

तार का पता: "मिनीस्टील"

Telegraphic Address : "MINISTEEL" No. 21013/4/2012-Admn. Genl. No.

सं० \_\_\_\_\_



To,  
  
(As per list enclosed)

भारत सरकार  
GOVERNMENT OF INDIA  
इस्पात मंत्रालय  
MINISTRY OF STEEL  
उद्योग भवन  
UDYOG BHAWAN

नई दिल्ली-110107

New Delhi-110107

Dated 10<sup>th</sup> September, 2012

Subject: Notice inviting tender for supply and Commissioning of Digital Audio Conferencing system in the Ministry of Steel.

Sir,

The undersigned is directed to invite "sealed cover tenders" from reputed firms for supply and Commissioning of Digital Audio Conferencing system in the Ministry of Steel . If your firm is interested to do this job, then please send your sealed cover tenders to Room No. 64, Udyog Bhawan, "G" wing by 11 AM on 25.09.2012. A tender box will also be placed in front of Gate No 1 reception of Udyog Bhawan for this purpose. A demand draft of 30,000/- (payable to " Pay & Accounts Officer, Ministry of Steel) as Earnest Deposit Money should also be enclosed with the tender. The detailed tender documents are enclosed with this letter.

2. The competent authority in the Ministry of Steel has all rights to accept or reject any tender or postponing or canceling the tender process without explaining any reasons therefore.

3. A copy of this letter is also available on the website ([www.steel.nic.in](http://www.steel.nic.in)) of this Ministry as well as Central Public Procurement Portal. The interested firm may also contact to the undersigned for any further details in this regard.

Yours sincerely

(S.K. Gupta)

Under Secretary to the Government of India

Tel: 23061243


✓ Copy to: NIC for placing the tender notice on the official website of this Ministry.

### **Qualifying Criteria**

Interested bidders should meet the following qualifying criteria:

1. Should have completed successfully two projects of at least 20 lakhs each of audio Integration during the last two years as on 31-March-2012. Documentary proof should be attached.
2. Should have had average annual financial turnover of Rs: 10 crore on Audio Integration/related works during the last three years ending 31st March 2012. (i.e. 2011-12, 2010-11, 2009-10). For this purpose bidder's own turnover will be considered not their OEM's.
3. Should have authorization from the principal manufacturers for the sale and service of required equipments of Audio Integration.
4. Technical compliance by the bidders should be adhered and no obsolete products to be quoted.
5. Should provide details of the clients with whom the bidder has done similar work including name, address, e-mail, telephone and fax numbers.
6. The sound system manufacturer(OEM) shall have base in India for sales, Service support and Service Centre in Delhi. Documentary proof shall be attached for the same.

**\*The bid not accompanying above Authorizations shall be rejected.**

  
सुरेन्द्र कुमार गुप्ता/S. K. GUPTA  
अवर सचिव/Under Secretary  
इस्पात मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
एन. सि. बिलो/Min. Secy

## TENDER DOCUMENT for

**Supply, Installation, Testing, Commissioning and Maintenance  
of  
Complete Audio Conference System  
for  
Conference Room at Ministry of Steel, Udyog Bhawan, New Delhi**

**Important dates:**

Last Date for Submitting Tender: 25.09.2012 11AM  
Date for Opening of Technical Bid: 25.09.2012 11:30AM

date of opening of Price Bid: Will be intimated on due course.

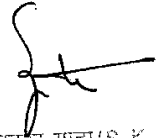
1. Sealed Tenders are Invited for Supply, Installation, Testing, Commissioning and Maintenance of Complete Conference System in Conference Room at Ministry of Steel, Udyog Bhawan, New Delhi. The details can be downloaded from our website **steel.nic.in** free of cost. It is also available on Central Public Procurement Portal.

2. Tender should reach to Shri S.K. Gupta, Under Secretary, Ministry of Steel, Room No. 64, G. Wing, Udyog Bhawan, New Delhi-110107 latest by 25.09.2012 by 11AM".

The technical and financial bids should be put in two separate envelopes clearly mentioning thereon technical or financial bids for "AUDIO CONFERENCE SYSTEM AT MINISTRY OF STEEL, UDYOG BHAWAN, NEW DELHI" on respective envelopes. Then the two envelopes should be put in the third envelop clearly superscribed as "TENDER FOR AUDIO CONFERENCE SYSTEM AT MINISTRY OF STEEL, UDYOG BHAWAN, NEW DELHI". Please note that the demand draft/pay order should be placed with the technical bid documents.

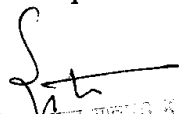
3. For any clarification, interested firms/agencies may please contact Shri S.K. Gupta, Under Secretary, Ministry of Steel on telephone No. 23061243.

4. The dates mentioned above are subject to changes and the bidders shall be intimated in case of any changes.

  
सुरेन्द्र कुमार गुप्ता/S. K. GUPTA  
अवर सचिव/Under Secretary  
इस्पात मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi

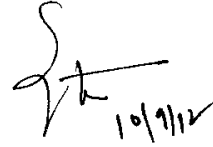
## TERMS & CONDITIONS

1. If the vendor is participating as a consortium, Name, address of all the members/technology partners of the consortia need to be clearly mentioned and no change will be allowed during the evaluation of the tender document.
2. Subletting/Subcontracting of the work/contract is not allowed.
3. The Ministry will examine the credentials of the contracting firms, based on the documents submitted and verification, experience, turnover, list of satisfied clients, financial soundness and certifications etc. and scrutinize the proposal submitted by them.
4. Proof of registration of sales tax, registration of service tax, PAN/TIN etc. should be attached along with Tender(alongwith technical bid documents). The details of the agency may be provided like status/registration of agency, any tie-ups with the principals/manufacturers etc.
5. The subsequent procurement will be governed by the rules and regulations of Government of India
6. Submitting a tender by the bidder does not automatically guarantee that the bidder will be considered for participation in the further process of procurement
7. The bidder or its parent and/or subsidiaries / OEM should not have currently been removed, invalidated or suspended by the Government of India, or any legal authorities within the union territory of India and is not under investigation by any of the government organizations.
8. The bidder should have no outstanding bankruptcy, judgment or pending legalaction that could impair operating as a going concern
9. The bidder should provide a onsite comprehensive warranty of the system supplied. The warranty period should be mentioned clearly. The firm should also indicate arrangement for the maintenance of system after expiry of warranty period. Successful bidder have to submit a performance guarantee equivalent to 20% of the project valuein the form of bank guarantee or FD in favour of "Pay and Accounts officer, Ministry of Steel".
10. The compliance sheet(Annexure-II) duly filled in and may be submitted alongwith the technical bid documents. The financial bid must be quoted strictly in accordance with the proforma as per Annexure III.

  
सुप्रेन्द्र कुमार गुप्ता/S.K. Gupta  
अवर सचिव/Under Secretary  
इस्पात मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi

11. Ministry of Steel, Udyog Bhawan reserves the right to accept or reject partial, any or all offers without assigning any reason thereof. All

12. The proposal and accompanying documents must be either in English or in Hindi language. It must be received no later than 25.09.2012 by 11 AM and be submitted to : Shri S.K. Gupta, Under Secretary, Ministry of Steel, Room No. 64, G. Wing, Udyog Bhawan, New Delhi-110107 clearly mentioning **“TENDER DOCUMENTS FOR “Supply, Installation, Testing, Commissioning and Maintenance of Complete Conference System for Conference Room at Ministry of Steel, Udyog Bhawan, New Delhi”** in sealed envelopes. The price bid and technical bid should be kept separately. Related product catalogues with technical specification sheet should be attached along with the technical bid.



सुरेन्द्र कुमार गुप्ता/S. K. GUPTA  
अधर सचिव/Under Secretary  
इस्पात मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
उद्योग भवन, नई दिल्ली/New Delhi

## ANNEXURE 1:

### **TECHNICAL SPECIFICATIONS**

#### **Boundary layer Microphone**

The microphone shall be miniature boundary layer microphone, small in size, suitable for table surface mounting. It shall have Half-supercardioid polar pattern reduces pickup of background noise, room acoustics and feedback.

The Microphone shall have the following Features

Phase coherent cardioid type

Bottom Mounted Three Pin XLR

Nominal sensitivity shall be 22 mV/Pa

Maximum SPL shall be 120 dB SPL for 3% THD

Low level loudspeaker, automatically muted if a microphone is on

Priority Module for priority feature

Quantity: 24 nos.(may increase or decrease)

#### **Wireless Lavellier Microphone**

Multichannel diversity receiver with atleast 10 channels

Auto setup for quick & easy setup

##### **Receiver**

RF Carrier freq ranges: 500 to 530, 570 to 600, 600 to 630, 650 to 680, 680 to 710, 720 to 750, 790 to 820, 835 to 865 Mhz

Modulation: FM

Audio Bandwidth 37 Hz to 20000 Hz

THD @ 1Khz < 0.35

S/N Ratio > 119 dB-A

Front LCD display with dual antenna

##### **Transmitter**

Frequency Response 75 Hz to 20 KHz

Transducer dynamic type

Supercardioid / Hypercardioid Directional Pattern

Sensitivity > 2.5 mV/Pa

Max SPL for 1% THD > 147 dB

LC display for Battery status display and other information

RF Output max 50mW

QUANTITY : 2 no.

### **Digital Signal Processor**

12 Analog Inputs (with 48v Phantom Power per Channel)  
8 Analog Outputs  
Configurable Signal Processing  
Rich Palette of Processing and Logic Objects  
48 Channel, Low Latency, Fault Tolerant Digital Audio Bus  
Clear Front Panel LED Indication  
Bi-Directional Locate Functionality  
QUANTITY: 2 nos(This should be compatible with the video conferencing system and recording system)

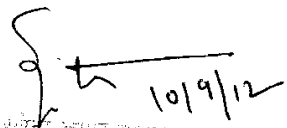
### **Ceiling Speaker**

Coaxially mounted 100 mm (4 in) woofer with butyl rubber surround and 19 mm (.75 in) titanium coated diffraction-loaded tweeter.  
High power, wide frequency response and low distortion for high sound level capability.  
Frequency Range : 80 Hz - 20 kHz  
Power Capacity : 80 W Continuous , Program Power : 40 W Continuous Pink Noise  
Rated Maximum SPL: 102 dB @ 1 m (3.3 ft)  
QUANTITY: 8 nos.

### **Line Array Speaker**

Constant directivity up to the highest frequencies and reduces out-of-coverage lobing.  
Switchable voicing provides flat response in music mode or mid-range presence peak in speech mode.  
Dynamic SonicGuard™ overload protection  
50W rms Built-in 70V/100V transformer, plus 8 ohm direct capability.  
Components : Eight 50 mm (2 in) Full-Range  
Frequency range (-10 dB) : 80 hz to 20 Khz  
Coverage Pattern : Vertical 20° (1.5 kHz - 16 kHz, ±10°) Horizontal 150° (ave, 1 kHz - 4 kHz, ±20°)  
Sensitivity (2.83V@ 1m) : 93 dB (speech mode, 2 kHz - 14 kHz) 89 dB (music mode, 300 Hz - 18 kHz)  
QUANTITY: 4 nos.

2/3

  
10/9/12  
शुभम कुमार गुप्ता/S. K. GUPTA  
अवर सचिव/Under Secretary  
इस्पात मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi

**Dual Channel power Amplifier**

375 / 300 watt RMS at 8 ohm dual channel.

High Performance, Lightweight Class D amp

Integrated Pure Band™ Crossover System for better performance and control

Peakx™ Limiters provide maximum output while protecting your speakers

XLR, 1/4", RCA inputs provide outstanding flexibility

Efficient forced-air fans prevent excessive thermal buildup

Electronically balanced XLR inputs; touchproof binding post and Speakon® outputs

Precision detented level controls, power switch, power LED, and six LEDs which indicate signal, clip and fault for each channel

**Cables and Connectors:**

1.5 sq mm 2 core speaker cable :

As per actual measurement

2 core shielded microphone cable: -

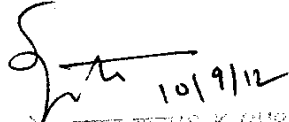
Quantity: As per actual measurement

As per actual measurement

**Connectors:** 1 lot

**Equipment rack :** of appropriate size for housing the above equipments: QUANTITY: 1 no.


3/3

  
10/9/12  
सुब्रह्मण्य कुमार गुप्ता/S. K. GUPTA  
अवर सचिव/Under Secretary  
इस्पात मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi



**FOR TECHNICAL BID(COVER-1) ANNEXURE II  
COMPLIANCE SHEET**

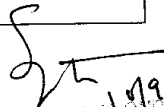
		COMPLIANCE		
		YES	NO	DEVIATION
<b>1</b>	<b>Boundary layer Microphone</b>			
	The microphone shall be miniature boundary layer microphone, small in size, suitable for table surface mounting. It shall have Half-supercardioid polar pattern reduces pickup of background noise, room acoustics and feedback.			
	The Microphone shall have the following Features			
	Phase coherent cardioid type			
	Bottom Mounted Three Pin XLR			
	Nominal sensitivity shall be 22 mV/Pa			
	Maximum SPL shall be 120 dB SPL for 3% THD			
	Low level loudspeaker, automatically muted if a microphone is on			
	Priority Module for priority feature			
<b>2</b>	<b>Wireless Lavellier Microphone</b>			
	Multichannel diversity receiver with atleast 10 channels			
	Auto setup for quick & easy setup			
	<b>Receiver</b>			
	RF Carrier freq ranges: 500 to 530, 570 to 600, 600 to 630, 650 to 680, 680 to 710, 720 to 750, 790 to 820, 835 to 865 Mhz			
	Modulation: FM			
	Audio Bandwidth 37 Hz to 20000 Hz			
	THD @ 1Khz < 0.35			
	S/N Ratio > 119 dB-A			
	Front LCD display with dual antenna			
	<b>Transmitter</b>			
	Frequency Response 75 Hz to 20 KHz			
	Transducer dynamic type			
	Supercardioid / Hypercardioid Directional Pattern			

  
 10/9/12  
 THE DIRECTOR GENERAL  
 AIR FORCE  
 AIR FORCE HEADQUARTERS  
 AIR FORCE HEADQUARTERS  
 AIR FORCE HEADQUARTERS

	Sensitivity > 2.5 mV/Pa			
	Max SPL for 1% THD > 147 dB			
	LC display for Battery status display and other information			
	RF Output max 50mW			
<b>3</b>	<b>Processor</b>			
	12 Analog Inputs (with 48v Phantom Power per Channel)			
	8 Analog Outputs			
	Configurable Signal Processing			
	Rich Palette of Processing and Logic Objects			
	48 Channel, Low Latency, Fault Tolerant Digital Audio Bus			
	Clear Front Panel LED Indication			
	Bi-Directional Locate Functionality			
	<b>Approved Make : Bosch / AKG / Crown</b>			
<b>4</b>	<b>Ceiling Speaker</b>			
	Coaxially mounted 100 mm (4 in) woofer with butyl rubber surround and 19 mm (.75 in) titanium coated diffraction-loaded tweeter.			
	High power, wide frequency response and low distortion for high sound level capability.			
	Frequency Range : 80 Hz - 20 kHz			
	Power Capacity : 80 W Continuous , Program Power : 40 W Continuous Pink Noise			
	Rated Maximum SPL: 102 dB @ 1 m (3.3 ft)	:		
<b>5</b>	<b>Line Array Speaker</b>			
	constant directivity up to the highest frequencies and reduces out-of-coverage lobing.			
	Switchable voicing provides flat response in music mode or mid-range presence peak in speech mode.			
	Dynamic SonicGuard™ overload			

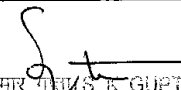
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 17912  
 Under Secretary / S. A. (C) /  
 अवर सचिव / Under Secretary  
 इस्पात, सरकार / Ministry of Steel  
 भारत, सरकार / Govt. of India  
 नई दिल्ली / New Delhi

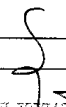
	protection			
	50W rms Built-in 70V/100V transformer, plus 8 ohm direct capability.			
	Components : Eight 50 mm (2 in) Full-Range			
	Frequency range (-10 dB) : 80 hz to 20 Khz			
	Coverage Pattern : Vertical 20° (1.5 kHz - 16 kHz, ±10°) Horizontal 150° (ave, 1 kHz - 4 kHz, ±20°)			
	Sensitivity (2.83V@ 1m) : 93 dB (speech mode, 2 kHz - 14 kHz) 89 dB (music mode, 300 Hz - 18 kHz)			
<b>6</b>	<b>Dual Channel power Amplifier</b>			
	375 / 300 watt RMS at 8 ohm dual channel.			
	High Performance, Lightweight Class D amp			
	Integrated PureBand™ Crossover System for better performance and control			
	Peakx™ Limiters provide maximum output while protecting your speakers			
	XLR, 1/4", RCA inputs provide outstanding flexibility			
	Efficient forced-air fans prevent excessive thermal buildup			
	Electronically balanced XLR inputs; touchproof binding post and Speakon® outputs			
	Precision detented level controls, power switch, power LED, and six LEDs which indicate signal, clip and fault for each channel			

**FOR: Name of the person and organization with contact Number with company seal and sign**

  
 सुरेन्द्र कुमार गुप्ता/S. K. GUPTA  
 अवर सचिव/Under Secretary  
 इस्पात मंत्रालय/Ministry of Steel  
 भारत सरकार/Govt. of India  
 नई दिल्ली/New Delhi

**FOR FINANCIAL BID (COVER-2)  
ANNEXURE III: PRICE BID**

	Description	Quantity	MAKE AND MODEL	Rate(INR)	Amount(INR)	Tax Amount(INR)	TOTAL AMOUNT(INR)
1	Boundary layer Microphone	22 nos					
2	Wireless Lavellier Microphone	1 no					
3	Processor	2 nos					
4	Ceiling Speaker	8 nos					
5	Line Array Speaker	4 nos					
6	Dual Channel power Amplifier	2 nos					
7	2 Core 1.5 Sqmm Loudspeaker cable(mtr)	As per actual measurement		Per meter			
8	2 core shielded Microphone cable(mtr)	As per actual measurement		Per meter			
9	Connectors	1 lot					
10	Equipment rack	1 no					
11	Installation, Testing and commissioning	1 job					
	GRAND TOTAL						

  
सुरेन्द्र कुमार सुप्टा/SURENDR K. SUPTA  
अवर सचिव/Asst. Secretary  
इस भारत मंत्रालय/Ministry of Steel  
भारत सरकार/Govt. of India  
नई दिल्ली/New Delhi  
17/9/22

FOR: Name of the person and organization with contact Number with company seal and sign