID information for both internal and external calls should be available to all analog, IP and SIP phone users through Analog Trunks, PRI and SIP trunks.

3. System should have abbreviated dialing (2000 entries) feature configurable for department based and individual user basis.

4. System should have boss – secretary calling feature.

5. Call back features.

6. Call forwarding internal and external.

7. Missing calls alert for internal / external should be available.

8. Should have, built in 8 groups of 8 party conference circuit used for meet me conference, configurable for 4 X 8 parties / 2 X 16 parties.

9. System should have dial by name features for IP phones.

10. System should have do not disturb feature.

12. System should generate howler tone for off hook state phones.

13. System should have facility of sending return messages to operator & to IP phone users.

14. System should have set relocation feature to swap two extensions by access codes.

15. System should have the facility for the users to set timed reminder.

16. Should have voice guidance facility.

17. Should support interface of third party SIP phones.

18. Audio / Video Web-conferencing facility will be added advantage.

19. Should have long conversation cut-off for incoming and outgoing calls for selective users.

20. All IP phones should support open XML /XTML interface.

3.0 Trunk interfaces for the system:

The trunk ports can be combinations of ISDN BRI, ISDN PRI, C0, and IP trunking.

The telephone server shall support following trunk interfaces / protocols:

1. Analog PSTN trunk: The system should have analog PSTN trunk interface to connect normal CO lines for making and receiving calls.

2. ISDN PRI : The system shall be able to provide maximum of 4 ISDN PRI trunk.

3. SIP trunks: The server shall have the integrated SIP trunk interface that based on internet protocol (IP) technology to provide a lower cost of usage by transmitting voice and fax over corporate intranet, or private local area network (LAN). Routing certain direct, point to point communication over IP network.

4.0 Maintenance:

1. Configuration should be possible through any designated IP phones.
2. Configuration should be possible through PC based GUI software application.
3. It should be possible to connect PC through LAN / Serial port / built in Modem.
4. Configuration should also be possible through Web-based URL.
5. PC programming should be password protected.
6. Should be able to schedule system data backup.
7. Should be able to collect system information, fault display and able to reset the system from PC maintenance console if required.
8. Should be able to read system configuration, card information and detailed port status and to be presented in HTML format.

01.Last date for submission of bids is upto 23rd February 2011 at 15.00 hours.

02.Please quote also for buyback of the following existing EPABX systems:-

01.Make: NEC
02.Model: DX Z600
03.Configuration: 250 analog extensions
04.Condition: as is where is

03.All other terms and conditions are remain unaltered.

Administrative Officer
IIA, Bangalore