

**PALIKA SERVICES OFFICERS INSTITUTES (PSOI)  
VINAY MARG, CHANAKYAPURI  
NEW DELHI-110021**

No. PSOI/D/580

Dated: 26 Oct 2016

M/s \_\_\_\_\_  
\_\_\_\_\_

**Sub: Quotation for Supply, installation and customization of 55" LED TV and sound system in Palika Services Officers Institutes (PSOI) Vinay Marg, Chanakyapuri New Delhi-110021**

Dear Sir,

Please quote your best offer for **Supply, installation and customization of 55" LED TV and sound system ( As per Appendix-A)** in sealed cover duly subscribed with quotation no. and date which will be received up to 4.00 PM on 28 Oct 2016 and will be opened at 04.30 PM on the same day in the office of," Secretary, PSOI" room no.3010, Palika Kendra, Sansad Marg, New Delhi - 01.

**Eligibility Criteria for Technical qualification**

1. The bidder/O.E.M. should have office in Delhi/NCR for support.
2. The bidder SHOULD NOT HAVE BEEN black listed /defaulted (in completion of the project or any reasons in any Govt/State Govt/PSU/Govt. owned organization. ( attach self-authorization letter).
3. Copies of PAN, VAT Registration.
4. Latest ITR FY 2014-15.

**Scope of work**

- Necessary coordination with Interior and Electrical Department of NDMC for getting necessary works for installation of Audio equipment's, Access points and installation of LED TV.
- Supply of Audio equipment's, Access Points and LED TV as per Schedule of Quantity.

  


- Supply of Audio equipment's, Access Points and LED TV to achieve listed functionality in PSOI.
- All the audio equipment's should properly installed in the rack for easy operation and wires should be properly placed and tagger wherever required. Access points, LED TV & speakers should be installed at proper place to maintain the decorum of PSOI.
- Configuration wherever required.
- Testing of the Audio equipment's, Access Points and LED TV installed in integrated as well as on individual basis.
- The equipment/goods shall have a comprehensive on site warranty for minimum one year or in accordance with the terms of the OEM, as the case may be. LED TV should be under 3 years of Comprehensive Warranty. The tenderer may also furnish the AMC detail/ charges after the warranty for future maintenance of equipment's and Projectors.
- Providing training (By trained engineers/Technicians) to various users nominated by PSOI.
- During the project implementation any other scope which is not mentioned above may be implemented by bidder by his own cost.
- Handing over the complete project to PSOI



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**ANNEXURE 'A'**

**TECHNICAL SPECIFICATION FOR 55" LED TV**

Brand	SONY//SAMSUNG/LG
Item Weight	15 Kg to 20 Kg
Product Dimensions	123 x 6.1 x 71.5 cm
Resolution	1920 x 1080p
Display Technology	LED
Screen Size	55 Inches
Viewing Angle	178 Degrees
Image Aspect Ratio	16:09
Image Contrast Ratio	40000:1
Display Resolution Maximum	1920 x 1080p
Audio Wattage	10 Watts
Wattage	20 Watts
Batteries Included	No
Batteries Required	No
Refresh Rate	800 hertz
Total Usb Ports	2

**TECHNICAL SPECIFICATION FOR SOUND SYSTEM**

**Loudspeaker Management System (JBL/Harman/Yamaha/Bose)**

**Features**

- Feedback Elimination
- 2.7 Seconds of Alignment and Zone Delay
- RS-232 PC GUI control
- Classic dbx Compression and Limiting
- Graphic and Parametric EQ
- Auto-EQ Function
- Full Bandpass, Crossover, and Routing Configurations
- Auto Gain Control
- Pink Noise Generator and fulltime RTA
- Setup Wizard with JBL speaker and Crown Power Amplifier Tunings
- Security Lockout
- Control Inputs

**Specifications**

Input	(2) line inputs. (1) RTA Mic input
Input Connectors	(2) Female XLR line inputs. XLR RTA Mic input
Input Type	Electronically balanced/RF filtered
Input Impedance	>40k ohm
Max Input	+30dBu with input jumpers in +30 position
CMRR	> 45dB
Mic Preamp Phantom Power	+15VDC (RTA)
Mic Preamp Equivalent Input	< -110dB, 22Hz-22kHz, 150 ohm (RTA)



Noise (EIN)	
Output	6 total
Output Connectors	Male XLR
Output Type	Electronically balanced, RF filtered
Output Impedance	120ohm
Max Output	+22dBu
A/D Converter	dbx Type IV™ Conversion System
A/D Dynamic Range	(line) >113 dB, A-weighted, >110 dB unweighted
Type IV Dynamic Range	>119 dB, A-weighted, 22kHz BW; >117 dB, A-weighted, 22kHz BW
Sample Rate	48kHz
D/A Dynamic Range	112 dB A-weighted, 109dB unweighted
Dynamic Range	>110 dB A-weighted, >107dB unweighted
THD+Noise	0.003% typical at +4dBu, 1kHz, 0dB gain
Frequency Response	20Hz – 20kHz, +/- 0.5dB
Interchannel Crosstalk	>110dB, 120dB typical, (input-to-output: >100dB)

### **18" SOUND SUBWOOFER**

- 18 in. compact subwoofer.
- 350 W (continuous), 1400 W (peak) power capacity.

### **SPECIFICATIONS**

<b>Power Rating</b>	350 W / 1400 W
<b>Frequency Range (-10 dB)</b>	34 Hz - 250 Hz
<b>Frequency Response (±3 dB)</b>	53 Hz - 250 Hz
<b>Sensitivity (@1m)</b>	98 dB SPL
<b>Nominal Impedance</b>	4 ohms
<b>Recommended Amplifier Power</b>	350 W to 700 W into 4 ohms
<b>Maximum SPL</b>	133 dB
<b>Dimensions (H x W x D)</b>	605 mm x 508 mm x 551 mm (23.5 in x 20.3 in x 22 in)
<b>Net Weight</b>	32.2 kg (71 lb)
<b>Low Frequency Driver</b>	M118-4
<b>Input Connectors</b>	Neutrik® Speakon® NL-4 (x2); parallel

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## Dual 15" Two-way sound Reinforcement Loudspeaker System

### FEATURES

- low frequency drivers with a 64 mm (2.5 in) diameter edge wound ribbon voice coil which provides more cross sectional wire area in the voice coil gap than round wire designs, for greater efficiency and power handling.
- JBL 2414H-C 25 mm (1 in) polymer diaphragm compression driver improves high frequency performance as well as system reliability.
- The advanced network topology crossover design shapes frequency response and delivers coherent summation in the crossover region.
- A "Quasi 3-Way" design offers the extra bass for which a dual fifteen system is designed, but without sacrificing performance in the critical mid-range. The upper woofer produces mid-frequencies and bass, while the lower woofer concentrates on bass only. The reduction in mid-range phase cancellation greatly improves midrange sound quality and coverage.
- High-voltage capacitors and inductors with massive cores and heavy gauge wire enable the crossover network to handle high power without saturating.
- Progressive Transition™ high frequency waveguide provides superior coverage control, reduced distortion, and smoother frequency response.
- The rugged, acoustically superior enclosure is constructed from 19 mm (.75 in) MDF (Medium Density Fiberboard) using advanced adhesives and mechanical fastener technology for extreme durability and improved low-frequency performance.
- Sonic Guard™ protects the high frequency driver from excess power without interrupting the performance.
- Non-resonant, all-steel handles are used.
- Attractive 18-gauge perforated, steel grille protects components from damage.

### SPECIFICATIONS<sup>^</sup>

<b>Power Rating</b>	500 W / 2000 W
<b>Frequency Range (-10 dB)</b>	42 Hz - 18 kHz
<b>Frequency Response (±3 dB)</b>	62 Hz - 13 kHz
<b>Sensitivity (@1m)</b>	100 dB SPL (1w/1m)
<b>Nominal Impedance</b>	4 ohms
<b>Recommended Amplifier Power</b>	500 W to 1000 W into 4 ohms
<b>Maximum SPL</b>	133 dB
<b>Nominal Dispersion</b>	90° x 50°
<b>Crossover Frequency</b>	2.2 kHz
<b>Dimensions (H x W x D)</b>	1092 mm x 464 mm x 426 mm (43 in x 18.3 in x 16.8 in)
<b>Weight</b>	42.6 kg (94 lb)
<b>High Frequency Driver</b>	JBL 2414H-C , 1" exit compression driver mounted on Progressive Transition™ Waveguide
<b>Low Frequency Driver</b>	JBL M115-8A x 2
<b>Input Connectors</b>	Neutrik® Speakon® NL-4 (x1); .25 in TS phone jack (x1); parallel

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**Two-channel, 4Ω Power Amplifier technical Specifications**

Frequency Response	20 Hz - 20 kHz, +0/-1 dB (at 1 watt)
THD	<0.5%, 20 Hz - 20 kHz
Intermodulation Distortion	=/ <0.35% (60 Hz and 7 kHz at 4:1 from full rated output to -30 dB)
Slew Rate	>10V/us
Voltage Gain	33 dB
Damping Factor	(8 ohms, 10 Hz to 400 Hz) >200
Signal To Noise Ratio (A-weighted)	>100 dB
Crosstalk (below rated power) 20 Hz to 1 kHz	-75 dB, -59 dB
Input Sensitivity	(for full rated power at 8 ohms) 0.775V or 1.4V
Input Impedance (nominal balanced, unbalanced)	20kΩ, 10kΩ
AC Line Voltage and Frequency Configurations Available	(+10%) 120V~60 Hz; 220V~50/60 Hz; 230-240V~50/60 Hz
Dimensions	19" x 3.5" x 12.4" (48.3cm x 8.9cm x 31.5cm)
Weight	29.7lbs (13.5kg)
IEC Power Connector	15A

**MIC WITH WIRE**

**Technical Specifications**

General	Audio frequency bandwidth	20 to 20000 Hz
	Equivalent noise level	13 dB-A
	Sensitivity	20 mV/Pa
	Signal to Noise	81 dB-A
	Preattenuation Pad	-20 dB
	Bass cut filter	160 Hz
	Electrical impedance	200 Ohms
	Recommended load impedance	1000 Ohms
Powering Interface	Voltage	9 to 52 V
	Current	2 mA
Audio Output	Type	Balanced XLR
	Gender	Male
	Contacts	3-pin
Design	Finish	matte grayish blue
Dimensions / Weight	Width	56 mm
	Height	160 mm
	Net Weight	280 g



## MIC WIRELESS

### Technical Specifications

General	Audio frequency bandwidth	70 to 20000 Hz
	Sensitivity	2.6 mV/Pa
	Electrical impedance	600 Ohms
	Recommended load impedance	2000 Ohms
	Polar Pattern	supercardioid
Audio Output	Type	Balanced XLR
	Gender	Male
	Contacts	3-pin
Design	Body	Metal
	Finish	dark stage blue
Dimensions / Weight	Length	185 mm
	Diameter	51 mm
	Net Weight	320 g

### Terms & Conditions:

- a) **Rates:** Rates shall be written in figure as well as in words (English).
- b) **No hidden cost.**
- c) **Maintenance:** - As per firm policy.
- d) **EMD :** Rs 15000/- (In favour of "Secretary PSOI" Payable at New Delhi in form of Demand Draft/Banker Cheque/Pay Order )
- e) **Delivery & Installation:** - **7 Days from the date of issue of work order.**

Quotationer is requested to read the specifications and other terms and conditions carefully and make offer very clear and specific in all respect. **The quotation with any condition would be rejected out rightly.** Any ambiguity noticed in the quotation will rendered not eligible and will therefore be ignored without making any further reference even if the firm may emerge the lowest quotationer.

### Bidder Qualification

The "Bidder" as used in these quotation documents shall mean the authorized signatory who has signed the Quotation Form. The Bidder may be either the service provider for which price is quoted on the Bid Form or his duly authorized representative, in which case he shall submit certificates of authority. The terms Bidder, Supplier, Contractor and Firm have been used interchangeably in this document.

### Period of Validity of Bids

Quotation shall remain valid for 90 days after the date of opening prescribed by the Purchaser. A quotation valid for a shorter period is liable to be rejected by the Purchaser.



### **Signature of Bids**

The Bidder's name stated on the proposal shall be the exact legal name of the firm.

### **Award of Contract**

Prior to the expiry of the period of bid validity, the Purchaser will notify the successful bidder in writing that its bid has been accepted. The letter of award will constitute the formation of the Contract.

### **Termination for Default**

The Purchaser may without prejudice to any other remedy for breach of contract, by written notice of default sent to the Bidder, terminate the contract in whole or in part.

- If the Bidder fails to deliver any or all of the Goods within the time period(s) specified in the contract.

Or

- If the Bidder fails to perform any other obligation(s) under the contract.

### **Force Majeure**

The Bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if the delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure. For purposes of the clause, "Force Majeure" means an event beyond the control of the Bidder and not involving the Bidder's fault or negligence and not foreseeable. Such events will include wars, revolutions, fire, floods, epidemics, quarantine and freight embargo's.

### **Termination for insolvency**

The Purchaser may at any time terminate the contract by giving written notice of 30 days to the bidder, without compensation to the bidder, if the bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right to action or remedy which has accrued or will accrue thereafter to the purchaser.

### **Governing Law**

This Contract including the Contract Documents shall be governed by and construed in accordance with the laws of India and the New Delhi Courts shall have jurisdiction in this regard.

### **Risk & Costs**

If the bidder backtracks to carry out any/all services under scope of work then PSOI has the right to award the same work on his risk & cost to one of the bidders participating in the bids or from open market. It will also

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result in cancellation of award, forfeiture of EMD and encashment of Performance Bank Guarantee without assigning any reason to the firm.

### **Copyright**

All rights including the Intellectual property rights subsisting in any material including to any tools, utilities or methodologies belonging to the Supplier and used to perform the obligations under this Agreement and any additional or new inventions made in the course of performance of services hereunder by the Supplier shall remain vested with the PSOI.

### **Sub-Letting of Contract**

**The contractor shall not sublet, transfer or assign the contract or any part thereof without the written permission of the PSOI, in the event of the contractor contravening this condition, the PSOI, shall be entitled to place the contract elsewhere on the contractor's account and at his risk and the contractor shall be liable for any losses or damage which the contractor may sustain in consequence or arising out of such replacing the contract.**

### **Liquidated Damages**

If the supplier fails to deliver any or all the Goods or perform the services within the time period specified in the contract or leaves the job incomplete or refuses to complete the work or takes more time than the schedule fixed, the Purchaser shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, (not by way of penalty) a sum equivalent to 0.5% (half) percent of the price of the contract price or each and every week (part of a week being treated as a full week) of delay until actual delivery or performance, up to a maximum deduction of 10% (Ten percent) of the total contract price.

### **Transportation**

The Bidder/Supplier shall be required to meet all transport and storage expenses until delivery, installation/ implementation and during currency of the contract at PSOI sites in Delhi.

### **Future Updates**

The Bidder/Supplier is required to provide, install and commission software up gradations/ enhancements from time to time, during project duration free of cost to Purchaser. Any up gradation in application shall be made available to PSOI without any additional.

All the incidental expenses for making systems operational will be the sole responsibility of vendor without any additional cost.

### **Proprietary Rights**

The Bidder/Supplier shall indemnify the Purchaser against all third party claims of infringement of patent, copyright, trademark, license or industrial design rights and other intellectual property rights, material



piracy arising from use of the goods or any part thereof in the Purchaser's country.

**Assignment**

The supplier shall not assign, in whole or in part its obligations to perform under this contract, except with the Purchaser's prior written consent.

**Performance Security Deposit**

The contractor shall have to give Security Deposit along with the acceptance of work order, which shall be equal to 5% of the total work order amount to PSOI within 15 days of notification of award. The security deposit can be in the form of Bank draft/ Demand Draft/ Banker's Cheque/ Fixed Deposit Receipt drawn in favour of the, "Secretary, PSOI" or Bank Guarantee valid up to 1.6 years from the date of work order as per NDMC format. Bid security should be refunded to the successful bidder on receipt of Performance Security.

**Arbitration**

**In the event of any dispute or differences arising between the contractor and the NDMC in connection with this contract, the same shall be referred to the sole arbitration of the Chairperson, NDMC or his nominee whose decision shall be final and binding on both the parties to this contract. The arbitration proceedings shall take place at Delhi and courts at Delhi shall have jurisdiction over the matter. The contract shall be interpreted in accordance with the Indian laws.**

**Amendments**

No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties.

**Payment Terms**

100% Payment may be released after successful Supply, installation and customization of 55" LED TV and sound system.

**Secretary (PSOI)  
Tel: 011-41501383**





**PRICE SCHEDULE**

S.No.	Item	Qty.	Brand/Model	Unit Rate	Total Amount
1.	LED TV 55'	03			
2.	Amplifier	01			
3.	Mixer	01			
4.	Equalizer/Processor	01			
5.	Speaker 15" two way	01			
6.	Subwoofer 18"	02			
7.	Mike Cordless	02			
8.	Mike with cord	02			
9.	Connector	01			
10.	Speaker wire	30 mtr			
<b>Amount</b>					
<b>Applicable Taxes @      %</b>					
<b>Total Amount</b>					

(Total in words .....)

(Signature of Bidder)  
Date;- Oct 2016

**Note;-**

- 1) The supplier should quote the tax amount separately with rate Of tax.
- 2) The amount should be written in figures as well as in words. The figures written in the words will be final in case of difference in the words and figures.
- 3) The supplier should quote the Brand & model being offered.

