

## **Office of the Principal, BOSE, Cuttack**

Tender Notice No. 3836 Date 16.11.2015

### **Tender for Furnishing of the High speed computer lab. and Smart Classroom of BOSE, Cuttack**

Sealed tenders are invited from reputed registered firms having PAN/TAN/VAT clearance certificate for furnishing / installation of the Computer Center (Package - I) and smart class room (Package -II) as per the given layout and specification. The tender document should include price as per the unit mentioned against each item including all materials to be used, indicating the tax components separately. The make and model of the materials to be used (Technical Brochures if any) should be mentioned against each. The last date of submission of tender from registered firms is **30.11.2015 at 3.00 PM**. And the same will be opened on the same date at 3.30 pm. The detail specification of the work is available in the Institute website [www.boseorissa.org](http://www.boseorissa.org). Interested firms may also visit the Institute within 10 am to 5 pm in all working day & obtain clarification if any within 29.11.2015.

The interested firms must submit the relevant documents related to the tax clearance as per Government norms. The tender shall be finalized considering the cost of individual items , nature of work quality and total cost of each package (in composite manner). The firms should submit the necessary documents related to it's previous experience of setting up computer center / smart classroom of similar type. All the items offered must be standard brand & proven products & already available in the market

An EMD amount to the tune of 1% of the bidding amount shall be deposited in shape of BD in favour of Principal, BOSE,Cuttack payable at cuttack by the bidder separately for each package.

The undersigned reserves the right to reject any part or whole tender without assigning any reason thereof.

Principal  
BOSE Cuttack

Memo no. 3837 Date 16.11.2015

Copy to Institution website & notice board/ DTET Notice board/ collectorate notice board for information of all concerned.

Principal  
BOSE Cuttack

#### **Draft Advertisement for paper**

**Tender for Furnishing of the Computer Center and Smart Classroom of BOSE, Cuttack**

Sealed tenders are invited from registered firms for furnishing of the Computer Center and Smart Classroom as per the given layout and specification by 30.11.15. The detail specification of the work is available in the Institute website [www.boseorissa.org](http://www.boseorissa.org).

**Detail Specification of work for the High Speed Computer lab of  
Computer Science & Engineering department, BOSE, Cuttack**

The detail work specification for the furnishing of the computer center (as per the enclosed layout ) is as detailed below.

**1. Civil / Furnishing Work for Computer Lab.**

SI No.	Nature of work	Unit rate to be quoted
1	Fitting of sliding glass window with aluminum framing.	Per sft
2	Fitting of laminated board door having aluminum frame with locking arrangement	Per sft
3	Fitting of White board for projection / demonstration	Per sft
4	Preparing of computer long table made of steel frame and good quality pre- laminated board of minimum 18 mm thick on the top ( as per the drawing & specification ) with pvc lipping.	Per table
5	Providing good quality chair with/without arm having 2" cushion having steel pipe/ square bar frame (as per the drawing enclosed or any other alongwith brochure).	Per chair
6	Providing and fixing of venetian blind vertical screen in windows	Per sft
7	Fixing a stand on the ceiling to house the LCD Projector	Per fix
8	Distemping the room with plastic paint having putty base with best quality finish in the desired colour.	Per sft

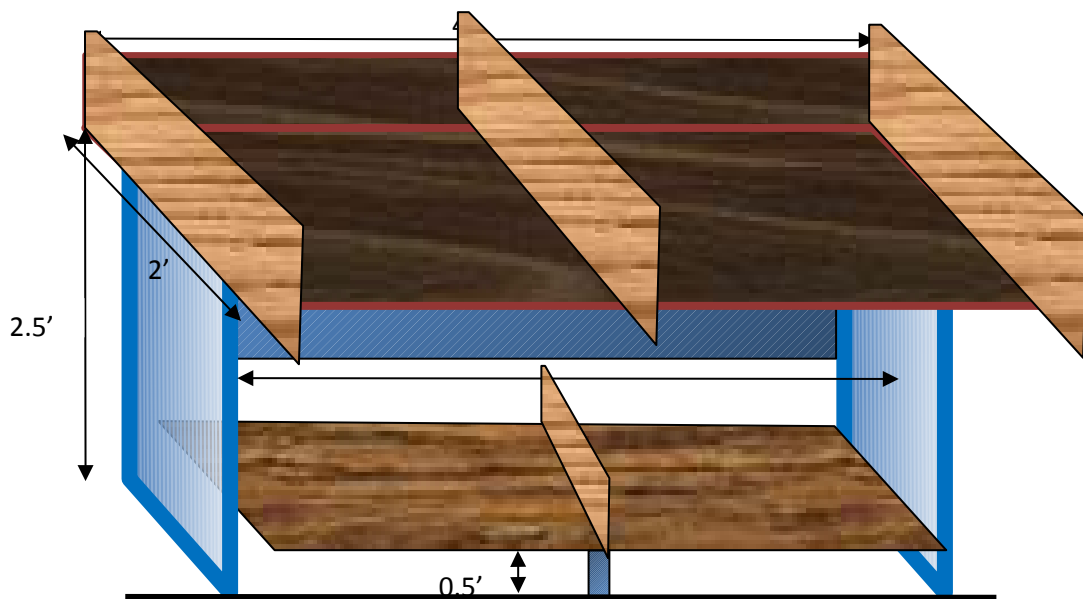
**2. Electrification / AC Work for Computer Lab.**

All the wires used in this work should be copper wire of reputed make. The wiring should be concealed / through flat chanel.

SI No.	Nature of work	Unit rate to be quoted
1	Making plate earthing using concealed copper wire in the computer center, along with all material to ensure that there is no leakage voltage. The earthing has to be done in the 1 <sup>st</sup> floor and the earth pit will be on the ground approximately 20 m away. The earthing should provide low resistance. Double earthing is to be done.	Total earthing
2	Providing and fixing power points(5amp X 4points in a fitting) for the computers and peripherals as per the enclosed wiring diagram with copper wire and good brand fitting (Cona/ Havel/ Philips/ or equivalent brand) including materials and labour.	Per point
3	Providing and fixing celing light (CFL / LED) from reputed brand, including labour charge. The light arrangement should be proper a;;owing the faculty to darken the presentation wall while still providing light to the student desktop.	Per fitting

4	Providing and fixing wall mounted fan from reputed brand, including labour charge.	Per fan
5	Providing 5/15 amp point for LCD projector and AC of reputed make fitting on the ceiling/ wall including labour	Per Point
6	Providing and fitting of at least 4 star 1.5 ton AC of reputed make.	Per AC
7	Providing and performing the flooring which should be anti-static to avoid electrical charge build up between user & equipments.	Per sft

### Sample Furniture for Computer Center



## **Detail Specification of work for the Smart Classroom at BOSE, Cuttack**

The detail work specification for the furnishing of the Smart Classroom (as per the enclosed layout ) is as detailed below.

### **1. Civil / Furnishing Work Smart Classroom**

SI No.	Nature of work	Unit rate to be quoted
1	Fitting of sliding glass window with aluminum framing.	Per sft
2	Fitting of laminated board door having aluminum frame with locking arrangement	Per sft
3	Providing and fixing of venetian blind vertical screen in windows	Per sft
4	Fixing a stand on the ceiling to house the LCD Projector	Per fix
5	Distemping the room with plastic paint having putty base with best quality finish in the desired colour.	Per sft

### **2. Electrification / AC Work Smart Classroom**

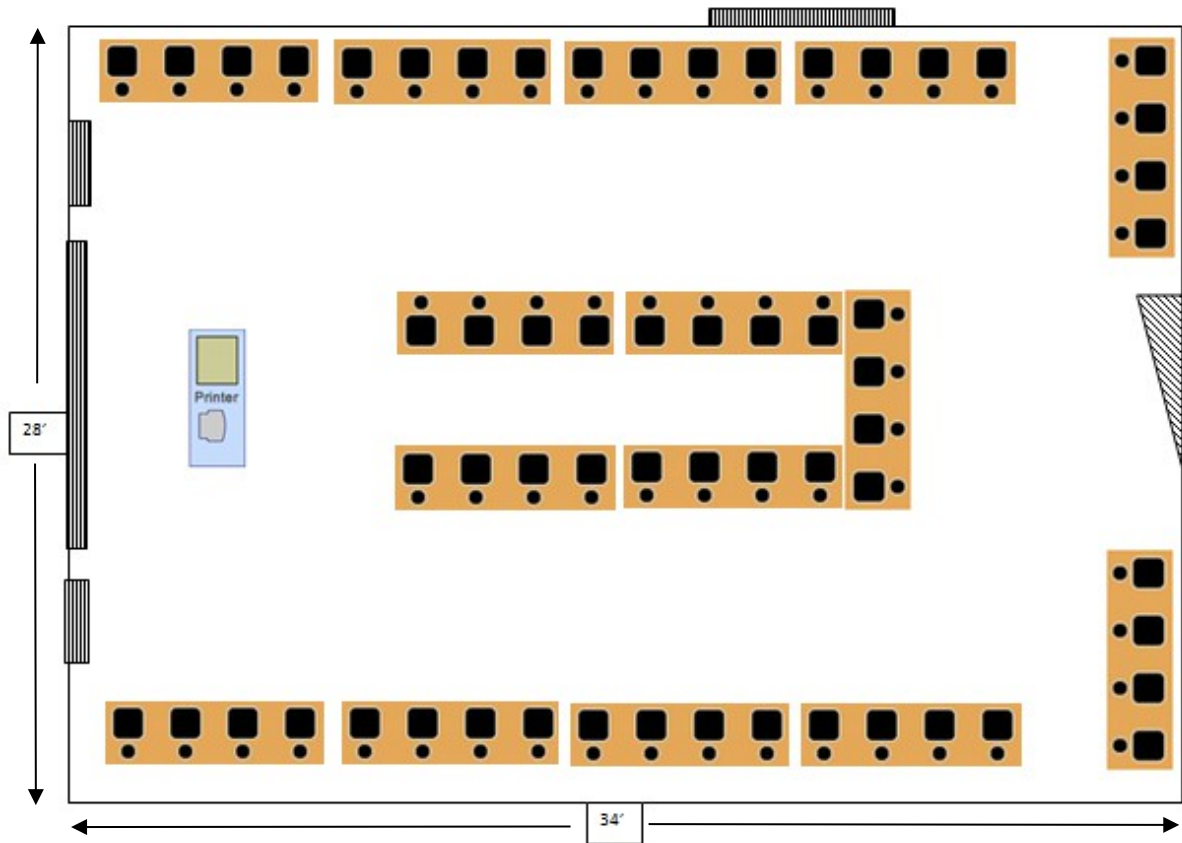
All the wires used in this work should be copper wire of reputed make. The wiring should be concealed / through flat chanel.

SI No.	Nature of work	Unit rate to be quoted
1	Making plate earthing using concealed copper wire in the computer center, along with all material to ensure that there is no leakage voltage. The earthing has to be done in the 1 <sup>st</sup> floor and the earth pit will be on the ground approximately 20 m away. The earthing should provide low resistance. Double earthing is to be done.	Total earthing
2	Providing and fixing power points(5amp X 4points in a fitting) for the computers and peripherals as per the enclosed wiring diagram with copper wire and good brand fitting (Cona/ Havel/ Philips/ or equivalent brand) including materials and labour.	Per point
3	Providing and fixing ceiling light (CFL / LED) from reputed brand, including labour charge. The light arrangement should be proper allowing the faculty to darken the presentation wall while still providing light to the student desktop.	Per fitting
4	Providing and fixing wall mounted fan from reputed brand, including labour charge.	Per fan
5	Providing 5/15 amp point for LCD projector and AC of reputed make fitting on the ceiling/ wall including labour	Per Point
6	Providing and fitting of at least 4 star 1.5 ton AC of reputed make.	Per AC
7	Providing and performing the flooring which should be anti-static to avoid electrical charge build up between user & equipments.	Per sft

### 3. List of Equipments / furniture with specification for Smart Classroom

SI. No.	Item Description	Tentative Quantity
1	Integrated Digital Podium (Detail specification & brand to be mentioned with warranty)	1 no.
2	Ultra short throw LCD Projector (Detail specification & brand to be mentioned with warranty)	1 no.
3	120" Moterized Screen with remote control	1 no.
4	HD Video conferencing system : System components- CODEC, HD PTZ camera Microphone and remote control	1 no.
5	Full HD 55" LED TV (Detail specification & brand to be mentioned with warranty)	2 nos.
6	Rack mounted HDMI Matrix switcher (Detail specification & brand to be mentioned with warranty)	1 no.
7	HDMI Audio DE-Embedder (Detail specification & brand to be mentioned with warranty)	1 no.
8	HDMI Twisted Pair Transmitter (Detail specification & brand to be mentioned with warranty)	1 no.
9	HDMI Twisted Pair Receiver (Detail specification & brand to be mentioned with warranty)	1 no.
10	All device control system with touch panel	1 no.
11	Server based Recording and streaming system with software	1 no.
12	5 KVA Online UPS with 60 minutes battery backup (Detail specification & brand to be mentioned with warranty)	1 no.
13	Table Goose neck Microphone	30 nos
14	Digital signal processor with front panel display for sound reinforcement with automatic mixture , matrix mixing. Power amplifiers with software.	1 set
15	Digital interfacing and all digital cable connectivity to integrate all equipment in the list	1 lot
16	Installation, configuring, integration , commissioning and training	1 job
17	Document camera (Detail specification & brand to be mentioned with warranty)	1 no.
18	Executive chair with laptop tray	30 nos
19	CCTV (Detail specification & brand to be mentioned with warranty)	2 nos
20	Laptop ( I Core i5 / 1 TB HDD / 4 GB RAM/ Windows pre loaded)	1 no.
21	Desktop PC with digital camera and Wifi support (I Core i7/ windows pre loaded) (Detail specification & brand to be mentioned with warranty)	1 no.
22	Laser printer (Detail specification & brand to be mentioned with warranty)	1 no.

## Lay out of High speed computing lab BOSE,Cuttack



## Layout Of Smart Classroom at BOSE,Cuttack

