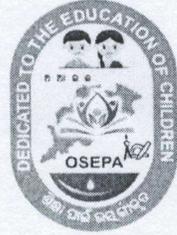




## DISTRICT PROJECT OFFICE, SAMAGRA SHIKSHA, JHARSUGUDA

[At. Collectorate Campus, Jharsuguda. Po. OMP Line, Dist. Jharsuguda, Pin. 768204]  
Phone No. 06645-274468 (O), E-mail:dpcjharsussa.opepa@nic.in



Letter No <sup>2409</sup> /PLG/24

Dtd.17.12.2024

### REQUEST FOR PROPOSAL (RFP)

Sealed quotations are invited for **Selection of Agency for Implementation of Virtual Reality Classrooms with VR Content in 06 NOS. OF SCHOOLS UNDER PM SHRI SCHEME.** The interested Firm / Agency/Organization/OEMs having valid GST may submit their RFP on or before **27.12.2024 by 5.00 P.M** positively through registered/speed post only. The envelope containing RFP document must be super scribed as "**RFP FOR IMPLEMENTATION OF AR-VR CLASSROOMS WITH CONTENT IN 6NOS. OF PM SHRI, Schools of ,JHARSUGUDA** " The sealed rfp will be opened on Dt.**31.12.2024 at 11 .00 A.M.** The details RFP may download from District website i.e <https://Jharsuguda.odisha.gov.in> of Jharsuguda District. The bidders are requested to remain present at the time of opening of RFP.

Encl: As above

Memo No <sup>2410</sup> /PLG/24 Dtd.17.12.2024

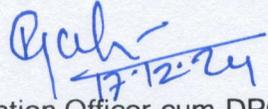
Copy submitted to the District Informatics Officer/DeGM, Jharsuguda for kind information and requested to publish the RFP Notice in the District website.

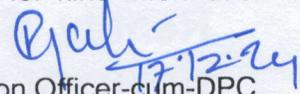
Memo No <sup>2411</sup> /PLG/24 Dtd 17.12.2024

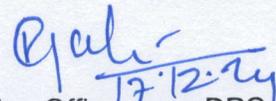
Copy to notice board of Collector, Jharsuguda/District Education Office/Block Education Offices/ DRDA/DPO for kind information and wide circulation.

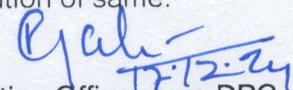
Memo No <sup>2412</sup> /PLG /24 Dtd.17.12.2024

Copy to DIPRO Jharsuguda for kind information and requested to publish the RFP documents in all editions of any TWO Odia dailies by 18.12.2024 for wide circulation. After publication the bill with all relevant documents as per the PR rate to be submitted to the undersigned for necessary payment. The size of the advertisement annexed herewith for your kind reference and publication of same.

  
District Education Officer-cum-DPC,  
SS, Jharsuguda

  
District Education Officer-cum-DPC,  
SS, Jharsuguda

  
District Education Officer-cum-DPC,  
SS, Jharsuguda

  
District Education Officer-cum-DPC,  
SS, Jharsuguda

**OFFICE OF THE DISTRICT PROJECT COORDINATOR,  
SAMAGRA SHIKSHA JHARSUGUDA, ODISHA**



ସମଗ୍ର ଶିକ୍ଷା  
समग्र शिक्षा  
Samagra Shiksha

**Request for Proposal (RFP)**

**For Selection of Agency for Implementation of Virtual Reality Classrooms with VR Content in 06 NOS. OF SCHOOLS UNDER PM SHRI SCHEME.**

## DISCLAIMER

The information contained in this RFP document or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by DPC, SS, Jharsuguda or any of their employees is provided to Bidder(s) on the terms and conditions set out in this RFP Document and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor invitation by DPC, SS, Jharsuguda to the Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their technical and financial offers pursuant to this RFP(the"Bid"). This RFP includes statements, which reflect various assumptions and assessments arrived at by the bidder in relation to the Project. Such assumptions, assessments, and statements do not purport to contain all the information that each Bidder may require. The assumptions, assessments, statements, and information contained in this RFP, may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations, studies and analysis, and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtains independent advice from appropriate sources.

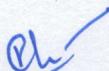
Information provided in this RFP to the Bidder(s) is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

DPC,SS may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP. The issue of this RFP does not imply that is bound to select a Bidder or to appoint the Preferred Bidder, as the case maybe, for the Project and reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.

DPC, SS reserves all the rights to cancel, terminate, change or modify this selection process and/or requirements of bidding stated in the RFP, at any time without assigning any reason or providing any notice and without accepting any liability for the same.

### **1. Important Dates & Information**

<b>Information</b>	<b>Details</b>
Bid Inviting Authority	DISTRICT PROJECT COORDINATOR, SAMAGRA SHIKSHA, JHARSUGUDA
Correspondence Address	At- COLLECTORATE CAMPUS, POST-OMPLINE, PIN-768204



Project Name	Request for Proposal (RFP) For selection of Agency for the Implementation of Virtual Classrooms(AR-VR) with VR- Digital CONTENT in 06 NOs. of PMSHREE schools of Jharsuguda District
Place of Execution	ALL 6 nos. of PM SHRI SCHOOLS
Non-Refundable RFP Document Fee	₹10000/-(Rupees Ten-Thousand Only), in the form of Demand Draft drawn from any Scheduled Bank in favour of DPC,SSA, Jharsuguda", payable at JHARSUGUDA ,
Earnest Money Deposit(EMD)	Earnest Money Deposit (EMD) of ₹1,80,000/-(Rupees One Lakh Eighty Thousand only) in the form of Demand Draft from any Government, Nationalized, and Schedule Commercial Bank. The EMD of successful Bidder is liable to be forfeited if the Bidder revokes any terms of the tender within the validity period. EMDs given by unsuccessful Bidders will be refunded after placing of work order to the successful Bidder.
Availability of Bid Document in the District website ( <a href="https://Jharsuguda.odisha.gov.in">https://Jharsuguda.odisha.gov.in</a> )	From Dt.18.12.2024
Last Date and Time for Submission of Bid Document	<b>27-12-2024 by 05:00 PM, through Speed/Regd. Post only.</b>
Date and Time of opening of Technical Bids	<b>31-12-2024 AT 11A.M</b>
Opening of Commercial Bid (CB)	To be informed
<b>Performance Bank Guarantee (PBG)</b>	Performance Bank Guarantee (PBG) @5% of the cost of project from any Government, Nationalized, and Scheduled Commercial Bank in the prescribed format in favour of the DPC,SSA,JHARSUGUDA shall be submitted by the successful bidder within 30days of issue of work order.

## 2. Invitation for Bids

DPC,SS,JHARSUGUDA invites bids from eligible bidders who have the necessary eligibility and qualifications for Implementation, Operations, and Maintenance of 'AR-Virtual Classrooms with VR Digital Content' as per the "Scope of Work" described in this RFP. The selected bidder shall be responsible for implementing the project and providing the operations and maintenance support for 2 years from the date of go-live of the project.

The Bid document has been published in the official website of the District I,e <https://Jharsuguda.odisha.gov.in> .The tender advertisement has also been published in leading newspapers for wide circulation. Bidders are requested to go through the Bid document carefully and participate in the bidding process with all necessary details as required.

This RFP is issued by DPC, SS, JHARSUGUDA, which is the sole point of contact during the selection process. For further queries, the bidders may contact the Nodal Coordinator for entire process is PLANNING COORDINATOR, DPC, SS, JHARSUGUDA.

## 3. Back ground Information

The Collector & DM Jharsuguda wishes to implement education technologies in PM SHRI schools to integrate the best practices in schooling experience. The objective is to make students receive holistic educational inputs in their own schools through the medium of technology. The objective is to make the students learn the concepts faster and inefficient ways with the help of engaging digital contents available in AR-VR studio.

DPC,SS has been designated as the Agency for finalizing the procurement process. In the above context, on behalf of District Administration, seeks proposals from eligible bidders for implementing the Virtual Classrooms with Digital Assessment solution including the required Hardware , Software, and Services in the 06 nos. of PMSHRI Schools as follows:

AR-Virtual Classrooms with VR Digital Content	
No.of Schools	6
Major components	VR Devices with AR-VR Digital Content for Classroom Learning

## Basic Information

In order to provide high quality educational support to students, DPC, SS wishes to establish Virtual Classrooms with Digital Assessment at in 6 Schools. The services from the selected Bidder will cover supply, installation connectivity, commissioning, and operations & management activities. The selected Bidder has to provide end-to-end solution and instructional services.

The bidder has to provide end-to-end application software required at the studios and Virtual Classrooms for content management and distribution, student assessment, student individualized analytics, classroom analytics, multilevel analytics, program monitoring software, asset management , complaint management, student information system, and dashboards for monitoring and report management.

### 3 Eligibility Criteria

Following table describes the qualification criteria. A bidder participating in the bidding process shall possess the following minimum qualification/ eligibility. Any bidder failing to meet the stated criteria shall be summarily rejected and will not be considered for Technical Evaluation.

Sl. No.	Criteria	Eligibility Criteria	Required Details
1	<b>RFP Document Fee</b>	Non-refundable Tender Cost of INR 10000/- NO EXEMPTION IN TENDER FEES	Original DD
2	<b>EMD</b>	Earnest Money Deposit(EMD) of ₹1,80,000/- (Rupees One Lakh Eighty Thousand Only ) in the form of Demand Draft from any Government, Nationalized, and Schedule Commercial Bank. The EMD of Successful Bidder is liable to be forfeited if the Bidder revokes any terms of the tender within the validity period. EMDs given by unsuccessful Bidders will be refunded after placing of work order to the successful Bidder.	The DD in original should be through speed posted/ regd.post submitted with bid documents. NO EXEMPTION to any bidder
3	<b>Legal Entity</b>	The bidder should be a Manufacturer/ Authorized dealer of the OEM / Firm. Registered/ Incorporated in India. Consortium in any form is not allowed. The Bidder shall have the nationality of India.	<ol style="list-style-type: none"> <li>1. In case bidder is a company: <ul style="list-style-type: none"> <li>- Certified copy of the Certificates of Incorporation for companies issued by the registrar of Companies and Memorandum &amp; Articles of Association.</li> </ul> </li> <li>2. In case the bidder is a Firm: <ul style="list-style-type: none"> <li>- Certified copy of the Registration.</li> </ul> </li> <li>3. In case the bidder is Authorized dealer, he has to submit copy of manufacturer's valid registration certificate for manufacturer of bid items</li> </ol> <p>from relevant government authority with a valid authorized dealer certificate of bid item</p>
4	<b>Quality Certification</b>	Bidder/OEM should have following certificates: ISO 9001: 2015,ISO 27001	Certificates to be submitted.

5	<b>Turn over &amp; Net Worth</b>	The Bidder/OEM should have Annual <b>average turnover of Rs. 5.00 Crore's in last 3 financial year</b> Financial Years (2021-22 to 2023-24). The Bidder should be profit making entity as on 31.03.2024	Certificate from CA indicating Turn over for last three years along with relevant pages of audited balance sheet.
6	<b>Technical Capability</b>	Bidder/OEM must have prior project experience in making AR-VR Studios with content in Govt/PVT/PSU schools for State/Central Govt/ PSU One work order of minimum value Rs 1 Cröres (excluding GST) in similar field in any one financial year during the last three years i.e., as on 31.03.2024 in India for any Government / Public Sector Undertaking / Government Institution.	Work Order/ Agreement/Back to Back work orders/Completion Certificate from the Client.
7	<b>Technical Capability</b>	Bidder/OEM must have prior project experience in Developing Augmented Reality (AR) Content for any State/Central Govt/PSU	Work Order from the Client.
8	<b>Blacklisting</b>	The sole bidder/both consortium members should not be blacklisted with any of the government projects.	Bidder should submit an undertaking. In case of consortium, both the members should submit the undertaking.
9	<b>OEM Authorization</b>	The sole bidder/any consortium member must attach Manufactures Authorization certificate specific to this tender from OEMs for providing comprehensive support and services of the OEM's product covered under the RFP.	OEMMAF- Bidder is free to quote multiple OEM for each product (Maximum Three OEMs for each product) complying technical specification given in the RFP.
10	<b>Compliance</b>	<ul style="list-style-type: none"> <li>The Sole Bidder/Lead Bidder has to submit Compliance Certificate along with technical brochures covering all technical specifications.</li> <li>The OEM should submit the compliance confirmation for each parameter in their letterhead along with the Manufacturer's Authorization form. If there is any deviation, the deviation with justification should be spelt out on the OEM letter head.</li> </ul>	Compliance Certificate and Brochures should be uploaded.

*Handwritten signature*

11	Tax Registration Certificates	The bidder should have a valid registration number of : 1. GST where his business is located. 2. PAN Number 3. The bidder should have cleared his Tax/GST dues, if any to the State Government/Central Government." 4. Pan Card 5. IT Return of last 3 years	1. Copies of registration certificates of GST and PAN.
12	Local presence	Bidder should have the GST Registered office in Orissa region.	<ul style="list-style-type: none"> <li>• Certificate of Incorporation/GST certificate</li> <li>• Bidders address registration proof</li> </ul>
13	Escalation matrix	The bidder has to provide dedicated technical support persons/team to resolve any technical / support related issues on priority. All issues to be resolved onsite. Bidder must have Dedicated/toll Free Telephone No. and email id for Service Support.	Document showing full details required.
14	Delivery & Installation	Goods will have to be delivered and installed to make VR labs functional at school level by the successful bidder which list will be provided to the successful bidder after awarding the work. Work has to be completed within 45 days of awarding the work.	Undertaking to complete the work within the stipulated timeline is to be submitted.

**Note:**

- In the absence of any of the above, the offer will be treated as non-responsive and summarily rejected.
- Relevant documents in support of the above criteria must be enclosed along with Technical Bid documents failing which the bid will be liable to be rejected.
- Financial and Technical experience for individual company shall only be considered. Subsidiary/Group/Holding company Financial and Technical experience not allowed.
- Bidder must compulsorily submit MAFs from OEMs for following equipment:, Wi-Fi router. VR equipment's Tablet. Bin Bags VR-AR Contents etc

Bidders who meet pre-qualification criteria shall be called for LIVE demonstration to be technically qualified In case of unsuccessful demonstration, Bidder is subject to disqualification.

- **All Bidders shall submit an undertaking letter on their letter head confirming that they are proposing a solution which is ready for demonstration and should confirm their readiness to demonstrate their proposed solution within 2 working days of receiving the intimation from DPC,SS,JHARSUGUDA. Failure to do so shall be construed as bidder's offering is incomplete and non-responsive solution.**

## 4 Instruction to Bidders

### General

- a) While every effort has been made to provide comprehensive and accurate background information and requirements and specifications, Bidders must form their own conclusions about the solution needed to meet the requirements. Bidders and recipients of this RFP may consult their own legal advisers with regard to this RFP.
- b) All information supplied by Bidders may be treated as contractually binding on the Bidders, on successful award of the assignment by DPC,SS on the basis of this RFP.
- c) This RFP supersedes and replaces any previous public documentation & communications, and Bidders should place no reliance on such communications.

### Availability of RFP Document

- a) The availability of bidding documents shall be commenced from the date as mentioned in Notice Inviting Bids(NIB).The complete bidding document can be downloaded from the official District website of Jharsuguda <https://Jharsuguda.odisha.gov.in>.The prospective bidders are requested download the bidding document from the websites and follow the bidding steps as prescribed.
- b) The Bid Notice is also published in two leading newspapers (Odia) for wide Circulation.

### Compliant Proposals/Completeness of Response

- a) Bidders are advised to study all instructions forms, terms, requirements, and other information in the RFP documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications.
- b) Failure to comply with the requirements set out in this RFP may render the Proposal non-compliant and the Proposal may be rejected. Bidders must include all documentation specified in this RFP.
- c) Follow the format and respond to each element in the order as set out in this RFP. Comply with all requirements as set out within this RFP.

### Period of Validity of Bids

- d) Bids submitted by the bidders shall remain valid for a period of 180 Days from the date of submission of RFP.
- e) Prior to the expiry of the period of validity of Bids, the procuring entity, in exceptional circumstances, may request the bidders to extend the bid validity period for an additional specified period. A bidder may refuse the request and such refusal shall be treated as withdrawal of Bid and in such circumstances bid security shall not be forfeited.
- f) Bidders who agree to an extension of the period of validity of their bids shall extend or get extended the period of validity of bid securities submitted by them or submit new bid securities to cover the extended period of validity of their bids. A bidder whose bid security is not extended, or that has not submitted a new bid security, is considered to have refused the request to extend the period of validity of its Bid.

### **Right to Accept Any Proposal and to Reject Any or All Proposal(s)**

- a) The undersigned reserves the right to accept or reject any proposal at any time prior to award of contract, without there by incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for such action.
- b) DPC,SS makes no commitments, explicitly or implied, that this process will result in a business transaction with anyone.
- c) The submission of RFP does not constitute an offer by DPC,SS. The bidder's participation in this process may result in selecting the bidder to engage towards execution of the contract.

### **Format and Signing of Bids**

- a) All the Bids submitted by the bidders must be submitted with the checklist.
- b) Each page of the bidding document shall be kept with the office seal and signature by the authorized representative from the Bidder.

### **Cost & Language of Bidding**

- a) The bidder shall be responsible for all costs incurred in connection with participation in the bid process, including site visits but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/ discussions / presentations, preparation of bid, in providing any additional information required by DPO to facilitate the evaluation process, and in negotiating definitive contractor all such activities related to the bid process. DPC,SS will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- b) The Proposal should be filled by the Bidder in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Bidders. For purposes of interpretation of the Proposal, the English translation shall govern.

### **Alternative/ Multiple Bids**

Each bidder shall submit only one Proposal. The bidder who submits more than one proposal will not be qualified.

### **RFP Document Fees**

The bidders are required to pay the RFP Document Fee of ₹10000/- through DD. Proposals received without or with inadequate RFP Document fees shall be rejected.

### **Earnest Money Deposit(EMD)/BID Security**

Bidders shall pay EMD of ₹1,80,000/- Rupees One Lakh Eighty Thousand only in the form of Demand Draft/ issued by one of the Government, Nationalized, and Schedule Commercial Bank in India drawn in favor of DPC,SSA,JHARSUGUDA . Bid Security / EMD should be valid for a period of 180 (One Eighty) days from tender due date. EMD will be refunded to unsuccessful applicant agencies within 30 (Thirty) days of the completion of selection process. The bid / proposal submitted without EMD mentioned above, will be summarily rejected.

## **Submission of Manufacturer's Authorization Form**

Bidder must submit the duly signed MAF at the time of bid submission Proposal as per the prescribed format (Annexure). The MAF should be submitted in OEM's letter head mentioning required details.

### **Dead line for Submission of Bids**

- a) Bidder must ensure to submit their response on or before the deadline date as mentioned in "Important Dates & Information" section of this RFP.
- b) Normally, the date of submission and opening of Bids will not be extended. In exceptional circumstances the date may be extended by the procuring entity. In such case the publicity of extended time and date shall be given in the manner, as was given at the time of issuing the original Bidding Document.
- c) It shall be ensured that after issue of corrigendum, reasonable time is available to the bidders for preparation and submission of their Bids. If the last date of submission or opening of Bids is a non- working day, the Bids shall be received or opened on the next working day.

### **Venue for Submission of Bids**

Response to Bid, in its complete form in all respects as specified in the RFP, must be submitted to DPO, SS at the address specified below:

Address to	DISTRICT PROJECT COORDINATOR, SAMAGRA SHIKSHA, JHARSUGUDA, At- COLLECTORATE CAMPUS, POST-OMPLINE, PIN-768204
Telephone	06645-274468
Email id	dpcjharsussa.opepa@nic.in

### **With drawal, Substitution, and Modification of Bids**

- a) No proposal may be modified / withdrawn in the interval between the last date of submission of proposals/tender and the expiration of the validity period specified in the tender documents by the tendering authority.

### **Opening of Bids**

- a) The Bids shall be opened by the Proposal Evaluation Committee in the presence of the bidders or their authorized representatives who choose to be present.
- b) The committee may co-opt experienced persons in the committee to conduct the process of Bid opening.
- c) The committee shall prepare a list of the bidders or their representatives attending the opening of Bids and obtain their signatures on the same. The list shall also contain the representative's name and telephone number and corresponding bidders' names and addresses. The authority letters, if any, brought by the representatives shall be attached to the list. The list shall be signed by all the members of Bid opening committee with date and time of opening of the Bids.
- d) The committee shall conduct a preliminary scrutiny of the opened technical Bids to assess the prima-facie responsiveness and ensure that the:
  - i. Bid is accompanied by bidding document fee, bid security or bid securing declaration, and processing fee (if applicable).

- ii. Bid is valid for the period, specified in the bidding document Bid is unconditional and the bidder has agreed to give the required performance security and other conditions, as specified in the bidding document are fulfilled.
- iii. Any other information which the committee may consider appropriate.
- e) No Bid shall be rejected at the time of Bid opening except the Bids not accompanied with the proof of payment or instrument of the required price of bidding document, processing fee and bid security.
- f) The Financial Bid cover shall be kept un opened and shall be opened later on the date and time intimated to the bidders who qualify in the evaluation of technical Bids.

### **Lack of Competition**

A situation may arise where, if after evaluation of Bids, the proposal evaluation committee may end-up with one responsive Bid only. In such situation, the Proposal Evaluation Committee would check as to whether while floating the Bid all necessary requirements to encourage competition like standard bid conditions, industry friendly specifications, wide publicity, sufficient time for formulation of Bids, etc. were fulfilled. If not, the tender would be re-floated after rectifying deficiencies.

The Proposal Evaluation Committee shall prepare a justification note for approval by the next higher authority of the procuring entity, with the concurrence of the account's member. In case of dissent by any member of Proposal Evaluation Committee, the next higher authority in delegation of financial powers shall decide as to whether to sanction the single Bid or re-invite Bids after recording reasons.

### **Acceptance of the successful bid and award of Project**

**Award Criteria:** DPO,SS will award the Project to the successful bidder whose proposal has been determined to be substantially responsive and has been determined as the most responsive bids as per the process outlined above.

**Purchaser's Procurement Rights:** Without incurring any liability, what so ever to the affected bidder or bidders, the Purchaser reserves the right to: -

- a) Amend, modify, or cancel this tender and to reject any or all proposals without assigning any reason.
- b) Change any of the scheduled date stated in this tender.
- c) Reject proposals that fail to meet the tender requirements.
- d) Increase or decrease the quantity of the items at the time of placement of order.
- e) Increase or decrease no. of resources supplied under this project.
- f) Make typographical correction or correct computational errors to proposals.
- g) The department reserves the right to place additional orders if any, for similar requirements at the discovered price as per the RFP Condition.
- h) Request bidders to clarify their proposal.

**Notification of Award:** Prior to the expiry of the validity period, DPO,SS will notify the successful bidder in writing or by fax or email, that its proposal has been accepted. In case the tendering process / public procurement process has not been completed within the stipulated period, DPO may like to request the bidders to extend the validity period of the bid. The notification of award will constitute the formation of the contract. Upon the successful bidder's furnishing of Performance Bank Guarantee, DPO will notify each

unsuccessful bidder and return their EMD within 15 days.

**Issuance of Purchase Order:** The DPO shall reserve the right to negotiate with the bidder(s) whose proposal has been ranked best value bid on the basis of Technical and Commercial Evaluation to the proposed Project, as per the guidance provided by FMP. On this basis the Purchase order would be issued.

**Acceptance of Bidder:** The bidder has to give its acceptance within 7 days of Issuance of Purchase Order. In case DPO has not received the acceptance or the selected bidder will refuse to accept the Purchase Order, DPO may intimate the next competitive bidder to award the Purchase Order.

**Performance Guarantee:** The DPO will require the Agency to provide a Performance Bank Guarantee, within 30 days from the Notification of award, for a value equivalent to 3% of the total cost of ownership i.e. total order value excluding taxes. The Performance Guarantee should be valid till Entire Project Period of 2 years. The Performance Guarantee shall be kept valid till completion of the project and support period. The Agency shall be responsible for extending the validity date and claim period of the Performance Guarantee as and when it is due on account of non-completion of the project and support period. In case the Agency fails to submit performance guarantee within the time stipulated, the DPO, at its discretion may cancel the order placed on the Agency after giving prior written notice to rectify the same. DPO shall invoke the performance guarantee in case the selected Bidder fails to discharge their contractual obligations during the period or DPO incurs any damages due to Bidder's negligence in carrying out the project implementation as per the agreed terms & conditions

### **Signing of Contract**

After the DPO notifies the successful bidder that its proposal has been accepted, DPO shall enter into a contract within thirty (30) days of the award of the contract or within such extended period, as may be specified by the Authorized Representative of DPO, incorporating all clauses and the proposal of the bidder with the successful bidder.

### **Failure to Agree with the Terms and Conditions of the RFP**

Failure of the successful bidder to agree with the Terms & Conditions of the RFP and the Proposal submitted by the successful bidder, despite the deviations submitted by the Bidder are adequately considered and mutually agreed, shall constitute sufficient grounds for the annulment of the award, in which event DPO may award the Project to the next best value bidder or call for new proposals from the interested bidders. In such a case, the DPO shall invoke the PBG or the EMD as the case may be, of the most responsive bidder.

## **6. TERMS AND CONDITIONS**

### **General Conditions of the Bid:**

- a) Agencies which do not hold a valid Permanent Account Number (PAN) from Income Tax department, Government of India and Good Service Tax Certificate from where their business is located will not be eligible to bid.

- b) Subject to the order of precedence set for thin the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, &mutually explanatory.
- c) **Entire Agreement:** The Contract constitutes the entire agreement between the Purchaser and the Successful Bidder and supersedes all communications, negotiations and agreements (whether written or oral)of parties with respect the reteamed prior to the date of Contract.
- d) **Amendment:** No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.
- e) **Non-waiver:** Subject to the condition (f) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the grant in go time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- f) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
- g) **Severability:** If any provision or condition of the Contract is prohibited or rendered invalid or un enforceable ,such prohibition, invalidity or un enforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

**Language:**

- a) The Contract as well as all correspondence and documents relating to the Contract exchanged by the Successful Bidder and the Purchaser, shall be written in English language only. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the special conditions of the contract, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- b) The Successful Bidder shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

**Governing Law:**

The Contract shall be governed by and interpreted in accordance with the laws of the Country (India), unless otherwise specified in the contract.

**Scope of Supply:**

- a) Subject to the provisions in the bidding document and contract, the goods and related services to be supplied shall be as specified in the bidding document.
- b) Unless otherwise stipulated in the Contract, the scope of supply shall include all such items not specifically mentioned in the Contract but that can be reasonably in ferried from the Contract as being required for attaining delivery and completion of the goods and related services as if such items were expressly mentioned in the Contract.

**Delivery & Installation:**

- a) Subject to the conditions of the contract, the delivery of the goods and completion of the related services shall be in accordance with the delivery and completion schedule specified in the bidding document. The details of supply/shipping and other documents

to be furnished by the Successful Bidder are specified in the bidding document and/ or contract.

- b) The Successful Bidder shall arrange to supply, install, and commission the ordered materials/ system as per specifications within the specified delivery/ completion period at various departments and/or their offices /locations /schools mentioned in the bidding document and/or contract. NO EXTRA PAYMENT SHALL BE GIVEN FOR DELIVERY AND INSTALLATION AND TRAINING.

**Successful Bidder's Responsibilities:**

The Successful Bidder shall supply all the goods and related services included in the scope of supply in accordance with the provisions of bidding document and/ or contract.

**Purchaser's Responsibilities:**

- a) Whenever the supply of goods and related services requires that the Successful Bidder obtain permits, approvals, and important do the licenses from local public authorities the Purchaser shall, if so required by the Successful Bidder, make its best effort to assist the Successful Bidder in complying with such requirements in a timely and expeditious manner.

*eh* ↗

## BID DOCUMENT FORMATS

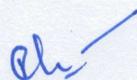
### Annexure-1: Particulars of the Bidders

Sl.No.	Information Sought	Details to be Furnished
1	Name of the bidding Company	
2	Address of the Company	
3	Incorporation status of the firm (Public limited/Private limited, etc.)	
4	Year of Establishment	
5	Date of registration	
6	Reference No	
7	Details of company registration	
8	Details of registration with appropriate authorities for GST	
9	Name, Address, e-mail ID, Phone Number and Mobile Number of Contact Person	
10	Roles & Responsibilities	
11	IT Returned Statement Last 3 years	

Name of the Bidder: .....

Authorized Signatory:.....

Signature: Seal: Date: Place:



**Annexure-2: Bidder's Authorization Certificate**

*(To be filled by the Bidder)*

To,

The DEO-cum-DPC,  
SS, Jharsuguda

I/ We {Name/ Designation} hereby declare/ certify that {Name/ Designation} is hereby authorized to sign relevant documents on behalf of the company/firm in dealing with He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Name of the Bidder: -

Verified Signature

Authorized Signatory:-

Seal of the Organization:-

Date:

Place:

**Annexure-3:RFP Form**  
(To be filled by the Bidder)

**1) Firm Details:**

<b>Name of Firm</b>				
<b>Name of CMD of the firm with email id, contact number</b>				
<b>Name of Contact Person with Designation</b>				
<b>Registered Office Address</b>				
<b>Address of the Firm</b>				
<b>Year of Establishment</b>				
<b>Type of Firm Put Tick (√) mark</b>	Public Limited	Private Limited	Partnership	Proprietorship
<b>Telephone Number(s)</b>				
<b>Email Address/Web Site</b>	Email:		Web-Site:	
<b>Fax No.</b>				
<b>Mobile Number</b>	Mobile:			
<b>Certification/Accreditation/Affiliation, if Any</b>				

2) The requisite tender fee amounting to Rs. \_\_\_/- (Rupees<in words>) has been deposited vide DD/BC/ receipt no. \_\_\_\_\_ dated \_\_\_\_\_.

3) The requisite EMD amounting to Rs. \_\_\_\_\_/- (Rupees <in words>) has been deposited vide Bank Guarantee /DD No. \_\_\_\_\_ dated \_\_\_\_\_. (If applicable)

4) We agree to abide by all the terms and conditions mentioned in this form issued by the Empanelment Authority and also the further conditions of the said notice given in the attached sheets (all the pages of which have been signed by us in token of acceptance of the terms mentioned there in along with stamp of the firm).

Date:

Name & Seal of the firm: \_\_\_\_\_

Authorized Signatory: \_\_\_\_\_

**Annexure-4: Manufacturer's Authorization Form(MAF)**

*(To be submitted in OEM Letterhead)*

LetterNo. \_\_\_\_\_

Date: \_\_\_\_\_

To

The DEO-cum-DPC

Sub: OEM Authorization Letter

**RFP Enquire No:;;;;;**

Dear Sir

We, who are established and reputable manufacturers /producers of \_\_\_\_\_  
having factories/ development facilities at *(address of factory /facility)* do hereby authorize M/s  
\_\_\_\_\_*(Name and address of Agent)* to submit a Bid, and accept the  
Purchase Order against the above Bid Invitation.

We hereby extend our full guarantee and support for the Solution, Products, and services offered by  
the above firm against this Bid Invitation.

**SUPPORT AND MAINTENANCE:**In the event that, during the contract term specified in the RFP, .  
\_\_\_\_\_*(Bidder Name)* is unwilling or unable to fulfill its  
maintenance and support n respect of the Hardware or Software products in accordance with the  
RFP,

\_\_\_\_\_*(OEM Name)* undertakes to provide such support and  
maintenance obligations (either by ourselves or through a subcontractor) in accordance with the RFP  
Technical Terms of Service for the duration of any paid up Support and Maintenance Term provided  
always that you have a valid Subscription Agreement.

We duly authorize the said firm to act on our behalf in fulfilling all installations, Technical support and  
maintenance obligations required by the Project.

Yours faithfully,(Name)

Seal

**Note:** This letter of authority should be on the letter head of the OEM and should be signed by a  
person competent and having the power of attorney to bind the manufacturer.

**Annexure-5:Self-Declaration**

*(Non-black listed in company Letter Head)*

To

The DEO-cum-DPC,SS

Sir

In response to the ..... Dated .....-10-2024, for RFP titled "**For Selection of Agency for Implementation of Virtual Reality Classrooms with VR Content in 06 NOS. OF SCHOOLS UNDER PMSHRI SCHEME**" as an owner/partner/Director of(organization name)

..... I/We hereby declare that presently our Company/firm is not under declaration of ineligible for corrupt & fraudulent practices, blacklisted either indefinitely or for a particular period of time, by any State/ Central government/PSU.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Name of the Bidder: .....

Authorized Signatory:.....

Signature: Seal.

Date:

Place:

**Annexure-6  
PRICE BID FORMAT**

<b>Item Wise Price Schedule for One(01)Main Studio Setup</b>						
<b>SL. No.</b>	<b>Item</b>	<b>Quantity (a)</b>	<b>Unit Cost (in Rs.) (b)</b>	<b>Taxes (in Rs.) (c)</b>	<b>Total Cost (in Rs.) (d=b+c)</b>	<b>Total Amount (in Rs.) (e=axd)</b>
1.						
2						
3						
4						
5						
6						
7						
<b>TOTAL</b>						

AuthorizedSignatoryName:

Designation:

Annexure-7: Acceptance of Terms & Conditions

To,

The DEO-cum-DPC,SS

Sir,

I have carefully gone/ examined through the Terms & Conditions mentioned in "RFP for Selection of Agency for Implementation, Operations and Maintenance of Virtual Classroom with AR-VR Digital Assessment", RFP Enquire No., .....Dated ..... and I declare that all the previous/clause mentioned in this RFP Document are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Authorized Signatory Name:

Designation:

# Technical Specifications

## Item No. 1: 10 inches or higher Tablet

Sl. No.	Parameter/ Feature	Specification Required
	<b>Make and Model</b>	
1	Supported Networks	4G / 5G VoLTE, GSM
2	OS Ver	Android® 13 or higher
3	CPU GHz	2.0GHZ, 8xCortex-A53 -Octa core or Higher
4	RAM	6 GB or higher
5	ROM	128 GB or higher
6	Expandable Memory	1 TB or Higher
7	Display Size(Inch)	10 or Higher
8	Resolution	1200x 1920 (WUXGA+) or Higher
9	Screen Type	IPS LCD, 400 NITS (type)
10	Camera	FRONT : 8 MP Fixed Focus REAR: 16 MP Imax Sensor Dual Camera (Digital zoom, Auto focus, Flash Light)
11	Universal Port	Micro USB / Type - C
12	USB Version	2 or more
13	Location	GPS, Glonass, BDS
14	Headset	3.5 mm
15	Wi-Fi	802.11 b/g/n/ac 2.4GHz
16	Bluetooth	5.0 or Higher
17	Sensors	Accelerometer, Gyro Sensor, Hall Sensor, RGB Light Sensor
18	Weight gm	465 gms or lesser
19	Battery mAh	7700 or Higher
20	Warranty	Two Year Warranty
21	Antivirus	As per requirement
22	<b>Post Component of Tablet</b>	Charger with cable
23	<b>Narration language</b>	Hindi, English

## Item No. 2: -Virtual Reality Headset

Sr. No	Category	Suggestive Specification
1	Device Type	Standalone Virtual Reality Headset/ Virtual Reality head set for Students with Pre-Loaded Content Software
2	Processor	Qualcomm Snapdragon XR or higher Gen
3	Display	2 4K or Higher LCD Panels
4	Resolution	4K Resolution
5	Refresh Rate	90Hz (with support for 120Hz in future updates)
6	Field of View (FoV)	110 degrees
7	Pass through	Full-color RGB pass through (high-resolution mixed reality)
8	Tracking	Inside-out 6DoF tracking with integrated cameras
9	Controllers	Quest Touch Plus controllers with True Touch haptics/3 DoF Bluetooth Controller or higher
10	Connectivity	Wi-Fi 6E, Bluetooth 5.2
11	RAM & Storage	6GB RAM with 128 GB Storage or higher
12	Battery Life	2-3 hours or higher, 3000mAh or above ,USB-C fast charging supported
13	Audio	Spatial audio with built-in speakers, 3.5mm headphone jack
14	Operating System	Custom VR operating system (based on Android)
15	IPD Adjustment	Manual inter-pupillary distance adjustment (IPD)
16	Comfort	Adjustable head strap, facial interface with customizable fit
17	Environment Awareness	Mixed reality capture and room mapping for enhanced AR
18	Setup Requirements	No external sensors or cameras required
19	Content Access	third-party content support
20	Additional Features	Hand tracking, voice commands, pass through mixed reality
21	<b>MARKING AND INSTRUCTIONS</b>	The appliance is marked as per IS with all safety certificates <b><u>Warranty 2 year or more onsite.</u></b>
	<b>Important Features</b>	SD Card slot for storage expansion, Return & volume control, Surround Sound System, Gravity sensor, compass, gyroscope, light sensor, and
		The VR device along with the operating system, should be strictly built for education purposes only - no social media apps, gaming apps, privacy concerns, or distracting applications, should be playable on the VR devices

### **Item No. 3: - Storage Case**

Sl. No.	Parameter/ Feature	Suggestive Specification
1.	Make & Model	<<Specify>>
2.	Material	Resin or SS or Rust-proof powder coating. Handle for easy open & close
3.	Colour	NA
4.	Other Features	High impact resin/SS and heavy duty construction, dust seal, All terrain/castor wheels, Lockable system Cleans Easily, Extra durable, handle
5	Warranty	2 Year or more onsite

### **Item No. 4: - Charging Console**

Sl. No.	Parameter/ Feature	Suggestive Specification
1.	Specification	Multi Charge plug with single plug charging, Inbuilt MCB to protect headsets in case of overload and short circuit faults
2.	Cable Length	2 meter
3.	Type	AC 220V input voltage

### **Item No. 5: - Network Device**

Sl. No.	Parameter/ Feature	Suggestive Specification
1.	Standards	Wi-Fi 5, IEEE 802.11ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz
2.	Wi-Fi Speeds	AC1900, 5 GHz: 1300 Mbps (802.11ac), 2.4 GHz: 600 Mbps (802.11n)
3.	Working Modes	Router Mode, Access Point Mode
4.	Buttons	WPS/Wi-Fi Button, Power On/Off Button, Reset Button
5.	Wi-Fi Encryption	WPA, WPA2, WPA3, WPA/WPA2-Enterprise (802.1x)
6.	Warranty	2 Year or more onsite Warranty

## Item No. 6: -Content, Software and Application

Suggestive Parameters	Suggestive Specifications
<p>AR &amp; VR Content to be pre-loaded &amp; Utilized in the Android Teacher's Device and VR Headset And should provide the features:</p>	<ul style="list-style-type: none"> <li>• Minimum 500+ or more Interactive VR Simulations and Virtual Experiments covering Science, Mathematics and Historical Tours with each simulation having on-screen text instructions and voice over, and offering learning interactions such as drag and drop, explore, assemble, dissect, identify, experiment, walk and assessments to enable teachers see scores and track the student performance (individual and class report)</li> </ul> <p style="text-align: center;">VR based content Grade-wise for Science &amp; Maths, should use Gamified methodology in Content for Grade 1 to 5 for Hindi, English, Maths, EVS, and for Grade 5 to 10 Coverage of Science and Mathematics or other subjects <b>Virtual Tours in VR</b></p>
<p>360 Degree Content with rotatable 3D objects and should be capable of playing in offline mode.</p>	<p>Duration of a VR module /topic must be for min. 2 Mins. And up to 10 Mins. - depending on the depth of the Concept.</p>
<p></p>	<p>1500+ or more STEM 3D Interactive AR/VR Modules offering 3D model visualization with each model having interactivity of selection, clickable parts, rotation, zoom in and zoom out. These models should play in VR and in AR mode to display 3D model in augmented reality environment.</p>
<p></p>	<p>Educational VR modules pre-loaded in the headset and Teacher's Device (Tablet) mapped to the curriculum for all content covering World Heritage Sites and virtual tours. Android application for teacher's device and all the concepts must be pre loaded in teacher's device.</p>
<p></p>	<p>Natural island in which all the students can walk through and visit in a Virtual Environment with each other.</p>
<p></p>	<p>Teacher Student Pairing System : All the VR device should be managed and monitor by teacher's Device (Tablet ) over a LAN with Native Android Application, VR modules related to virtual experiments should have interactivity of multiple types w.r.t. in-module interactions like point-&amp;-select, drag-&amp;-drop, explore 360-degree, etc. Along with Teacher guided animated virtual tours for better student understanding with features like forward, backward, pause, play, audio mute, music mute facilities must be accessible for teacher in teacher's device.</p>
<p></p>	<p>Teacher can control the content in an interactive environment while the student is interacting with objects. Teachers can perform interactive practical/concept in teacher's Device and same interactivity must be visible in all students Device simultaneously.</p>
<p></p>	<p>Content must be played in tablets with 360 degree rotate features.</p>
<p></p>	<p>In-module formative assessments with the ability to track student scores by the teacher/administrator, and learning analytics and Reports supported by on-cloud LMS Platform</p>

	Engrossing, engaging & interactive explanation of Science & Maths related concepts in every VR module.
	Complex concepts simplified and converted into hands-on virtual experiments and situational learning.
	Teachers or schools can add new 3D and 360 degree images or Video to Platform and can set up their own content library in each chapter by creating a sub activity/tour/practical to a particular chapter.
	Narration language, Application User Interface & Educational content language : Hindi and English. Lessons should be proper animations and illustrations, more illustrated 3D animations rather than 360-degree pictures/video with simulation Content should run in both offline (without internet) & online mode.
	Maintain high visual standards and consistency with respect to fonts, colors, animations, designs etc. The e-learning courseware contents must not use any materials, images, animations, pictures etc. from the internet.
	<ul style="list-style-type: none"> <li>All the above-mentioned content (modules, simulations and videos) should play both online on browser and offline on the VR device by pre-loading on the VR device to avoid internet dependency.</li> </ul>
	Content for AR: Teacher tablet should be equipped with AR content, pre-loaded in the same teacher application. Teachers can scan images/QR code to play AR content. 200+ Concepts for science in AR are required. AR content should be aligned with NCERT syllabus and mapped with state curriculum.

<b>Immersive Platform</b>	<p><b>The content should be managed through a Classroom Management System (CMS) with following features:</b></p>
	<ul style="list-style-type: none"> <li>CMS should have the capability for assigning/modifying/changing the roles and responsibilities of the users like students, teachers, and school administrators.</li> <li>CMS should enable the teachers to create classes/groups of students and organize content and lesson plans. CMS should manage content through intuitive indexing, search, and retrieval features</li> <li>The teacher will be able to organize content in their own lesson plans and multicast/trigger the content from the CMS on all VR devices in an online-based classroom mode with controls to play, pause, stop, and resume content anytime in online mode from the teacher account.</li> <li>CMS should enable the teachers to access the content usage reports of students along with the results of questions attempted in the inbuilt assessments</li> <li>The VR device, along with the operating system, should be capable of enabling student login on VR device in offline mode, automatically storing all user activities on the VR device, including the last attempted assessment reports while using the device in an offline mode, and sync-up these user activities and last attempted assessment reports to the cloud as soon as the VR device gets connected to the internet connection.</li> <li>Daily Class Report</li> <li>Class wise quiz assessment report</li> <li>Session time of each session</li> <li>Total time spent on each session</li> <li>Admin Dashboard/Super Admin Dashboard</li> </ul>

#### 4. Capacity Building-Teacher Training Sessions:

Offline training to learn how to use VR headsets, VR content, LMS/device management platform in classroom delivery.

No. of Hours of Training : 6hours(minimum)

Topics covered in training (not limited to) How to use headset, how to conduct VR classes, How to track learning outcomes, How to report data How to conduct tests, Maintenance, Care tips, FAQs, Safety warnings, Troubleshooting Tips

Teacher Learning Material Instruction guides, tutorial video reference library shall be provided.

Technical support will be provided.

The Content Library also includes a minimum of **10 or more Virtual Immersive educational tours** of world heritage sites. These tours also have a walk, explore, and click interactions which the user can perform.

The average duration of all virtual tours is more than 10 minutes, and all virtual tours have voice-over and on-screen text for better understanding in English and Hindi languages. These tours also have a walk, explore, and click interactions which the user can perform.

All virtual tour modules can be played offline also.

#### English Language learning in VR

Scenario-based English Language Learning content consists of 100+ modules focusing on students' English speaking and conversational abilities. The modules must be designed in various immersive scenarios and must be supported by Speech recognition technology to improve pronunciation and conversational skills, in a judgement-free, distraction-free environment in VR with perpetual license.

All modules of English language learning content must have voice over and on-screen text wherever necessary.

Instant feedback capability must be built with each learning module.