

National Gallery of Modern Art

Jaipur House, India Gate

New Delhi-110003

No. D-29003/2009/NGMA

Date: 12/8/2009

NOTICE INVITING QUOTATIONS

The Director, National Gallery of Modern Art (NGMA) New Delhi invites quotations from reputed manufacturers, authorized dealers etc. for supply, installation and commissioning of the following equipments on urgent basis.

- (i) Supply, fabrication, testing and commissioning of a PA system in block 2 and 3 of New Wing of NGMA at New Delhi.
- (1) The specifications of the equipments proposed to be procured is indicated in Annexure-'A' to the bid document. Manufacturers/Suppliers of equipments conforming to the above specifications only need respond.
- (2) The invitation to bid is open only to the original equipments manufacturers or their authorized dealers and contractors who have executed commissioning of similar equipment in the past in reputed organizations. The proof having completed similar work during the last 3 years need to be furnished.
- (3) The intending tenderers must produce copies of registration under DVAT Act 2004 and furnish their TIN number along with the bids.
- (4) The quantity mentioned in the bid document is indicative only which may likely to increase or decrease depending on the requirement at site
- (5) The tenderers should enclose detailed brochure of the equipment quoted for along with the bid/quotation.
- (6) The successful tenderer shall impart training in system operation to the concerned operator/staff of NGMA.
- (7) The tenderer should have a local office in Delhi and should be fully equipped to provide training and after sales service for the equipments.
- (8) The successful tenderer will have to supply, install, test and commission the entire system in its entirety and made fully operational at site.
- (9) Warranty : The equipment supplied shall carry on site warranty period of one year from the date of installation against all manufacturing defects and wear & tear during operation of the equipment. The successful bidder will have to keep the equipment in good operating condition during the period of warranty.

- (10) Penalty Clause : The successful bidder after installation and operationalisation of the equipment, shall attend to any complaints of malfunction, defects etc., of the equipment and rectify the defects within 24 hours of the complaint during the period of warranty.
- (11) The work involves mounting of speakers on walls and existing false ceiling etc. which should be executed with precision. The contractor will be liable and indemnify the department for any damage or loss that may occur to the govt. property during installation of the equipments.
- (12) The successful bidder shall have to complete the commissioning of the system complete in all respects with in one month from the date of award to the work.
- (13) The tender forms can also be obtained from the Office Superintendent in charge, National Gallery of Modern Art, Jaipur House, New Delhi free of cost or can be downloaded from NGMA website [www.ngmaindia .gov.in](http://www.ngmaindia.gov.in). upto 22.08.2009.
- (14) The quotation in sealed covers will be received upto 3.00 PM on 22.08.2009 and quotations received after the last date will not entertained.
- (15) The tender forms submitted by the tenderer shall contain all the requisite information. Incomplete bids are liable to be rejected.
- (16) The Director (NGMA) reserves the right to accept the tenders in totality or in parts thereof. The Director (NGMA) also reserves the right to accept or reject the tenders without assigning any reasons.

(Zile Singh Surehtiya)

O.S. (1/C)

12/8/09

Encl: (i) Proforma for quotations  
(ii) specification (Annexure 'A')

Copy to:-

1. All reputed organization/ Suppliers of PA system as per list attached (by speed post).
2. M/s C ross Section Interactive Pvt. Ltd., 4<sup>th</sup> Floor, suryakiran building, Barakhamba Road, New Delhi. You are requested to upload the tender notice in NGMA website (Tender Section) immediately and ensure that the notice remain uplinked till 22<sup>nd</sup> August, 2009 positively.
3. Notice Board.

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Bid Document

Quotation for PA system for block No. 2 & 3 of New Wing of NGMA, New Delhi.

S. No.	Particulars	Qty.	Unit	Rate per unit (in Rs.)
1.	Supply of PA Amplifier 500 Watt. (Bosch/Philips/Almijaets) as per specifications attached.	7 No.	Each	
2.	Supply of mixer (Mixing amplifier) Bosch/Philips/Dynacord etc. as per specification attached	1 No.	Each	
3.	Supply of wall mounting 2 way speakers 60 W (minimum) (Bosch/Philips/ Dynacord. as per specification attached	52 No.	Each	
4.	Supply of ceiling mounted 2 way speakers 9"-dia-40W (minimum) Bosch/Philips/Dynacord or identical brand as per specification attached	106 No.	Each	
5.	Supply of table top mike (Bosch/Shure or identical brand) as per specification attached complete with stand etc.	1 No.	Each	
6.	Supply of Multi-CD changer for continuous music MP+3/MP4/Player Bosch/LG/Sony/Samsung/Philips etc.	1 No.	Each	
7.	Supply of Powder coated steel amplifier Rack 19" duly wired as required	1 No.	Each	
8.	Supply of Shielded wire of copper conductor (2 core) Kalinga/Delta/Plaza	3900 mtr.	Per mtr.	
9.	Supply of 2" PVC pipe of best quality	1100 mtr.	Per mtr.	
10.	Supply of 1" PVC channel of best quality	300 mtr.	Per mtr.	
11.	Charges for installation, testing and commissioning of the entire system	--	Lumpsum	
12.	Taxes Chargeable			

SPECIFICATIONS FOR PA AMPLIFIER

RATED OUTPUT WATTAGE (RMS)	:	500 W
BATTERY VOLTAGE	:	24Vdc (MAX.10% deviation)
FREQUENCY RESPONSE	:	60 Hz TO 15 KHz (+1/-3 db)
DISTORTION (at rated output Power at 1 KBz)	:	<3%
INPUTS	:	XLR
IMPEDENCE	:	20 k ohms
SENSITIVITY	:	1 V balanced
SIN	:	>80 Db
DIMENSION (H X W X D)	:	145 x 430 x 370 Maximum

## SPECIFICATIONS FOR AUDIO MIXING AMPLIFIER

RATED OUTPUT WATTAGE (RMS)	: 60 W
BATTERY VOLTAGE	: 24Vdc (max.10% deviation)
FREQUENCY RESPONSE	: 50 Hz TO 18 KHz (+1/-3 db)
DISTORTION (at rated output Power ar 1 KBz)	: <1%
INPUTS	: 4 balanced inputs/3stereo line inputs
INPUT 1	: (5 pole DIN/6.3 mm phone jack)
INPUT 2-3	: (6.3 mm phone jack)
IMPENDENCE	: 1k ohms balanced
SENSITIVITY	: 1.0 mV (mic input)
SIN	: >75 Db
CHIME	: 0/2 (OFF/ON)selectable-on DIN input
SPEECH FILTER RESPONSE	: -3 Db at 315 Hz
PHANTOM POWER	: Yes (on mic input 1) (Through 5 pole DIN connection only)
DIMENSIONS (HXWXD)	: (88X432X250) MAXIMUM

SPECIFICATIONS FOR WALL MOUNTING SPEAKERS

SYSTEM TYPE	:	Two-Way System
NOMINAL IMPEDENCE	:	8 Ohms
FREQUENCY RANGE	:	65 HZ – 20000 HZ
SENSITIVITY	:	90 Db
RATED POWER	:	60 W
MAX POWER	:	100 W
LOW FREQ	:	6 1/2" (166 MM)
DIMENSIONS (WXLXH)	:	205x155x150 Maximum (MM).
FINISH	:	Black & White

SPECIFICATIONS FOR CEILING SPEAKERS

SIZE	:	9.2 dia
POWER	:	40 Watts
IMPEDANCE	:	8 Ohms
FREQUENCY REPORT	:	55 Hz-20KHz
AXIAL SENTIVITY	:	90 Db SPL
DRIVER SIZE	:	6.25"
TYPE	:	2 Way Co-Axial
FINISH	:	Compatible with the décor of the area

## SPECIFICATIONS FOR TABLE TOP MIC

### ELECTRICAL

#### PHANTOM POWER SUPPLY

VOLTAGE RANGE : 12-48V  
CURRENT CONSUMPTION ; <8Ma

### PERFORMANCE

SENSITIVITY : 0.7mV@ 85 dB SPL(i.e.2mV/Pa)  
MAXIMUM INPUT SOUND LEVEL: 110 Db SPL  
DISTORTION ; <0.6% (Maximum input)  
EQUIVALENT INPUT NOISE LEVEL : 28 Dbspla (i.e.s/n 66dba ref Ipa)  
FREQUENCY RESPONSE : 100 Hz-16 KHz  
OUTPUT IMPEDAMCE ; 200 Ohm  
CABLE LENGTH : 2 Mtr.