

No.A/02/010/2016-NISE

National Institute of Solar Energy

(An autonomous Institute of Ministry of New & Renewable Energy)

Gwal Pahari, Faridabad-Gurgaon Road, Gurgaon 122003, Haryana

PH: 0124-2853051

Email: nise.mnre@gmail.com

ADDENDUM TO TENDER FOR AUDIO SYSTEM (WIRED) IN SURYA BHAWAN, NISE

Reference tender document of even number for supply, installation & commissioning of Audio System (wired) for Surya Bhawa at National Institute of Solar Energy located at Gwal Pahari, Faridabad-Gurgaon Road, Gurgaon (Haryana) with the last date of receipt of bids at 01:00 PM 31st May, 2016.

There are additional requirement of visual and speaker facilities along with the abovementioned Audio System (wired) for Surya Bhawan. The technical specification for required visual and speaker facilities are given as under:-

Technical Specification Video wall, Speaker & Amplifier etc.						
S.N.	Description	Qty.	Technical specification	Unit	Qty.	Rate
1	Video Wall	01	Fully Functional Video wall LED Monitor 110 " (4 X 55"), panel type IPS, 1920X1080 (FHD), brightness 500cd/m2 , dynamic contrast: 400000:1 or more, display color: minimum 8 bit-16 million, response time :<=12ms(G to G), viewing angle : 178x 178 degree, maximum 3.5 mm beezeel at any point , certification safety-UL/BIS, EMC-FCC environment energy star 6.0, 4x4 HDMI switcher with audio De-embedder, Full functional wall mount kits with complete cable sets	Nos.	01	_____

			HDMI to DVID/DP ,HDMI/VGA cable set , HDMI/VGA splitter 1:4 with installation			
2.	Ceiling Speaker	08	Frequency Response (+/-3 dB) 95 Hz - 17 kHz Frequency Range (-10 dB) 80 Hz - 19 kHz Nominal Dispersion 140° conical Long-Term Power Handling 16 W (64 W peak) Sensitivity (SPL / 1 W @ 1 m) 84 dB SPL Maximum SPL @ 1 m 96 dB SPL (102 dB SPL peak) Nominal Impedance 8 Ω (transformer bypassed)	Nos.	08	_____
3.	Rack	01	15 U Rack with wheel and all other accessories/ Wall mounted as per requirements	Nos.	01	_____
4.	Amplifier	01	Amplifier Power 2 x 50 W @ 4 Ω, 2 x 25 W @ 8 Ω Frequency Response integrated zone amplifier: 60 Hz - 20 kHz (+0/-3 dB, @ 1 W reference 1 kHz) THD+N integrated zone amplifier: ≤1 % (at full rated power)	Nos.	01	_____

			Dynamic Range integrated zone amplifier: 88 dB Built-in Loudspeaker EQ Bose DS 16, No EQ Input Channels Mic/Line Inputs: 1 Balanced mic/line Line Inputs: 2 Unbalanced line Page Inputs: 1 Balanced mic Auxiliary Input: 1 Unbalanced line			
5.	Audio Speaker Cable	300 mtrs	Heavy Duty Shielded Copper wire	meters	300 mtrs	
6.	HDMI & VGA Cables	01	Cable enables a high quality visual and audio experience for a pristine picture and excellent sound quality (supported hardware required)	Nos.	01	
7.	Wireless Hand Held & Colar MIC with Mixer	1	Mixer 2 Mic / Line + 2 Stereo Line Inputs <ul style="list-style-type: none"> • 3 Band EQ per channel • Rotary control knobs per channel • Delay EFX on board & FX send per channel. • Dual 10 Segment L/R LED meter for master level. • Stereo RCA CD In & Out with Control. • L/R Pan Pot & Clip LED per Channel • Headphone output with control • Balanced 1/4" Jack Master outputs. MIC. • UHF Band frequency by PLL-Synthesis Technology	Nos.	1	

			<ul style="list-style-type: none"> • 8 Selectable UHF Channels • Double noise squelching circuit to ensure excellent sound quality • LED for Channel information Display • Highly efficient & Low Energy consumption design 			
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Please ensure the compliance of “Technical Specifications” before submission of the bids.

*** The bidder must have the authorized certification of the manufacturers***

The bidders who have already submitted their bids may like to submit bids for the additional items within the enhanced stipulated date i.e. on or before 01:00 PM, 3rd June, 2016. The scope of work will be extended as per the following details:-

- a. Supply of audio and visual equipment.
- b. Supply of accessories related to installation of audio and video equipment.
- c. Installation of audio and video equipment including wire connections.
- d. Programming & demonstration of audio and visual system.

The remaining terms & conditions of the tender will remain the same. However, bidders are advised to go through the whole tender document before submission of the bids.



NATIONAL INSTITUTE OF SOLAR ENERGY
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GURGAON

NOTICE INVITING TENDER

Sealed tenders are invited by office of the Director General, National Institute of Solar Energy from:-

1. Smart Grid solution providers having an annual turnover of not less than 1 CR during the last three years for supply, installation, testing and commissioning of LT & HT Panels also essentially having experience of at least 500 kWp of Micro-grid with experience of integrating PV, Battery, Grid and Diesel Generator set (As a single project). **One No. of New LT Panel at Old Building, and Modifications of one no of existing Lt Panel in New Building (Surya Bhawan), and source and load control with SCADA and other required hardware** as per the technical specifications & standards given in the tender document.
2. Reputed agencies who have past experience for supply, fabrication, installation & commissioning of **motorized roller blinds** at National Institute of Solar Energy, Gurgaon.
3. Reputed suppliers of electrical components for supply, installation & commissioning of 40 nos. of **intelligent door locking system with Energy Saving unit with switches** at NISE, Gurgaon.
4. Reputed suppliers of Audio-visual equipment for supply, installation & commissioning of **Audio System (wired)** for Surya Bhawan, NISE, Gurgaon.
5. Reputed civil maintenance contractor for **waterproofing and repair works** at Guest House and Aditya Bhawan in NISE, Gurgaon.

The detailed tender documents giving specifications can be downloaded from NISE Website: www.nise.res.in.

Sealed tenders shall be submitted after site visit for the specific tender in two parts i.e. Part-I containing Technical Bid along with Demand Draft for EMD (if required in tender), and Part-II containing only commercial invoice in a separate sealed envelope, super scribed as commercial bid. Both the technical and commercial envelopes should be kept in large size sealed envelope super-scribed as tender for "name of tender" and addressed to: Dr. O.S. Sastry, Director General, National Institute of Solar Energy, Gurgaon – Faridabad Road, Gwal Pahari, Gurgaon 122003, Haryana, India. The bidders may submit their tenders by post or by dropping it in the tender drop box located at the reception counter of NISE Gurgaon. Closing time and date for receipt of bids at NISE is given in respective tender document.

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Sealed tenders are invited from reputed suppliers of audio-visual equipment for supply, installation & commissioning of Audio System (wired) for Surya Bhawa at National Institute of Solar Energy located at Gwal Pahari, Faridabad-Gurgaon Road, Gurgaon (Haryana). The details & technical specifications are as follows:

- Instruction for submission of bids**

Company profile	Company/agency should be a reputed supplier of subject items and should have experience in same or identical job work mentioned in tender document. A brief introduction of company along with registration certificate shall be appended with quotations.
The company/representative(s) of the company must visit the campus before submitting the bids.	
Earnest Money	Rs.50,000/- only (refundable to the unsuccessful bidders without any interest) by Demand Draft drawn in favor of "National Institute of Solar Energy" payable at Gurgaon. The successful bidder shall have to furnish Security Deposit of 10% for the contractual amount. **Bidders who are exempted from submission of EMD shall provide the relevant certificate**
Last date for submission of bids	1.00 P.M. on 03/06/2016
Date of opening of technical bids	3.00 P.M. on 03/06/2016.
Date of opening of commercial bids	The time and date for opening of commercial bids will be intimated to the technically qualified bidders.
Submitting of Tenders	Sealed tenders shall be submitted in two parts i.e. Part-I containing Technical Bid along with Demand Draft for EMD, and Part-II containing only commercial invoice in a separate sealed envelope, super scribed as commercial bid. Both the technical and commercial envelopes should be kept in large size sealed envelope super-scribed as tender for "Audio and

	Visual System for Surya Bhawan” and addressed to: Dr. O.S. Sastry, Director General, National Institute of Solar Energy, Gurgaon – Faridabad Road, Gwal Pahari, Gurgaon 122003, Haryana, India. The bidders may submit their tenders by post or by dropping it in the tender drop box located at the reception counter of NISE Gurgaon
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****Bidder found not complying with the instructions shall be summarily rejected.****

S.N.	Description	Technical specification	Unit	Qty.	Rate
1	Boundary Layer Microphone	<p>On table boundary layer microphone should have following specification: Frequency response: 40 Hz – 20 kHz or better Max. sound pressure level: 140 dB or more Transducer principle: pre-polarized condenser microphone Pick-up pattern: cardioid Acoustics: boundary layer microphone LED light ring: red / green Microphone modes: Toggle on/off Push to mute & Push to talk</p>	Nos.	24 unit	_____
2.	DSP for Boundary Layer Microphone	<p>SITC of 12 AEC Inputs and 8 Output DSP with inbuilt USB Audio port for upto 8 channel audio recording in a PC or laptop. The DSP Should support Digital Audio Networking with AVB for connecting multiple units together. The DSP shall support Ethernet connection for programming and control on a RJ-45 connector. The DSP shall include 4 channels of General Purpose Input and Output connection (GPIO) for sending or receiving logic signals. The programming of the GPIO ports shall be software configurable. The DSP shall include a RS-232 connection for control data transmission and such operation shall be software programmable.</p>	Nos.	02 unit	_____
3.	Audio Cable	Copper Heavy three Core Shielded wire for Mic.	Rolls	08 Roll	_____

4	Audio connectors Audio Cable	Heavy Duty Audio Connector integrated with boundary Microphone 15 XLR-mini Female connector	Nos.	24 units	_____
5	Rack 19" 9U Along with all standard accessories	Rack 9U for housing products consisting of the following specifications:- Castor with Break (set of 4 pcs) 1U Cantilever Tray Fan 90 CFM 23 VAC Power Distribution unit 6 points 5 AMP R/P 1U Blank Panel MS 1U Vent Plates Mounting Hardware (Pkt of 5 Pcs.)	Nos.	1 unit	_____
6	Installation & Programming	Implementation services includes – Design, Engineering , Labour , Installation , Testing and commissioning and training to users at the site to set the systems up and operate the same. And Programming for Audio and Control	Nos.	1 unit	_____

Please ensure the compliance of "Technical Specifications" before sending the quotation. The terms and condition of the Job are mentioned below:

Terms & Conditions:

1. **Quotation:-** Price to be quoted separately as per the proforma given above;
2. **Scope of Work:-** The scope of work would include the following:-
 - e. Supply of audio equipment.
 - f. Supply of accessories related to installation of audio equipment.
 - g. Installation of audio equipment including wire connections.
 - h. Programming & demonstration of audio equipment.
3. **Delivery & Installation:** Material to be delivered within 10 days & installed within 1 month of issuing the Work Order as per the specifications. Payment shall be released as per actual quantity supplied, installed and commissioned.
4. **Warranty:-** The material supplied shall be covered under standard warranty.
5. **Payment :-**
 - a. Invoice shall be submitted by the company after the completion of job work and taxes such as VAT and service tax shall be mentioned clearly in the invoice.
 - b. 100% payment will be made after satisfactory delivery, installation, commissioning, inspection and acceptance of the job work.
6. **Dispute settlement:-** In case of any dispute, the decision of Director General, NISE will final and binding on both parties.

Sealed tenders shall be submitted in two parts i.e. Part-I containing Technical Bid along with Demand Draft for EMD, and Part-II containing only commercial invoice in a separate sealed envelope, super scribed as commercial bid. Both the technical and commercial envelopes should be kept in large size sealed envelope super-scribed as tender for "Audio and visual System for Surya Bhawan" and addressed to: Dr. O.S. Sastry, Director General, National Institute of Solar Energy, Gurgaon – Faridabad Road, Gwal Pahari, Gurgaon 122003, Haryana, India. The bidders may submit their tenders by post or by dropping it in the tender drop box located at the reception counter of NISE Gurgaon on or before 1:00 P.M. 3rd June, 2016.

Sd/-
Dr. O.S. Sastry
DG, NISE