



# TENDER DOCUMENT

For

Supply, Installation & Commissioning  
of Digital Smart Classroom based on Interactive Panel

Tender No. 12081

Date: 15.10.2023

DISTRICT EDUCATION OFFICE,  
BALASORE, 756001, ODISHA

**Instructions of Bid Submission:**

The Bidders are required to prepare their bids in accordance with the requirements and submit their bids in hard copy in sealed envelope within the given stipulated time and format.

More information useful for submitting bids may be obtained at: <https://baleswar.nic.in>

**Important Dates and Information**

Date of publication of Tender	: 16.10.2023
Last Date and Time for Receipt of Bids	: 07.11.2023 up to 05:30 PM
Date & Time of Opening of Technical Bids	: 08.11.2023 at 03:00 PM
Website	: <a href="https://baleswar.nic.in">https://baleswar.nic.in</a>

**TENDER FOR SUPPLY, INSTALLATION & COMMISSIONING OF DIGITAL SMART  
CLASSROOM BASED ON INTERACTIVE PANEL**

The District Education Officer (DEO), Balasore invites sealed tender in Two bid system (Technical & Financial bid in two separate envelopes) from eligible and qualified Original Equipment Manufacturers / Authorized Distributors of OEM/Authorized Dealers for the Supply & Installation of the smart interactive panel at Higher Secondary Schools/ Degree Colleges and High Schools site.

**Minimum Eligibility Criteria:**

1. The bidder should be an Authorised Partner of OEM. The bidder should submit Manufacturer Authorization Form (MAF) as per the format given in Annexure-III. **Consortium or Joint Ventures in any form are not allowed.**
2. The bidder must have valid GST Registration certificate and PAN card. *(Copies of same to be submitted).*
3. The bidder should have minimum average annual turnover of Rs. 02.00 Crores in last 3 (three) audited Financial Years (FY: 2020-21, 2021-22, 2022-23). *(Copies of last 3 years audited balance sheet with a CA Certificate with UDIN to be submitted).*
4. The bidder should have positive Net Worth in all the last 5 (five) audited Financial Years (FY: 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23). *(Copy of CA Certificate with UDIN to be submitted).*
5. The bidder should have experience of supply, installation, integration, testing, commissioning and successful completion of at least one project of Rs.5.0 Crore for smart class or IT Equipment(s) related projects with Government department / PSU. *(Purchase Order and Completion Certificate to be submitted).*
6. Income Tax Returns for last 3 years *(Copies of same to be submitted)*
7. The firm should not have been blacklisted or barred by any Deptt. of Govt., PSU, Autonomous Bodies. *(Attach self-declaration on the letter head of bidder)*
8. Bidder shall have a local office in Odisha for managing the warranty and maintenance support. If not, bidder shall give an undertaking to open the same within 10 days of award of contract.
9. The bidder should submit Manufacturer Authorization Form (MAF) from OEM of Interactive Panel and UPS as per the format given in Annexure-III.

**Criteria for Technical Evaluation:**

S. No.	Evaluation Criteria	Marks (100)	Maximum Score
1	The bidder should have minimum gross turnover of Rs.06.00 Crores in last 3 (three) audited Financial Years (FY: 2020-21, 2021-22 & 2022-23 ). (Copies of last 3 years audited balance sheet with a CA Certificate with UDIN to be submitted).	20	Average Annual Turnover: - 2 Cr/ each year = 20 Marks
2	The bidder should have positive Net Worth in all the last five 5 audited Financial Years (FY: 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23). (Copy of CA Certificate with UDIN to be submitted).	10	10 Marks
3	The bidder should have experience of supply, installation, integration, testing, commissioning and successful completion of at least one project of Rs. 5.0 Crore for smart class or IT Equipment(s) related projects with Government department / PSU. ( <i>Purchase Order and Completion Certificate to be submitted</i> ).	10	No. of Projects: - 1 Project = 10 Marks.
4	The preference shall be given to the bidder having experience in High School Transformation Programmes (Copy of the valid certificate to be submitted)	20	20 Marks
5	Presentation and Demo of proposed solution during technical evaluation.	40	40 Marks

Minimum Marks should be obtained by the bidder for qualification shall be 60 Marks then only their Financial bids will be opened.

**Documents Comprising the Bid:**

The bid shall consist of two separate envelopes, Part-A and Part-B.

**Part-A should contain:**

- i. Annexure- I : Bid Forwarding Letter
- ii. Annexure - II/A : Pre- qualification
- iii. Annexure - II/B : Compliances of Technical Specifications
- iv. Annexure –III : Manufacturer Authorisation From
- v. All documents in support of fulfilling the eligibility Criteria

- vi. Entire bid documents duly signed with corrigendum /amendments, if any by the authorized representative of the bidder.
- vii. Sealed envelope with superscription "TECHNICAL BID for Supply, Installation & Commissioning of Digital Smart Classroom based on Interactive Panel Items" - **PART "A"**.

**Presentation & Demonstration of the Product:**

The bidder shall make necessary arrangements for presentation and demonstration of the Interactive Flat Panel offered in the tender during evaluation of the technical bid.

**Part-B should contain:**

Price Bid only as per Annexure - IV.

Sealed envelope with superscription "PRICE BID for Supply, Installation & Commissioning of Digital Smart Classroom based on Interactive Panel and other Items" - PART "B".

The Price Bid should mention only price in the stipulated format attached with the bid document. The prices shall be filled up both in figures and in words. In case of any discrepancy, the price quoted in words, shall prevail. No overwriting or use of correction fluid shall be accepted. Any corrections shall be legible and signed by the authorized signatory. Conditional bids shall be rejected.

Both the sealed envelopes of PART "A" and PART "B" should be put in a separate sealed envelope with superscription on the top as "Tender for Supply, Installation & Commissioning of Digital Smart Classroom based on Interactive Panel Items" and sent through Speed Post or Registered Post to below address so as to reach on or before 07.11.2023 up to 05:30 PM. No documents received after the stipulated time period will be entertained.

**District Education Office (DEO), Balasore  
At/P.O./ Dist.- Balasore, 756001, Odisha**

Tenders received late/ incomplete in any respect are liable for rejection.

DEO, Balasore reserves the right to modify the conditions of the tender, at any time, without assigning any reasons for the same. DEO, Balasore reserves the right to accept/ reject any bid without assigning any reason whatsoever and at any time.

### **Evaluation of Bid Papers:**

The Technical Bid papers of the bidders will be evaluated only if Minimum Marks i.e. 60 obtained by the bidder for technical qualification and the Financial or Price Bid papers will be opened for successfully qualified technical bidders only.

### **Finalization of Agency:**

The agency having most responsive bid offering lowest price shall be selected for supply and installation of Interactive Flat Panel items.

### **Terms and Conditions:**

- 1) **Bid Validity:** Bid submitted by bidder shall remain valid for a period of 60 days from the last date of submission of bid.
- 2) **Adherence to Terms and Conditions:** The bidder who wishes to submit responses to this notice should note that they should abide by all the terms and conditions contained in the tender.
- 3) **Single Point of Contact:** The Bidder must provide details of Single Point of Contact viz, Name, Designation, Address, Email, Telephone / Mobile No., Fax No. etc. who can discuss and make correspondence with DEO, Balasore with regard to the obligations under the contract.
- 4) **Issuance of Purchase Order:** If the Selection Committee approves, DEO, Balasore will issue the purchase order for supply and installation of Interactive Flat Panel items as per the Scope of work mentioned in the tender document. The successful bidder is expected to complete the delivery, installation and commissioning within a period of 30 days from the date, the purchase order is placed.
- 5) **Payment:** Prices payable to the bidder includes all expenses for supply and installation at different educational institutes. GST applicable will be paid extra.
- 6) **Delivery and Installation Schedule:** The bidder should deliver and install the goods within 30 days from the date of placing purchase order. The bidder should take responsibility for safe delivery of the goods at the destination point as intimated by the District Education Officer, Balasore, including transportation up to destination with insurance. The bidder shall arrange the Road permit or any other document wherever required for transport & delivery of goods at destination point.
- 7) **Warranty & Support:** The warranty shall be on-site, comprehensive for a minimum period of three years from the date of installation.

- 8) **Sub-contracting:** The contractor shall not assign, sub-contract or sub-let the project to any other person.
- 9) **Payment Terms:**
- The concerned BDO will release 80% payment of total contract value after submission of bills and delivery challan.
  - 18% of payment will be released after submission of report on Installation and commissioning of interactive panel items.
  - 2% towards security will be withheld for a period of three years & it will be released after completion of 3 years of warranty period.
  - An advance payment up to 30% of contract value may be released on submitting bank guarantee for equivalent amount as mobilization advance to the selected bidder.
- 10) **Cancellation of Contract and Compensation:** DEO, Balasore reserves the right to cancel the contract in any of the following circumstances.
- If the Vendor commits breach of any of the terms and conditions of the contract.
  - If the progress regarding execution of the contract is found to be unsatisfactory.
  - No compensation will be paid for cancellation of the contract.
- 11) **Amendment to the Bidding Document:** DEO, Balasore reserves the right and sole discretion for inclusion of any addendum to the entire bid process. All corrigendum containing amendments to this tender will be posted on the website <https://baleswar.nic.in>. Bidders are advised to periodically check the website for regular updates.
- 12) **Resolution of any dispute:** In the event of any dispute arising, decision to resolve the issue will be taken by the Collector, Balasore and such decision taken by the Collector, Balasore will be final and binding on the bidder.
- 13) **Applicable Law:** The Court of Jurisdiction shall be Balasore for all such purposes.
- 14) **The order for the supply, installation & commissioning of digital smart classroom based on interactive panel items may be made to bidders other than bidder-L1 on the basis of suitability & negotiated price.**

  
15/10/2023  
District Education Officer,  
Balasore

**BID FORWARDING LETTER**  
(On the Letter head of the Bidder)

To  
The District Education Officer  
Balasore, Odisha, 756001

Sub.: Tender for 'Supply and Installation of Interactive Flat Panel items vide tender  
no.....

Dear Sir,

With reference to the above tender, I am / we are offering rates for the above work. I / we hereby confirm and declare that I/we have carefully studied the tender documents therein and undertake myself / ourselves to abide by the terms and conditions.

Yours faithfully,

(Signature of the Authorized Official with seal)

**ANNEXURE – II/A**

**TECHNICAL BID  
(PART- A: Pre- Qualification)**

Sl No.	Description	To be filled by Bidder and attach Relevant document in support of the data
1	Name of the firm	
2	Date of Incorporation: (Copy of Certificate of Incorporation should be submitted)	
3	Address of firm with Tel/ Mob No, Email ID	
4	Name and Designation of Authorized Person with Tel/Mob No./ Email ID to deal with DEO, Balasore.	
5	Cost of tender fee to be deposited by bidder towards participation in tender <b>-Rs. 10,000/-(Rupees Ten Thousand ) only</b> in the shape of Demand Draft drawn in favour of "District Education Officer Balasore" payable at Balasore which is non-refundable.	
6	EMD of <b>Rs. 15,00,000/-(Rupees Fifteen Lakh) only</b> to be deposited by bidder towards bid security in the shape of <b>TDR (Term Deposit Receipt)</b> drawn in favour of "District Education Officer Balasore" payable at Balasore.	
7	The bidder should have experience of supply, installation, integration, testing, commissioning, and successful completion of at least one project of Rs. 2.0 Crore for smart class or IT Equipment(s) related projects with Government department / PSU. (Purchase Order and Completion Certificate to be submitted).	
8	Minimum gross turnover of Rs.06.00 Crores in last 3 (three) audited financial years (FY: 2020-21, 2021-22 & 2022-23)/ minimum 2 crore in each financial year. (Copies of last 3 years audited balance sheet with a CA Certificate with UDIN to be submitted).	
9	The bidder should have positive Net Worth in all the last 5 (five) audited financial years (FY: 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23). (Copy of CA Certificate and UDIN to be submitted).	
10	Income Tax Returns for the last 3 years (copies of same to be attached )	
11	Valid GST Registration certificate and PAN card (Copies of same to be attached )	
12	Firm should not have been blacklisted or barred by any Dept. of Govt., PSU, Autonomous Bodies (Attach self – declaration on the head of bidder )	

13	The Bidder should have an office in Balasore for managing the warranty and maintenance support. Documentary Proof to be submitted or an undertaking to open the same within 10 days of award of contract.	
14	Experience Certificate in High School Transformation (Copy of the valid certificate to be submitted)	
15	Interactive Flat Panel OEM Criteria document	
16	ANNEXURE -I: Bid Forwarding Letter	
17	Duly filled Annexure -II/A and II/B	
18	Annexure - III: Manufacturer Authorization Form (MAF) from OEM of Interactive Flat Panel and UPS.	
19	The entire bid documents duly signed by the bidder with corrigendum/ amendments, if any by the authorized representative of the bidder	

Seal & Signature of the Bidder

**(PART-B: Technical Compliance)**

Make to be quoted:

Quantity: 432 no. of Interactive panels (approximate requirement)

**All Specifications****Interactive Flat Panel with 65" / 75" Diagonal Size:**

Finish and Sizes	Finish	Black
	Material	Aluminium/Zinc alloy
	Available Sizes	65" & 75"
Display	Display Type, Resolution & Refresh Rate	VA Ultra HD Display 3840*2160 (pixels) with 60Hz refresh rate,
	LED View Angle	Direct LED, HDR Display, with wide viewing angle of 178°(H) / 178°(V). Designed for Clear viewing even in compact spaces.
	Led Lifetime	LED lifetime of 30,000 Hours.
	Surface	Anti-Glare Matte AG finish Surface 3mm (65"") & 4mm (75"") Toughened Glass MoHS Level 7 hardness
	Contrast Ratio	1200: 1 (typ.)
	Brightness	Screen Brightness 350 nits (Max, without AG Glass), 300 nits (Typical)
	Touch Technology	Technology
Touch Points		20 Simultaneous touch points
Touch Resolution		32767x32767
Accuracy		±2mm
Response Time		6 ms (typ.)
Touch Object Size		≥ 3mm
Chipset	CPU:	ARM Cortex™ A55 Quad Core 1.4Ghz
	GPU:	Mali G52 MC1
Wireless	Bluetooth 4.0	Yes
	802.11 a/b/g/n Dual Band 2.4G and	Yes

	5GHz	
	Hotspot Support	Yes
Memory & Storage	RAM	4 GB
	Storage	32GB Onboard
Speakers	Stereo Speakers with Surround Sound	Front Facing, Hi-Fi, Stereo Sound output with 15W x 2, with 8Ω impedance.
		Bass reflex with dual passive radiators.
I/O Ports	Front :	USB 2.0 (2), HDMI (1), Touch USB (1), USB 3.0 (1)
	Side:	LAN IN (1), Speaker Aux (1), HDMI In (1), USB 3.0 (2), AV In (1), AV Out (1) SPDIF Out (1), Android USB (1)
Power Consumption	Voltage	Voltage: 100 V ~ 240 V/AC, 50/60 Hz
	Power	Max watt with OPS: 170W in 65" models, 400W in 75" Model
	Stand By	Stand-by: <0.5 W
Environment	Temperature	Working Temp: 0°C ~ 40°C , Storage Temp: Minus 10°C ~ 60°C,
	Humidity	Working Humidity: 20% ~ 80% RH Non-Condensing, Storage Humidity: 10% ~ 60% RH Non-Condensing
Accessories	In the box:	Remote, Power Cable, USB touch Cable, HDMI Cable (3M), User Manual, Warranty Doc, Wall Mount
Wireless Casting & screen Sharing	Native Support for Airplay & Miracast	Yes
	Multi- Device Casting	Up to 2 Devices simultaneously
Software	Take Student Attendance from Panel	Yes
	Assign Homework to students	Yes
	Student & parent app on Play store	Yes
Software Source Code	Panel OEM Owns IPR of Writing Software Source-Code	Yes
	Software Must be Developed in India	Yes

Security & Privacy Cloud Server location	Face/ QR code Unlock	-
	Writing Software & file sharing cloud server must be located in India	Yes
Multi-User Collaboration	Live Multi User Collaboration with Live cursor tracking	Yes
	Host Can manage and control Writing permissions	Yes
Teaching Software spec		<ol style="list-style-type: none"> <li>1. Ability to access online curated content curriculum for lessons creation</li> <li>2. Import documents &amp; multi-media in lessons, share lesson,</li> <li>3. Remotely Online collaboration with student on lessons, with Options to control which student has write access.</li> <li>4. Live Virtual Teaching using Audio &amp; Video on Lesson consuming less than 1Mbps bandwidth, with option to control enable &amp; disable Audio and video of remote students</li> <li>5. Conduct live chat, polling during live class.</li> <li>6. Take Student attendance for remote &amp; in class students.,</li> <li>7. Create and share assignments, tests, and get analytics &amp; insights of the student performance,</li> <li>8. Always Ready to Connect to smart devices, like mobile and tablets, receive files wirelessly from mobile devices.</li> <li>9. STEM Tools draw shapes, use math tools, like protractor and compass, solve equations and formulas, and simulate physics and chemistry lab experiments</li> <li>10. Whiteboard: Pen, colours, Highlighter and Eraser, Multi-background, Creativity Tools, Smart Draw, Shapes,</li> <li>11. Presentation Tools : Screen Curtain, Spotlight, Presentation mode</li> <li>12. Productivity Tools : Media import, (Docs, sheets, PDF, slides), Stopwatch &amp; Document Scanner, Snipping tool</li> <li>13. Built-in Chrome Browser for Secure and fast browsing experience, Built-in Office Viewer App. +</li> <li>14. Support for installing MS Office Apps</li> <li>15. Support for Android apk installation, Support for 3rd Party VC Apps like Microsoft Teams, Zoom, Google meet.</li> <li>16. Infinite canvas with multi writing and palm erasing gesture support, 5 finger touch to sleep/</li> </ol>

wake,

17. Auto Lesson Creation on Any Topic with NEP Guidelines

18. Auto Customised Lesson Plan based on Class Profile, & various levels

19. Auto Quiz Creation on Any Topic, with various level of Difficulty,

20. Auto Assignment & Home work creation on any topic.

21. Student and Parent notification on their App,

<b>Pre-Qualification Criteria for OEM</b>		
1	OEM participating in the Bid must have presence in India for at least 7 years and operating.	Company Registration Certificates
2	OEM majority shareholding must be owned by people of Indian origin. AND/OR OEM must not have any shareholding from any country that shares the border with India	Company Registration Certificates
3	OEM must have proven track record of supplying smart classroom solution in not less than 20,000 Classrooms Projects in India	Declaration on letter head along with PO copies
4	OEM of Interactive Flat Panel should have good exposure of Indian education ecosystem & should have rich experience of supplying in-classroom interactive teaching equipment across India & must have supplied in bulk 1. At least 3 Large Govt Projects with more than 3000 classrooms. 2. At least 5 Large Govt Project with more than 2500 Classrooms & 3. At least 10 Large Govt projects over 1000 Classrooms each	Declaration on letter head along with PO copies
5	OEM of Interactive Flat Panel must have their own Blended Learning Platform that must be offered along with the panel to enable the institute to run classroom smoothly wherein partial students will be inside the classroom & rest learning from home but can be able to access interactive teaching canvas simultaneously.	Software Brochure & Demo
6	OEM participating in the Bid must ensure the User's Data Security & Privacy: The OEM application servers and data hostage should be within the border of India for user's data privacy and security.	Declaration on letter head along with hosted Server location Snapshots
7	The Bidder/OEM participating in the bid must have service Centre Pan India and Toll-free no. in the support	Declaration with SLA
8	OEM must STQC/ERTL certification for the product	Certificate to be attached
9	OEM must have certification from BIS, ISO 9001, 14001, and must have ISO 27001 for Data Security compliance for the product.	Certificate to be attached
10	OEM participating in the Bid must own the complete IP and Source code of IFP whiteboard software & platform, software must be developed in India subject to audit.	Declaration on letter head along with Server location Snapshots
11	The Bidder/OEM participating in the bid must not have been blacklisted for fraudulent practices by any Central Government / State Government / Central PSU/ State PSU/ Government Undertakings / University/ Educational Institutions in India in the last three years and at the time of submission of the bid.	Declaration on Letterhead
12	3 years on-site Support by OEM	Declaration on Letterhead
13	OEM participating in the Bid must declare that the offered interactive panel and educational software belongs to the same OEM (software should not be sourced via some 3rd party) and will not be declared End-of-life within 5 years of installation.	Declaration on Letterhead

MAF from OEM in favour of bidder is an essential document else the bid will be rejected.

Place:

Signature of the Bidder:

Date :

Name , Address of the Bidder:

Telephone No:

Criteria for Bidders		
1	Bidder should have Minimum average turnover of 15 Crore for last 3 years	Audited Balance Sheet certified by Chartered Accountant
2	The Bidder Should have office in Orissa with trade license, GST etc.	Declaration on Letterhead
3	The Bidder Should have qualified and experienced technical staff for support.	Declaration on Letterhead
4	The Bidder Should have positive net worth in last 3 financial years	Audited Balance Sheet certified by Chartered Accountant
5	The bidder must have Manufactures Authorization certificate specific to this tender	Certificate from OEM
6	The Bidder Should have Experience of Similar work of single order having 80% of Project value or two orders 60% of project value or three orders 40% of project value in last 5 years	Declaration on letter head along with PO copies

Place:

Signature of the Bidder:

Date :

Name , Address of the Bidder:

Telephone No:

Email id, if any

**MANUFACTURER AUTHORIZATION FORM**

**(On the Letter head of OEM)**

To  
The District Education Officer  
Balasore , Odisha,756001

Dear Sir,

Sub: Manufacturer Authorization Form for Tender No.....

We \_\_\_\_\_ <OEM Name> having our registered office at  
\_\_\_\_\_ <OEM Address> are an established and reputed  
manufacturer of \_\_\_\_\_ <Product Details> do hereby  
authorize M/s \_\_\_\_\_ <Name and Address of the Partner> to  
offer their quotation and conclude the contract with you against the above invitation of  
tender.

We hereby extend our full guarantee and warranty as per terms and conditions of the  
tender and the contract for the solution, products/ equipment and services offered  
against this invitation for tender by the above firm and will extend technical support and  
update/ upgrades.

<OEM Name>

<Authorized Signatory>

Name:

Designation:

Date:

Seal:

Note: This MAF should be on the letterhead of the OEM and should be signed by a  
Competent and Authorized Person of OEM.

**PRICE BID**

(On the Letter head of the Bidder)

To,  
The District Education Officer  
Balasore, Odisha, 756001

Sub.: Submission of Price Bid towards "Tender for Supply, Installation & Commissioning of Digital Smart Classroom based on Interactive Panel Items"

Tender no. \_\_\_\_\_

Sl. No.	Item Description	Make and Model	Qty.	Amount (in Rs.) Rate to be quoted per unit item including transportation delivery, installation and taxes applicable. (Excluding GST applicable)		GST (%) Shall be quoted separately	Total price per unit (Rs)	
				In figures	In words		In figures	In words
1.	Interactive Flat Panel items with 3 (Three Years Warranty) as mentioned in the tender.							

Note: All price in INR only.

Place:  
Date :

Signature of the Bidder:

Name, Address of the Bidder:  
Telephone No:  
Email id, if any