



प्रसारभारती / PRASAR BHARATI

भारतीयलोकसेवाप्रसारक/ INDIA'S PUBLIC SERVICE BROADCASTER

अपरमहानिदेशक(अभि.) (द.क्षे) कार्यालय/ O/o. ADDL. DIRECTOR GENERAL (E)(SZ)

आकाशवाणीएवंदूरदर्शन / ALL INDIA RADIO & DOORDARSHAN

स्वामीशिवानंदासालै, चेन्नई / SWAMY SIVANANDA SALAI, CHENNAI - 600 005

No. ADG(E)(SZ)/SMT/IEBR/METP/24-25/

Date: 14.02.2025

Sir/Madam,

SUB: Request for Budgetary Quotation for one set of IP CODEC for the attached specification.

Quotations are invited for one set of IP CODEC

Sl. No.	Particulars	Qty.
1.	Procurement of one set of IP codec	1 job

1) **GUARANTEE / WARRANTEE:**

One year from the date of supply of material.

2) **Payment terms** :100% payment on testing of item.

Quotations may be Addressed to : Shri. N.Ravichandran, Deputy Director(E), Room No 306, O/o Additional Director General(E), Akashvani & DD, Swamy Sivananda Salai, Chennai - 600005.

And by Email to : diravm_sz@yahoo.com & airmaintenance.sz@prasarbharati.gov.in

Yours faithfully

A.Chithra
Director (E)
for ADG(A&BO)(E)(SZ)

IP CODEC For Live broadcasting with following specification:

Stereo IP audio encoder, or mono encoder/decoder with mic preamp

- Standard RTP streaming
- WEB radio encoding: Icecast/Shoutcast, MPEG L3
- Control and monitoring through WEB pages, monitoring via SNMP

Key Features:

- Two balanced analog inputs, or one balanced analog input and output
- Mic preamp with 12V phantom power on one input, selectable from front panel
- Supports G711, PCM, and MPEG L3 audio formats
- Standard RTP streaming, or Icecast/Shoutcast encoding in MPEG L3
- Auxiliary data tunneling (serial data, 4 GPIOs)
- Unicast, multicast, multi-unicast and multi-multicast (up to six destinations)
- Configuration and monitoring from WEB pages, or through ASCII commands via TCP
- Possibility to start/stop the stream via GPIOs
- Front panel headphones mini-jack
- External power supply
- Power supply: External 24VDC +/-20%
- Operating temperature / humidity: 0°C to 55°C / 0% to 70% non condensing

Balanced analog audio I/Os

- 1 stereo input / 1 mono I/O in full duplex-mode
- Left input Mic/line with 12V phantom power
- E.I.N (48 kHz, G=39 dB, Z=200 Ohms) <-115 dBm
- Maximum level / impedance
 - Inputs: +4 dBu / +18 dBu / > 10 Kohms
 - Mic level/impedance -2 dBu > 10 kohms
 - Left output (full-duplex mode only): +4 dBu / +18 dBu / < 100 ohms
- Frequency response: 0/-2 dB <20-20000Hz>

- THD + Noise:
 - input: < – 84dB @ -1 dBFS <20-20000Hz>
 - output: < – 84 dB @ -2dBFS <20-20000Hz>
- SNR: <- 98 dB <20-20000Hz>

Audio formats

- PCM 16bits, G.711(μLaw/aLaw), G722
- MPEG Layer 3 (VBR up to 192 kBit) (not in full-duplex)

Connectors

- Analog audio: Terminal block
- Network: 10/100 Mbit Ethernet (RJ45)
- RS232: SubD 9pin male
- GPIOs:
 - 4 GPO , 4 independant contact relays
 - 4 GPI , TTL input 5v/5mA overvoltage and EMC protections
 - Terminal block
- Headphone out: 3.5 mm Jack