

Supply & Installation of "Interactive Flat Panel-Digital Education Board" for Smart Class Rooms for High School Transformation under-5Ts

Important Dates

1	Date of hoisting of the bid document on website of District-Nuapada.	23/08/2021
2	Date for Download of the bid documents from website.	23/08/2021,(5.30 PM) to 31/08/2021(5PM)
3	Last date & Time for receipt of completed bid documents.	31/08/2021, 5 PM
4	Date & Time of opening of Bid document	03/09/2021, 11.00AM

Checklist of Documents

Sl. No.	Particulars of Item	Status (Yes/No)
1	Copy of valid Company Registration Certificate and GST Registration Certificate.	
2	Copy of audited balance sheet and profit and loss account for FY 2017-18, FY-2018-19, FY 2019-20, clearly indicating the turn over.	
3	Work experience certificate from authorized office not below the rank of Class-I Officer/ copy of work order/ copy of agreement in support of execution of similar nature of works.	
4	Proof of Experience/Contracts.	
5	Photo copy of the Income Tax Clearance Certificate /PAN card of the supplier/OEM etc.	
6	Original Money receipt/ Demand Draft as proof of cost of Tender paper.	
7	EMD @1% of the total bid value as put to tender in the financial bid by the bidder in shape of DD.	
8	Undertaking for capacity to deliver and onsite installation in stipulated time frame.	
9	Undertaking for not blacklisting.	
10	Undertaking for no pending legal cases.	
11	Bid Processing Fees of Rs 1,500 in shape of DD(Non-refundable).	
12	Proof of Original/Own Equipment manufacturing Unit.	
13	Authorisation certificate for channel partners from registered OEMs	
14	DIC Certification on production facilities.	
15	Bank Account Details (Self attested 1 st page of the Pass Book showing the details of the A/c holder & Blank-cancelled Cheque to be attached)	
16	Warranty Certificate in support of qualitative supply.	

PANCHAYAT SAMITI OFFICE, BODEN
Notice Inviting Tender

No. 2495 / Dated: 18.08.2021

Sealed Item rate tenders are invited in 'Double covers system' by Block Development Officer, Panchayat Samiti, Boden Nuapada from intended reputed Firms/Agencies/OEMs for Supply, Installation & Commissioning of (Interactive Flat Panel-Digital Education Board for Smart Class Room) to 01 no.. of High School under Boden Block as per specifications in the tender notice under "5Ts High School Transformation Programme" of Govt. Of Odisha for the year 2021-22, having valid GST certificate, PAN card and required test certificates in conformity with the detailed tender call notice.

The bid documents consisting of detailed specifications(Annexure-I), schedule of quantity and a set of terms and conditions and also other necessary documents required to be submitted along with the bid document can be seen and downloaded till 5.00pm of the last date of sale of bid documents which is available in the district portal <http://nuapada.nic.in>. The bids downloaded from District portal must be submitted with tender paper cost of Rs.6720/-(Cost of Tender Paper-Rs.6000 + 12% GST-720/-) (Rupees Six Thousand Seven Hundred Twenty) only in shape of demand draft (non refundable) in favour of BDO Boden, payable at SBI, Boden otherwise the bid will be liable for rejection.

Bids must be accompanied with required EMD @1% of the total bid value as put to tender in the financial bid by the concerned bidder in shape of demand draft, duly pledge in favor of BDO Boden payable at SBI, Boden . Bids without E.M.D or in other shape will not be considered and liable for rejection. The EMD of the unsuccessful bidders shall be refunded.

Bidders are required to submit the Technical bids and Financial bids in separate sealed envelopes super-scribing "Technical bid" and "Financial bid" and finally enclosing in a large envelope super-scribing "Tender for Supply, Installation & Commissioning of (Interactive Flat Panel-Digital Education Board for Smart Class Room) For High Schools Under-"5Ts High School Transformation Programme" along with self attested photograph of the samples of the items requires to supply.

The bid documents are made available in the website from 23.08.2021, and closes on dated 31.08.2021 till 5 PM. The bid documents will be received up to 31.08.2021 till 5 PM through Registered/Speed post only. Tenders received through any other mode shall not be accepted. Bids will be opened on 03.09.2021 at 11.00 AM in the Office of the BDO, Boden in the presence of the bidder(s) and/or their authorized representatives. The financial bids of unsuccessful bidders who fails in technical bids will not be opened.

Tenders received after due date and time shall not be accepted. Panchayat Samiti, Boden shall not be held responsible for any postal delay or delay due to any other reason(s) beyond its control. The tenders/bids sent through electronic means / Courier shall not be accepted. Any corrigendum/addendum (if any) will be uploaded in the above-mentioned website.

The bids incomplete in any shape shall not be accepted at any cost and liable for rejection.

The Tender Committee reserves the right to accept/reject any or all tenders/bids without assigning any reason thereof.

For any queries, the undersigned may be contacted within office hour (10AM to 5PM) Except on Govt Holidays.

Address:- PANCHAYAT SAMITI OFFICE, BODEN
At/PO.- BODEN , DIST-NUAPADA
Mobile No:- 9938978799
Email-ori-boden@nic.in

Sd/- 18/08/2021
Block Development Officer,
Boden

Memo No. 2496 / Date 18.08.2021

Copy to Notice Board, Boden Block/ Office of the Collector, Nuapada/ P.D.,DRDA, Nuapada/All BDOs under Nuapada District for information and request to display the notice for wide publication.

Copy to DIO, NIC, Nuapada for uploading & hoisting the same in the District website.

Soft 18.08.2021
Block Development Officer,
Boden

SECTION-I

Scope of Work:-

Govt of Odisha would like to provide Computer Education and Computer Aided Education in the Government High schools in order to ensure/extends the benefits of digital era to nurture its students by providing e-platform. It is expected that it will enable the enhanced learning outcomes by concretising the fundamental concept of learning and also better results in schools. The project would have been funded under the "STs High School Transformation Programme" Mission of Govt of Odisha.

In this regard, BDO Boden is looking for a OEM/ System Integrator who is ready to work with for the specified purpose i.e Supply, Installation & Commissioning of **(Interactive Flat Panel-Digital Education Board for Smart Class Room)** for 01 no. of High School under Boden Block as per terms & conditions defined in the bid document. The brief scope of work involves:-

- I. The Projects are to be implemented on a turnkey basis in Schools. The successful bidder's responsibilities include supply, installation of Hardware and requisite software, Supply and Deployment and Training, and other allied accessories in the specified schools.
- II. The successful bidder will be maintaining and up keeping the supplied infrastructure at each location during the project period of 3 years. The bidder has to supply, install and maintain the infrastructure in each of the locations.
- III. The bidder will be responsible for training of teachers (minimum 5) per school. 5 days within 3 Months of establishment, 2 days follow-up after 6 Months of initial training in first year.
- IV. To impart Training of 10 days to 5 teachers per school of integrated computing device. The course will cover hardware handling, navigation of multimedia content and general troubleshooting.

SECTION-II

2. Pre-Qualification/Technical Evaluation Criteria:-

The bidder should meet the following pre-qualification/Technical Evaluation criteria:

- I. The bidder must be a registered company in India, registered under the Companies Act 1956 and should be in existence since last 5 years or more. Consortium in any form is not allowed.
- II. The eligibility of the Bidder will be judged basis its own or the OEMs credentials. Hence, in case of bidder is a channel Partner, the respective OEM has to authorize in writing on its letter head to allow the Partner in using its credentials for eligibility.
- III. OEMs / Channel partners of OEM's can participate in this tender. For execution of orders, OEM may declare in the Manufacturer's Authorization Form) its channel partners who will be treated as supplier.
- IV. The OEMs / Channel partners of OEM's should have executed at least Three single order of Value Rs. 25 Lakh (Rupees Twenty Five Lakh Only) each or more in last three financial years towards supply and installation of Interactive Flat Panel board and peripherals in Govt./ Semi Govt./ Board/ PSU.

- V. The OEM/ Bidder shall have implemented at least one similar project worth Rs. 25 Lakh or more in India. No document needed to be furnished.
- VI. The OEMs / Channel partners of OEM's should have presence in Odisha for last 5 (Five) financial years in the same area. Documentary evidence with self-attested is to be attached with the bid.
- VII. The OEM / Channel partners should have minimum 05 (Five) OEM certified hardware service engineers in Odisha. Name, Mobile no. Address of the service engineers are to be attached with the bid.
- VIII. The Bidder should have an annual average turnover of Rs. 50 Lakh or above in the last three financial 2017-18, 2018-19 & 2019-20 (Audited balance sheet along with CA certificate is to be submitted) and aggregate of turnover of last three financial years should be Rs. 1 Crores or above. The Bidder should have positive net worth in the last three financial years 2017-18, 2018-19 and 2019-20. Relevant CA certificate to be submitted.
- IX. The bidder should have executed a single project involving setting-up of Interactive Flat Panel Board for Smart class room, providing teacher training in at least 20 schools in preceding 3years.
- X. The Bidder should have not been banned / black listed as on date by any Government Agencies / Govt. Department/ Quasi Govt Department / PSU / Board/ council or similar organization on grounds of non-performance, fraud practice, and financial irregularities. A self declaration on the letterhead of the bidder duly signed and stamped by the Authorised Signatory to be submitted.
- XI. OEM should have valid ISO 9001/ISO 27001.
- XII. OEM should have existence in manufacturing, supplying installation and maintaining Interactive Flat Panel Board for Smart Classroom Solution for minimum 5 (Five) years. Copy of Work orders/Completion certificate should be submitted along with bid.
- XIII. Bidders must submit tender specific authorization from the OEM of each of the hardware items including the computing device, isolation transformer and UPS. Bids without such authorizations are liable to be summarily rejected.
- XIV. All hardware items must be quoted with 3 years on site comprehensive manufacturer's replacement warranty. All the Bidders should produce a certificate from the OEMs regarding their acceptance of responsibility of supply, installation and comprehensive maintenance of services during replacement warranty period.
- XV. Tender document must be submitted along with all the relevant documents. This is required to show that the bidder had accepted all the terms and conditions mentioned in this tender document.
- XVI. However, Block/District Authority preserves the right to evaluate the Bidder's performance through the report from any Govt. Department / Quasi Govt. Dept / PSU / Board Council or similar organization at their own discretion or ask the bidder to produce service satisfaction certificate from the customer base mentioned as per above criteria.
- XVII. Tender Specific Authorization Certificate for the supply, installation and maintenance during replacement warranty period from the OEM. The replacement warranty shall include all districts in Odisha.
- XVIII. Technical Brochures of "Items quoted" to be Printed and published in Brochure and / or Web site reference is essential (customized statement on OEM letterhead or likes is not acceptable).
- XIX. Details of service arrangement at all districts of Odisha to be provided.
- XX. The bidder should have valid documentary proof of GST registration and PAN registration number- Self-Certified Copy of PAN /GST registration.

bidder should submit (self-attested) documentary proof in support of each of the above conditions. The incomplete offers will be summarily rejected without any further correspondence.

As per O.M No.6725, Dt.22.06.2004 of Works Dept.Govt. of Odisha, an Affidavit to the effect in support of the Authenticity of the documents that are submitted by the bidder require to be furnished during submission of tender document.

Bidders who will qualify basis the above criteria may be called for a technical presentation in order to evaluate the technical understanding and capability of the bidders. Tendering authority has all the rights to reject or select the bidders for further evaluation.

- XXIV. The bidder shall submit a **Bid processing fees Rs 1500.00** (Rupees One Thousand Five Hundred)only (Non-refundable) in favour of BDO, BODEN in shape of demand draft payable at SBI, Boden
- XXV. The bidder shall submit **EMD @1% of the total bid value** as put to tender in the **financial bid** in shape of demand draft duly pledge in favor of BDO ,Boden from any Nationalised/Scheduled bank payable at SBI, Boden .
- XXVI. Tendering authority reserves the right to accept or reject any or all the offers without assigning any reason.
- XXVII. The offers are to be submitted to BDO, Boden Block.

IMPORTANT:- Samples of Items:-

The bidder shall come with & exhibit samples of item to be supplied in conformity with the specification (mentioned in the bid document) on the bid-opening day.

Note- All the documents must be self attested by the Bidders.

The authority will consider strictly on the basis of the quality/standard of sample of items exhibited by the bidders, which will be evaluated by the Tender Committee headed by the BDO, Boden PS.

If the Technical Bid of a bidder is found complete in all respect, then only the financial Bid of the respective bidder will be opened, otherwise Financial Bid will be returned to the Bidder without opening it.

Financial Bids -

Financial Bid must be submitted as per the format provided in this bid document. The Financial Bids only of the Bidders will be opened, whose samples are selected by the Technical evaluation committee..

Contract shall be awarded to the firms(s) offering the lowest price subject to the quality / brand to be decided by the committee.

GENERAL INSTRUCTIONS TO BIDDERS:-

- Interested bidders are advised to view / download the detailed tender document in the District website at <http://www.nuapada.nic.in>.
- Bidders desirous for participating in the tender shall have to pay the tender cost mentioned in notice inviting tender. The tender cost required to be paid in shape of Demand draft only, drawn from any nationalized bank in favour of BDO, BODEN which must payable at SBI, BODEN. The tender cost is inclusive of GST and is not refundable.

- Earnest money as specified in bid shall be deposited in shape of Demand Draft from any nationalized/scheduled bank in form at the time of submission of bid.
- EMD/Bid securities of the unsuccessful bidders shall be refunded to them within 03 weeks of the selection of successful bidder.
- The bidders shall submit copies of documents defining their respective constitutional or legal status, place of registration, place of Business Company or firm or partnership.
- Bidding firms are required to submit documents related to assignment of Power of attorney to sign the agreement on behalf of them they desire so.
- Bidding Partnership firms are required to submit complete partnership deeds along with the bid documents.
- The bidders shall submit reports on their financial standing such as audited profit and loss statements, balance sheet, Auditors report, banker's certificates for the past three financial years. All accounting statements must be duly audited and submitted along with auditor's note of accounts and accounting standards.
- The bidders shall submit information on their performance during last 3 financial years in proper format.
- The item to be supplied shall strictly comply with the specifications as mentioned in the bid, otherwise the material shall be liable for rejection.
- Since, timely execution of works is the essence of the contract, requests for extension of time for supply shall not ordinarily be entertained.
- Notice inviting tender, bid documents, prescribed Technical bid, financial bid, terms & conditions shall form the part of the tender.
- The price quoted by the Bidders shall be inclusive of all taxes, transportation and installation at the specified locations.
- Besides EMD, the bidder shall have to submit **Performance security i.e. 5% of the contract value** in shape of Bank Draft in favour of BDO BODEN drawn from any nationalized/scheduled bank, payable at SBI, Boden and it should be valid beyond 60 days after the expiry of all contractual obligations or warranty obligations.
- The EMD may be forfeited in case
 - i. The Bidder withdraws its bid within validity period of 30 days.
 - ii. The Bidder does not respond for clarification of bid.
 - iii. The Bidder fails to provide the required information during the evaluation process.
 - iv. The Bidder submits false information.
 - v. The Bidder fails to sign Agreement in time or does not furnish Performance Security i.e 5% of the Contract value.
 - vi. The Bidder materially alters his Bid stipulations during the Bid processing period.
- The undersigned will not be held responsible for any incidental or consequential losses of the firms while execution and till expiry of the period of maintenance.
- Deviations in terms and conditions, specification of material, inspection clause etc. will not be accepted under any condition.
- Prices quoted must be firm and fixed. It shall be quoted in both figure and word. It should be inclusive of GST, transportation cost.
- Conditional tender shall not be accepted.
- Canvassing in any manner will be viewed seriously leading to rejection of the bid.

For Supply, Installation & Commissioning of "Interactive Flat Panel-Digital Education Boards" for Smart Class Rooms

... that we have the capacity to supply the required items amounting to Rs _____ to BODEN
... for (02 nos. of Interactive Flat Panel-Digital Education Boards for Smart Class Rooms) as per the specification &
... requirement in a time frame of 15 days.

For and on behalf of:

Signature(with Seal)

To:

The Block Development Officer,
Boden

UNDERTAKING THAT THE FIRM/INSTITUTION IS NOT BLACKLISTED

We confirm that we are not blacklisted by any Government Institution/CPSE/SLPE/Local Authority.

For and on behalf of:

Signature (with Seal)

To:

The Block Development Officer,
Boden

Specification	Parameter
LG/SAMSUNG	Active Screen Size
	Resolution
	Aspect Ratio
	Backlight
	Brilliance
	play

...tion for Supply of "Interactive Flat Panel Board" for Digital Education of reputed brand like SAMSUNG/SONY/CYBERNETYX/TATA CLASSEGE/OPTAMA & similar qualitative brands

	Parameter	Specification	
Display	Active Screen Size	65"	
	Resolution	3840*2160	
	Aspect Ratio	16:09	
	Backlight type	D-LED	
	Brightness (typ.)/(min)	450 cd/m ² /nits	
	Contrast Ratio	1200:1	
	Viewing angle	178°	
	4K UHD resolution, Antiglare glass, Ambient Light sensor and cTUVus eye comfort certification for low blue light and flicker free.		
Touch Systems	Touch Points	20	
	Touch Tool	stylus or finger	
	Response Time	< 10ms	
	Accuracy	±1mm	
	Minimum object size	1.6 mm	
	Surface Hardness	4mm toughened glass with level 7 of Mohs Standard(Anti glare scratch resistance)	
I/O ports for Interactive Display	HDMI IN 2.0	2	
	HDMI OUT 2.0	1	
	USB ports	4 (2 x USB2.0 , 2 x USB3.0)	
	Touch Out	2 (Touch USB type B)	
	VGA In	1	
	Audio In	1	
	AV in	1	
	Audio Out	1(earphone out)	
	RS232 IN	1	
	RJ45 IN	1	
	LAN Ports	1	
Audio	Built-in Speaker	2*16W(Stereo)	
	Extra Speaker	Provision for 4 (or as per room size)	
Android System	Android version	Android 8.0	
	RAM	4GB	
	ROM	32GB	
	Graphics	Quad core Mali-G51	
	Wireless Connectivity	Bluetooth, Wi-fi	
Power Consumption	Power Requirements	100-240V AC	
	Standby Power	Stand-by Mode<0.5W	
	Power Consumption	Maximum<220W	
	Power Consumption Eco Mode	Eco<125W	
Built-in AI Enabled Microphone Features	No. of Built-in Microphone	Mic Array of 4 MEMS Microphones	
	Integrated Voice DSP Features	4- mic adaptive beam-former Full-duplex Acoustic Echo Cancellation (AEC) with barge-in support (up to 50dB att)	
		De-reverberation,	
		Automatic Gain Control (AEC)	
		VAD (Voice Activity Detection) and DOA (Direction of Arrival)	
Noise suppression (up to 15dB att.),			
Built in -AI Based Camera for	Camera Resolution	4K Sensor. support 4K UHD (3840 x 2160) Full HD (1920x1080) & HD (1,280x720)	

CBMS & Virtual Tutoring	Camera View Angle	110° Distortion-free wide angle, with Dynamic exposure adjust.
	AI Features	Face Detection.
		Auto attendance
		Analyze students' perceived attention
		Analyze students' emotional state, happy, enjoying, bored, sad etc.
OPS	Processor	Intel Core i5, 8250U, (6MB smart cache), 1.6GHz, Max Turbo frequency
	RAM	8GB DDR4 or above
	Storage	128 GB SSD + 1TB HDD
	OS	Windows 10 Professional
	Graphics	Intel USD graphics 620
	Wi-fi	(Dual Band 2.4 & 5.0) (802.11 ac)
	Connectivity	HDMI (1), USB 2.0 x4, LAN, Audio in, Speaker out

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Teaching Tools:
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Software Specification:

interactive software suite / Teaching App must be bundled with interactive panel with the following

- **Teaching Tools:**
 - Must have Mathematics tools (like Ruler, compass, and protractor)
 - Must have Writing recognition for complex Mathematical equations that even solves complex calculations
 - Must have Hand-Writing recognition in English words with suggestions.
 - Teaching app must be able to open office documents (like word, excel, PowerPoint and PDF) within the app,
 - Should be capable to annotate and take screenshot on any 3rd party applications running on Windows OS
- **Content Creation platform & Lesson Planning:**
 - Teaching app must have Built-In access to teaching academy with access to wide range of resources, curates for different curriculum
 - Built-in teaching assistant that can search for education content on any topic in the form of pictures, videos and text.
 - Teaching app must have built in Screen recording
- **Content Sharing & collaboration:**
 - Teaching app must be able to share lesson to all students with single button click
 - Should have built-in wireless mirroring function.
- **Provision for Students to attend classroom from anywhere**
 - Students should be able to collaborate on virtual whiteboard from their devices.
 - Student should be able to access lesson shared by teachers on their Android and iOS Device. And learn at their own pace and time.
 - Students should have access to Free educational resources to our other curriculums.
- **Provide Secure, Live virtual instructions**
 - using built-in video tutoring and audio tutoring functionality without depending on any 3rd party app.
- **Assign Syllabus or create customized curriculum**
 - Should be able to provide FREE Adaptive content for popular curriculums.
 - Should have Built in Cloud Search tool that provides educational search results.
 - Option to Create custom curriculum.
- **Create lesson plans and Publish to Cloud**
 - Built in content Authoring tool
 - Class Dashboard, to manage published and unpublished lesson
- **Create Assessments and automate grading process**
 - Should have built-in assessment module so that teachers can create Assessment from anywhere. And Create various different kind of question, like MCQs, Multi-select, true/false, Picture select, Text

- type etc.
- Assessment module should have AI enabled module for auto questions generation, any text or paragraph saving time for teachers.
- Students should be able to take assessment from anywhere, anytime.
- Should have feature to grade assessment automatically
- Assessment module must provide Insights & data so that timely action can be taken, and learning outcomes of students can be improved.
- Must have option to create individual student Profiles, which is powered by AI and can generate the learning path for the students and suggest a more relevant content as per student abilities.
- **Managing Attendance and Performance from one place**
 - Should be able to enrol, manage and promote students virtually,
 - Should be able to appoint and manage Teachers, and analyse their performance and attendance virtually.
 - Should be able to create and manage custom courseware
 - Should be able to classroom equipment of all classrooms remotely and get insights on their effective usage.
- **Broadcast Messages from School administration**

Partner shall make the proposal. The N. regard.

NB:-

1. All the Hardware should be with 3 years onsite comprehensive replacement warranty from the date of commissioning.
2. Wall Mounting & Installation to be commissioned by the supplier.
3. On-site Technical support for minimum 3 years.
4. As per requirement training to academic faculties to be imparted.
5. Bidders must provide the MAFs (Manufacturer's Authorization Form) for all the equipment's quoted in the proposal.
6. All the OEMs of the offered product/solution of the bidders must have their owned or authorized service/support centre operational for at least last 5 years or more in Odisha. Bidders are required to submit their undertaking supported with confirmation of OEM with details of such service centers in Odisha with contact person, mobile no, address, years of operation of the service centre, supported credentials/orders/customers satisfactory certificate.
7. OEM of Interactive products must have experience of supplying interactive teaching product / technology at least in 5 large projects (with order Qty > 1000 units) in Govt. Schools / colleges. (Proof required)
8. OEM must have minimum 10,000 or more classrooms deployment of Interactive teaching product / technology in India (Supportive doc required such as, Market Research Report or other documentary evidence etc)
9. 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 post COVID lockdown wherein partial students will be inside the classroom & rests learning from home but can able to access interactive teaching canvas simultaneously. OEM must have Blended Learning Platform and **Interactive Teaching software development centre** in India (Declaration required).

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any non-compliance of the above service/support centre of the OEMs or its authorized partner shall make the proposal as being unresponsive and may lead to disqualification of the proposal. The Nodal Agency reserves the right to take appropriate action in this regard.

Sd/- | 08.08.2021

**Block Development Officer,
Boden**