

**Gwalior Smart City Development Corporation Limited,
(GSCDCL)**



***Request for Proposal
for
“Development of Smart Classrooms
(including supply, installation,
commissioning, integration and
maintenance) in Municipal School in
Gwalior (M.P.)”***

Tender Reference no.: GSCDCL/026/2017

**Gwalior Smart City Development Corporation Limited, Gwalior
Nagar Nigam Office, City Centre, Gwalior- 474003,
Madhya Pradesh, India**

Ph. No.: 0751 2438386; E-mail: gscdcltender@gmail.com

Website: www.smartcitygwalior.org

Disclaimer

This Request for Proposal (**RFP**) for “Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)” is issued by GSCDCL.

Whilst the information in this RFP has been prepared in good faith, it is not and does not purport to be comprehensive or to have been independently verified. Neither GSCDCL, nor any of its officers or employees, nor any of their advisers nor consultants accept any liability or responsibility for the accuracy, reasonableness or completeness of the information contained in the RFP, or for any errors, omissions or misstatements, negligent or otherwise, relating to the proposed Project, or make any representation or warranty, express or implied, with respect to the information contained in this RFP or on which this RFP is based or with respect to any written or oral information made or to be made available to any of the recipients or their professional advisers and, so far as permitted by law and except in the case of fraudulent misrepresentation by the party concerned, the liability therefore is hereby expressly disclaimed.

The information contained in this RFP is selective and is subject to updating, expansion, revision and amendment at the sole discretion of GSCDCL. It does not, and does not purport to, contain all the information that a recipient may require for the purposes for making a decision for participation in this process. Each Party must conduct its own analysis of the information contained in this RFP and is advised to carry out its own investigation into the proposed Project, the regulatory regime which applies thereto and by and all matters pertinent to this Project and to seek its own professional advice on the legal, financial and regulatory consequences of entering into any agreement or arrangement relating to this Project. GSCDCL shall not be responsible for any direct or indirect loss or damage arising out of or for use of any content of the RFP in any manner whatsoever.

This RFP includes certain statements, projections, targets and forecasts with respect to the Project. Such statements, projections, targets and forecasts reflect various assumptions made by the management, officers, employees, consultants, and experts of GSCDCL, which (the assumptions and the base information on which they are made) may or may not prove to be correct. No representation or warranty is given as to the reasonableness of forecasts or the assumptions on which they may be based and nothing in this RFP is, or should be relied on as, a promise, representation or warranty.

GSCDCL shall be the sole and final GSCDCL with respect to qualifying a Bidder through this RFP. The decision of GSCDCL in selecting the Successful Bidder under this RFP shall be final and GSCDCL reserves the right to reject any or all the Bids without assigning any reason thereof. GSCDCL may terminate the RFP process at any time without assigning any reason and upon such termination GSCDCL shall not be responsible for any direct or indirect loss or damage arising out of such a termination.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage,

delivery fees, expenses associated with any demonstrations or presentations which may be required by the GSCDCL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and the GSCDCL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Bidder in preparation or submission of its Bid regardless of the conduct or outcome of the selection process.

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Letter of Invitation to Bidder

Dear Sir/Madam,

- GSCDCL is the implementing agency for smart city proposal in the city of Gwalior. One of the task therein is implementation of Smart Classroom. GSCDCL thus hereby invites Bids from the Bidders to participate in this RFP for the implementation of the Project.
- The evaluation of the Bids shall be done in adherence to the Quality and Cost Based Selection Process with Technical and Financial having the weightage of 70:30. Bidders shall be deemed to have understood and agreed that no explanation or justification for any aspect of the Selection Process will be given and that the decisions of GSCDCL are without any right of appeal whatsoever.
- The Bids shall be accepted through hard copy and soft copy, as follows:
Hard copy to be submitted – Cover 1, Cover 2 and Cover 3
Soft Copy to be uploaded at e-tendering portal [www.mpeproc.gov.in]- Cover 1, Cover 2 and Cover 3 and Financial Bid.
- The Bid will be rejected in case the Bidder has submitted the conditional Bid and/or the Bid is not in adherence to the RFP.
- The Bidders should submit their Bid along with all supporting documents complete in all aspect on or before the date and time prescribed in the RFP Schedule in the prescribed format.
- The RFP can be downloaded from website: www.mpeproc.gov.in. Any amendment/ corrigendum/ clarifications with respect to this RFP shall be uploaded only on www.mpeproc.gov.in. The Bidder should regularly follow up for any amendment/ corrigendum/ clarification on the above website.
- The Bidders will submit the Bids by the date & time indicated in the RFP Schedule mentioned in this RFP).
- The RFP includes the following documents:
Section I - Introduction
Section II - Instructions to Bidder
Section III - General Conditions of Contracts
Section IV - Scope of Work
Section V - Forms
Section VI - Annexures

- GSCDCL shall not be responsible for any delay in receiving the documents on account of any reasons and GSCDCL further reserves the right to revise or amend this letter of invitation and or the RFP fully or partly prior to the Bid Deadline. GSCDCL further reserves the right to reject any or all Bids without assigning any reasons.

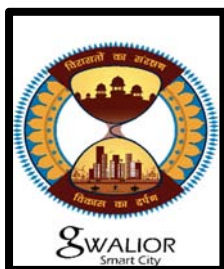
Yours sincerely,

sd/-

Executive Director

Gwalior Smart City Development
Corporation Limited,
City Centre, Gwalior- 474003,
Madhya Pradesh, India

RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)



Gwalior Smart City Development Corporation Limited, Nagar Nigam Office, City Centre, Gwalior-474003, Madhya Pradesh, Phone. No.: 0751 2438386; E-mail: gscdcltender@gmail.com Website: www.smartcitygwalior.org

NOTICE INVITING TENDER (NIT)

NIT No. GSCDCL/026/2017

Date:29/12/2017

Gwalior Smart City Development Corporation Limited (“GSCDCL”/ “AUTHORITY”) invites online bids from the eligible bidders through www.mpeproc.gov.in for **“Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)”**.

The details of Key Events and Dates are as under.

Sl. no.	Event's Name	Details
1.	Tender document Fee	Rs. 15,000/-
2.	Earnest Money Deposit (EMD)	Rs.5,00,000/- (Rupees Five Lakh Only)
3.	Last date for sending pre-bid queries	08/01/2018 till 17:00 hrs. at gscdcltender@gmail.com
4.	Date, Time & Place of Pre-bid Meeting	09/01/2018 at 15:00 hrs. At Gwalior Smart City Development Corporation Limited, Nagar Nigam Office, City Centre, GWALIOR, Madhya Pradesh, 474003 Ph. No.: 0751 2438386; E-mail: gscdcltender@gmail.com
5.	Last date for Online Purchase of Tender Document	29/01/2018 till 17:30 hrs.
6.	Last date of Online Submission of Bids	30/01/ 2018 till 17:30 hrs.
7.	Last date of EMD + Hard Copy (Pre- Qualification and Technical Proposal)Submission of Bids	02/02/2018 till 17:30 hrs.
8.	Date & Time for Opening of Pre-Qualification and Technical Proposal	03/02/2018 till 14:00 hrs.
9.	Date & Time for Opening of Financial Proposals	Will be intimated later to the technically qualified bidders
10.	Project Award Criteria	Through a QCBS (Quality and Cost Based Selection process) Ratio of (70:30)

Executive Director

Gwalior Smart City Development Corporation Limited

1. Section I: Introduction

1.1 About GSCDCL

Gwalior Smart City Proposal (SCP) has been selected by the Government of India under Smart City Mission (SCM) in the second round of smart cities challenge wherein Gwalior secured 9th position in second round.

The Area Based Development (ABD) proposal spreads across a total area of 803 acres, having a population of 1.02 Lakhs which is almost 8.8% of the total population of the city of Gwalior. The 771 acres, earmarked area is proposed to be retrofitted with smart features/infrastructure wherein out of total proposed area, 32 acres of land will be redeveloped with zonal/ layout/ building level smart features/infrastructure in accordance with SCP and SCM guidelines.

For the purpose of implementing the SCPGSCDCL, a Special Purpose Vehicle has been incorporated as a public limited company, under the [Indian] Companies Act, 2013. GSCDCL has received funds from Government of India and Government of Madhya Pradesh (GoMP) for the development of Gwalior as smart city. GSCDCL is desirous of applying a part of this fund to the Project.

1.2 Objectives of the Project

1.2.1 The objectives of this RFP is to select eligible Bidder, who develop the existing class room of selected 37nos of Municipal schools of PAN City area and also develop class room as a Smart Classroom and also maintain post implementation support services.

1.2.2 The following are the main objectives of the Holistic Education Solution:

- ICT Enabled learning to boost up the education system.
- To make learning interesting, effective and more interactive with new technology.
- To make various areas available to children for their curiosities, thinking and power of analysis.
- To enable access to quality education through provision of teaching learning tools.
- To enhance the learning environment.
- To create capacities among stakeholders.
- To improve educational outcomes.

1.2.3 Detailed Scope of work has been specified in Section IV (Scope of Work) of this Tender document.

2. Section II: Instructions to Bidders

2.1 Definitions

The words and expressions defined in this TD shall, unless the context otherwise requires, have the meaning hereinafter respectively assigned to them:

- (i) **“Bid”** shall mean the documents submitted by a Bidder pursuant to this RFP including the Technical Bid and Financial Bid along with all documents/ credentials/ attachments/ annexure etc., in response to this RFP, in accordance with the terms and conditions hereof;
- (ii) **“Bidders”** shall mean a Company or a consortium of 2 (two) Company that has submitted the Bid in response to this RFP. For avoidance of doubt, any reference to the Bidder includes its successors, executors and permitted assigns as the context may require;
- (iii) **“Bidding Process”** shall mean the process governing the submission and evaluation of the Bids as set out in Section 2 of Volume I of the RFP;
- (iv) **“Bid Deadline”** shall mean the last date and time for submission of hard copies of Bid in response to this RFP as specified in RFP Schedule;
- (v) **“Bid Validity Period”** shall have the meaning as set forth in Clause 2.6.
- (vi) **“Company”** shall mean a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto;
- (vii) **“Contractor”** means the Successful Bidder selected by GSCDCL pursuant to this RFP for the Project, with whom the contract has been executed;
- (viii) **“EMD”** in the form of Demand Draft/ Fixed Deposit Receipt(s)/ Bank Guarantee (Proforma for EMD specified in Form-12) issued by any nationalized/ scheduled commercial bank in Clause 2.13
- (ix) **“Estimated Cost”** shall mean the cost of the Project estimated by GSCDCL)
- (x) **“Eligibility Criteria”** shall have the meaning as set forth in Clause 2.7
- (xi) **“Financial Bid”** means the Bid submitted online in accordance with

- Form-11 by the Bidder; and as envelope C as prescribed in Clause 2.14.
- (xii) **“GSDCDCL”** means Gwalior Smart City Development Corporation Limited;
 - (xiii) **“LoA”** means Letter of Award; Letter of Award to successful Bidder as per clause 2.21.3
 - (xiv) **“Project”** means develop existing class room of selected 37 nos. of municipals schools in the PAN City area as a Smart Classroom and also provide warranty and post implementation support services;
 - (xv) **“Project Cost/ Project Price”** shall mean the price offered by the Contractor for the Project;
 - (xvi) **“Qualified Bidder”** shall mean the same meaning as set forth in Clause 2.8.
 - (xvii) **“RFP”** shall mean this Request for Proposal document comprising of sections as defined herein;
 - (xviii) **“Smart Classroom”** shall mean the same as defined in objectives and scope of work in RFP.
 - (xix) **“Site”** shall mean the classroom of selected schools in Gwalior as mentioned in Annexure-1
 - (xx) **“Successful Bidder”** shall mean the Bidder selected by GSCDCL pursuant to this RFP for implementation of Project, and to whom the LoA has been issued;
 - (xxi) **“Technical Bid”** means the bid comprising of documents listed in envelope B of Clause 2.14.2 (h)
 - (xxii) **“RFP Key Events and Dates”** shall mean the list of dates prescribed in this RFP document;

2.2 Interpretations

- a) Words comprising the singular shall include the plural and vice versa.
- b) Words referring to one gender shall means reference to all the genders.
- c) An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.

- d) A time of day shall save as otherwise provided be construed as a reference to Indian Standard Time.
- e) Different parts of this RFP are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or amongst the parts of this RFP, they shall be interpreted in a harmonious manner so as to give effect to each part.
- f) The table of contents and any headings or sub headings in the RFP has been inserted for case of reference only and shall not affect the interpretation of this RFP.

2.3 Consortium

2.3.1 In the event the Bidder is a Consortium, it shall, comply with the following additional requirements:

- a) Number of members in a **consortium shall not exceed 2 (Two) including** the Lead Member.
- b) The Members of the Consortium shall nominate one member as the Lead Member.
- c) The Members of the Consortium shall be jointly and severally responsible for successful implementation of the Project throughout the terms of the contract.
- d) The Lead Member shall be authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Consortium or its members respectively from time to time in the response to this RFP.
 - 1. The Members of the Consortium shall submit a Consortium Agreements set out in Form -5 *inter alia* consisting of the following:
 - 2. Undertake that each of the members of the Consortium shall have an independent, definite and separate scope of work, allocated as per each member's field of expertise;
 - 3. Commit to the profit and loss sharing ratio of each member;
 - 4. Commit to the scope of work, rights, obligations and liabilities to be held by each member;
 - 5. Provide a brief description of the roles and responsibilities of individual members; and clearly define the proposed administrative arrangements (organization chart) for the management and execution of the Project; and
 - 6. Include a statement to the effect that all the members of the Consortium shall be jointly and severally liable for all obligations in relation to the Contract until the completion of the Project in accordance with the Contract.

- e) In case the Successful Bidder is a Consortium, then no change in the Lead member is permissible. Change of the other member in the Consortium can be done only under extreme circumstances such as non-performance of that member, insolvency or bankruptcy of that member, which shall be done only with the prior written approval of GSCDCL. Provided that in the event of any such approved change of Consortium member, the new member (company) replacing outgoing Consortium member shall have same or higher financial, technical and legal qualifications as the outgoing member, and to the satisfaction of GSCDCL. In the event GSCDCL does not grant approval for the change of the Consortium member (other than the Lead Member) or suitably qualified replacement member (companies) are not available/ found, the exit of such Consortium member shall constitute a breach of the Contract.
- f) All members of the consortium are required to follow the highest level of work ethics, if any member of the consortium has a Conflict of Interest or indulges in Prohibited Practices; the whole Consortium is liable to be disqualified. Further, in the event any entity has been barred by the Central Government, any State Government, a statutory GSCDCL or a public sector undertaking, as the case may be, from participating in any project or bid, and the bar subsists as on the Bid Deadline, it would not be eligible to submit a Bid either by itself or as part of a Consortium.

2.4 Cost of Bidding

- 2.4.1 The Bidder shall bear all costs associated with the preparation and submission of the Bid and any subsequent events/activities related to this RFP. GSCDCL will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the Bidding Process. The Bidder shall not be entitled to claim any costs, charges and expenses of and incidental to or incurred by the Bidder through or in connection with its submission of Bid even though GSCDCL may elect to modify/ withdraw the RFP.

2.5 Language of Bid

- 2.5.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the GSCDCL, shall be written in English. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid, such translation shall govern.

2.6 Bid Validity

2.6.1 Bids submitted by Bidder shall remain valid for acceptance for one hundred and eighty (180) calendar days from the Bid Deadline as prescribed in the RFP key events & dates (“Bid Validity Period”), with Bidder having no right to withdraw, revoke or cancel its Bid or unilaterally vary the Bid submitted or any terms thereof. In case of the Bidder revoking or cancelling its Bid or varying any term and conditions in regard thereof or not accepting LoA, GSCDCL shall forfeit the EMD furnished by such Bidder.

2.6.2 In exceptional circumstances, GSCDCL may in writing request the Bidders to extend the Bid Validity Period of their Bids. The request and the responses thereto shall be made in writing. The EMD provided by such Bidders shall also be extended by an equivalent period of time. A Bidder may refuse the request without forfeiting its EMD. A Bidder granting the request will neither be required nor permitted to modify its Bid in any manner. In case, if a Bidder rejects the option to give consent for extension of validity of its Bid, remaining Bidders will be considered for Bid evaluation.

2.7 Eligibility Criteria

2.7.1 Pre-Qualification Criteria

Sr. no	Parameter	Requirement Description	Supporting evidence required
1.	Legal Entity	The Bidder (Prime bidder in case of consortium) should be in existence for a minimum period of 5 years.	Copy of the certificate shall be submitted as: • Certificate of Incorporation
2.	Experience of the bidder	a) The Bidder (Prime bidder in case of consortium) must have experience from three similar completed Smart Class Room project in State/Central Government in India with Minimum contract value is Rs.3,00,00,000/- (Rupees Three Crore only) in last Five(5) years (i.e. Period 1st Oct 2012 to 31st Oct 2017).	Project completion certificate/ Detailed Work Award (DWA) Order from Customers of the referred projects.

		b) The Bidder or at least one consortium partner should have experience in IT related implementation i.e. ERP/ Enterprise Architecture/Data Center/CCTV-Surveillance/ Wi-Fi/IT-Networking) in Three Project in last Five(5) Years (<i>i.e. Period from 1st Oct 2012 to 31st Oct 2017</i>) with work order of minimum amount of Rs.50,00,000/- (<i>Rupees Fifty Lakhs only</i>)	Project completion certificate/ Detailed Work Award (DWA) Order from Customers of the referred projects.
3.	OEM Authorization	The Bidder should either be the OEM or an authorized licensed service provider of AMC services for the Hardware (as specified in RFP).	<p>a) OEM in case the Bidder is an Authorized Dealer/ Distributor shall be submitted clearly stating that the Bidder is an authorized provider of Said services for the Hardware elements mentioned in the tender. <i>(Note: Bidder should upload the letters for all proposed make of the items, as mentioned Hardware/Software in Annexure. Bidder should use the Proforma given in Form-17 for submitting OEM Authorization)</i></p> <p>b) The self-declaration is to be submitted in case of OEM.</p>
4.	Local presence	The Bidder (Prime bidder in case of consortium) should have at least one office/support center in Gwalior, India.	<p>Bidder Submit the relevant evidence proof for it.</p> <p><i>(If Bidder has not, then self-declaration shall be uploaded, with duly signed by the authority and has to commit that they will open Office/Support Center at Gwalior before the signing the Contract Agreement, If they would be successful bidder. Bidder should submit/upload the said letter.</i></p> <p><i>In case of not a local presence in Gwalior- Bidder can setup a office in 1 month period from the issued date of LoA and share a person name as SPOC, and clearly write that, they will provide services as mentioned in RFP)</i></p>

5.	Certificate	The Bidder (Prime bidder in case of consortium) having Quality Certification Appropriate ISO 9001:2008 Or latest.	Bidder shall submit Copy of the certificate
6.	GST, TAN & PAN Registration Certificate	The Bidder (Prime bidder in case of consortium) must have valid of GST, TAN & PAN	Bidder shall submit copy of the GST no, Tan and PAN.
7.	Black-listed certificate	The Bidder and Consortium Partner should not have been black-listed or defaulted by any Central/State Government or Public Sector undertakings in India, declaration to this effect shall be uploaded.	Self-declaration shall be uploaded on own letterhead duly signed & seal by Authorized signatory.
8.	Financial stability of the Bidder	a) The Bidder (Prime bidder in case of consortium) should have average turnover of Rs.5,00,00,000/- (Rupees Five crores only) in last three consecutive financial years i.e. 2014-15, 2015-16 and 2016-17.	Certified copies of Audited Financial statements providing the Turn Over details for the last three financial years, viz. 2014-15, 2015-16 and 2016-17 shall be submitted for the same.
		b) The Bidder (Prime bidder in case of consortium) Liquid assets consisting of Cash in Hand plus cash at bank plus term deposits with bank plus availability of fund based credit facility in any scheduled commercial bank as on 30/09/2017 or at a later date but before opening of technical bid shall not be less Rs.1,25,00,000/- (Rupees One Crore and Twenty Five Lakhs only)	The cash in hand, cash at bank and term deposits with as on 30/09/2017 or at a later date but before opening of Technical bid shall be supported by a CA and the availability of fund based credit facility shall be supported by a certificate issued by any scheduled commercial bank with whom the bidder has the banking facility. Note: Bidder has to submit required proof from the CA/Bank with duly signed by authority.

2.7.2 Technical Marks

Sr. No.	Parameters	Maximum Marks
1	The Bidder/ Consortium member having Quality Certification Appropriate ISO 9001:2008 or latest. Bidder has to submit/upload the copy of the certificate.	5
2	The Bidder (Prime bidder in case of consortium) should have average turnover of Rs. 5,00,00,000 (Rupees Five crores only) in last three consecutive financial years i.e. 2014-15, 2015-16 and 2016-17. Rs. 5 Cr. – 3 Mark Rs. 5 Cr. to Rs. 10 Cr. – 5 Marks	10

RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)

	Rs. 10 Cr. to Rs. 15 Cr. – 7 Marks Above Rs. 15 Cr. – 10 Marks <i>Bidder has to submit/upload copy of evidence proof</i>	
3	Bidder have experience in Smart Class Room project in State/Central Government in India with Minimum contract value is Rs. 3 Cr. in last 5 years (i.e. Period 1 st Oct 2012 to 31 st Oct 2017): 3 Projects – 5 Marks 7 Projects - 8 Marks 10 Project & above – 10 Marks <i>(Self-Declaration on letter head with clearly mention the Contract amount, project details along with attached respective Work Order/ Completion certificate has to be submitted/uploaded as an evidence proof)</i>	10
4	Bidder has successfully implemented Total no. of smart class room in Govt. Schools. 30 Projects – 5 Marks 50 Projects - 8 Marks 100 Project & above – 10 Marks <i>(Self-Declaration on letter head with clearly mention the Contract amount, project details along with attached respective Work Order/ Completion certificate has to be submitted/uploaded as an evidence proof)</i>	10
5	Bidder should have experience in IT related implementation i.e. ERP/Enterprise Architecture/Data Center/CCTV-Surveillance/ Wi-fi/, IT-Networking) in last Three Years (i.e. Period from 1 st Oct 2014 to 31 st Oct 2017). 3 Projects – 5 marks 5 Projects – 7 marks 10 Projects & above- 10 marks <i>(Self-Declaration on letter head with clearly mention the Contract amount, project details along with attached respective Work Order/ Completion certificate has to be submitted/uploaded as an evidence proof)</i>	10
6	The Bidder have CMMi certification: a) CMMi-3 Level Certificate - 3 Marks b) CMMi-5 Level Certificate - 5 Marks <i>Bidder has to submit/upload copy of the certificate, as an evidence proof)</i>	5
7	Bidder should have at least one office/support center in Gwalior, India. <i>(as per clause 2.7.1 Sr. no. 4, has to upload/submit the evidence proof)</i>	5
8	Strengths of Resources (full time permanent On-Roll Employee) a) 100-150 Employee- 2 marks b) 150- 200 Employee- 5 marks c) 200-500 employee- 7 marks d) >500 employee- 10 marks <i>Lead Bidder has to declare on letter head with Authorized signatory.</i>	10
9	Approach & Methodology including but not limited to the following: a) Mapping of Approach & Methodology as per the Scope of Work requirements. b) Proposed Business Model (Cost effective & Viable) c) Proposed updated technology with less human intervention	10

10	<p>Bidder should fulfil compliance sheet, as mentioned in Form-18 for required Hardware/Software and other, as per scope of work.</p> <ul style="list-style-type: none"> • 100% Compliance- 15 marks • 98%-99.99% Compliance- 10 marks • 95%-97.99% Compliance- 5 marks • 90% -94.99% Compliance- 2 marks • Below 90% - 0 Marks 	15
11	<p>Technical Presentation:</p> <p><i>Minimum parameters for evaluation of Presentation :</i></p> <p>a) Bidder Introduction</p> <p>b) Firm Capabilities and Previous Experience in Smart Class room implementation in minimum three projects.</p> <p>c) Understanding of the Scope of work and project</p> <p>d) Proposed Smart Class Solutions (Solution Proposal Offered in term of Overall Architecture; Solution Design, Implementation Plan, propose method of project execution)</p> <p>e) Proposed Implementation Plan.</p> <p>f) Proposed Support and Maintenance Plan.</p> <p>g) Intergradation Plan with CCC and Mobile integration (as per the scope mentioned)</p> <p>h) Propose Test & Go-Live plan and approach Methodology.</p> <p>i) Propose Education content and Training of stakeholders plan.</p> <p>j) Propose Dashboard and functionalities & features, Tracking and monitoring of the smart class room, as scope mentioned.</p> <p>Note: GSCDCL would inform to qualified bidders for the schedule of Presentation</p>	10
Total		100

Note:

- Bidder should get 70% marks to qualify the evaluation.
- Bidder should submit/upload mentioned evidence proofs, as required to evaluate the technical marks in above table.

2.8 Eligible Bidder

- 2.8.1 The Bidder will be declared as a Qualified Bidder based on meeting the Eligibility Criteria as demonstrated based on documentary evidence submitted by the Bidder along with the Bid.
- 2.8.2 A Bidder can submit only one Bid in response to this RFP in either capacity or as a consortium. In case of multiple Bids by a Bidder all the Bids thus submitted shall be rejected.
- 2.8.3 The Bidder shall not have a conflict of interest with one or more parties in this bidding process. Participation by Bidder(s) with a conflict of interest

situation will result in the disqualification of all Bids in which it is involved. The GSCDCL considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitute a prohibited corrupt practice

2.9 Bidder to obtain information on its own

2.9.1 The Bidder shall for all purposes deemed to have independently obtained all necessary information for the purpose of preparing its/ their Bid. The Bidder shall be deemed to have visited the Site and familiarized itself/themselves thoroughly with the Site conditions before submitting the Bid. The cost of visiting the sites shall be borne by the Bidder. Non-familiarity with the Site conditions will not be considered either for extra claims or implementation of the Project in strict conformity with RFP and the contract.

2.9.2 The Bidder shall be deemed to have visited the sites, to have satisfied himself to the nature of all existing business processes and also as to the nature and the conditions of available facilities and communications and possible interruptions there to the access and egress from Site and to have made enquiries, examined satisfied himself of the Site in respect to requirements for executing the Project and to have made local independent enquiries on all matters affecting the Contract. Bidder is deemed to have acquainted itself/ themselves of the liability for payment of statutory taxes, duties, levies, customs and other charges.

2.9.3 Any change in the conditions of the Site or technological requirement(s) shall be binding on the Bidder and no extra claim on this account shall be entertained.

2.9.4 The verbal agreement or inference from conversation with any employee or consultant/s of the GSCDCL before, during or after the execution of the Contract Agreement shall not in any way affect or modify the terms and obligations herein contained.

2.10 Clarification on Bid Document

2.10.1 Bidder requiring any clarification on the Document may notify GSCDCL by e-mail (gscdcltender@gmail.com) in writing before from the date of pre-bid conference, as mentioned in RFP Schedule. Similarly, if a Bidder feels that any important provision in the RFP is unacceptable, such an issue should be raised at this stage. GSCDCL will respond during pre-bid conference (date, time and venue will be as mentioned in RFP Schedule) to any request for clarification or modification of the document. Authorized Representatives

limited to a maximum of 2 (two) per Bidder will be allowed to attend the pre-bid conference. Personal queries from individuals shall not be entertained. Non-attendance at the pre-bid conference will not be a cause for disqualification of a Bidder.

2.10.2 The purpose of the pre-bid conference will be to clarify any issues regarding the RFP including in particular, issues raised in writing and submitted by the Bidders.

2.10.3 GSCDCL shall endeavor to respond to the questions raised or clarifications sought by the Bidders. However, GSCDCL reserves the right not to respond to any question or provide any clarification, in its sole discretion and is not under any obligation to entertain/ respond to suggestions made or to incorporate modifications sought for.

2.10.4 Minutes of the pre-bid conference including the list of the questions raised and the responses given during the meeting together with any response prepared after the meeting will be hosted on www.mpeproc.gov.in.

2.10.5 Pursuant to the pre-bid conference, if GSCDCL deems necessary to amend the RFP, it shall be done by issuing amendment/ corrigendum.

2.10.6 Except for responses to request for any clarifications on the Bid, the Bidder shall not contact the GSCDCL by any means for any matter related to this Bid from the time of submission of the Bid until the Contract is awarded to and accepted by the Successful Bidder unless otherwise requested by GSCDCL

2.10.7 A prospective Bidder requiring any clarification on the Document may submit his queries, in writing, at the mailing address and as per schedule indicated in "Invitation for Bids/ Key events and dates". The queries must be submitted in the following format only to be considered for clarification.

Sl. no.	Section no./ Clause no.	Page no.	Description/ Reference/ Subject	Clarification Sought

The queries not adhering to the above mentioned format would not be responded. Any query received after the pre-bid meeting shall not be entertained. The clarifications will be uploaded on the e-Procurement portal (www.mpeproc.gov.in).

2.11 Amendment of RFP

- 2.11.1 The Bidders are advised to submit their Bids complete in all respect. The Bidder shall submit a comprehensive list of attached forms/declarations/certificates etc. in response to Document.
- 2.11.2 The Bidders are advised to fill specified Forms, in respect of each and every item by strictly following the instructions, footnotes etc., to facilitate the GSCDCL in speedy evaluation of Bids. Failure to do so may prevent the Bid from being considered by the GSCDCL.
- 2.11.3 This is a zero deviation Bidding Process. The Bidder is to ensure compliance of all provisions of the RFP and submit its Bid accordingly. Bids in deviation to any of the provisions of RFP shall be liable for rejection by GSCDCL.

2.12 RFP document Fee

- 2.12.1 RFP can be downloaded from the website www.mpeproc.gov.in. RFP Fee shall be paid only online through credit card/ debit card/ net banking at online-tendering payment gateway. The RFP fee is non-refundable The Bids submitted without the payment of the RFP fee shall be out rightly rejected.

2.13 Earnest Money Deposit (EMD)

- 2.13.1 In terms of the RFP, a Bidder is required to submit EMD of Rs. 5,00,000/- (Rupees Five Lakhs Only) in the form of Demand Draft/ Fixed Deposit Receipt(s)/ Bank Guarantee (*Proforma for EMD specified in Form-12*) issued by any nationalized/ scheduled commercial bank in favor of “Executive Director, GSCDCL”, Gwalior. The EMD shall be valid for a period of 180 days.
- 2.13.2 The EMD of unsuccessful bidders will be returned within 90 (ninety) days from the date of opening of the Financial Bid. The Bid Security, for the amount mentioned above, of the Successful Bidder would be returned upon submission of Performance Bank Guarantee for an amount equal to 10% of the contract value in the format provided in Form-13 of the RFP.
- 2.13.3 No interest will be paid by GSCDCL on the EMD amount and EMD will be refunded to the all Bidders (including the Successful Bidders) without any accrued interest on it.
- 2.13.4 The Bid submitted without EMD, mentioned above, will be summarily rejected.
- 2.13.5 The EMD may be forfeited:
- a) If a Bidder withdraws its bid or changes/ modifies its Bid during the Bid Validity Period.
 - b) In case of a Successful Bidders, if it fails to sign the contract in

accordance with the terms and conditions.

- c) If during the Bidding Process, a Bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
- d) If, during the Bidding Process, any information is found false/ fraudulent/ mala fide, and then GSCDCL shall reject the Bid and, if necessary, initiate action.

2.13.6 The decision of GSCDCL regarding forfeiture of the EMD shall be final and binding upon the Bidders.

2.14 Procedure for submission of Bid

2.14.1 Bid Submission Format:

The entire Bid shall be submitted strictly as per the format specified in this RFP. Bids in deviation from the prescribed format are liable for rejection.

2.14.2 Bid Submission Instruction:

- a) Bids are invited on a competitive bidding process adopting e-tendering method wherein Bidders shall be required to submit the Financial Bid online. Further, the Bidders shall also submit in a single sealed cover envelope containing Cover 1, Cover 2 and Cover 3 duly sealed separately. It is clarified that the Financial Bid shall be submitted only online. The envelopes should contain the documents as detailed in Clause [●] of Volume I above.
- b) The 3 (three) envelopes shall be kept in an outermost Envelope. All the envelopes should be super scribed as “Bid for Implementation of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)”
- c) The Bidders have the option of sending their Bid either by registered post; or speed post; or courier; or by hand delivery, so as to reach GSCDCL within the Bid Deadline. Bids submitted by telex/ telegram/ fax/ e-mail shall not be considered under any circumstances. GSCDCL shall not be responsible for any delay in receipt of the Bid. Any Bid received after the Bid Deadline shall be returned unopened by GSCDCL. It should be noted that apart from the Financial Bid no other document should contain any information/ document relating to the Financial Bid.
- d) All pages of the Bid and any other document executed on non-judicial stamp paper, forming part of the Bid and corrections in the Bid, if any, must be signed by the authorized signatory on behalf of the Bidder. It is clarified that the same authorized signatory shall sign all pages of the Bid. However, any

published document submitted with the Bid shall be signed by the authorized signatory at least on the first and last page of such document. The Bidders shall submit the Bid in original, duly signed by the authorized signatory of the Bidder. No change or supplemental information to a Bid will be accepted after the Bid Deadline, unless the same is requested for by GSCDCL.

- e) The Bid shall contain no interlineations or overwriting, except as necessary to correct errors made by the Bidder themselves. In the event of such corrections, the authorized representative of the Bidder who has signed the Bid shall initial such corrections.
- f) If the outer cover envelope or cover 1, cover 2 and cover 3 is/are not closed/sealed and not super scribed as per the specified requirement, NMSCDCL will assume no responsibility for the Bid's misplacement or premature opening.
- g) All the envelopes shall be sealed properly and shall indicate the name and address of the Bidder. The Bid must be complete in all technical and commercial respect and should contain requisite certificates, drawings, informative literature etc. as per the terms of the RFP. Any term/ condition proposed by the Bidder in its Bid which is not in accordance with the terms and conditions of the RFP shall be considered as a conditional Bid and will make the Bid invalid.
- h) The complete Bidding Process will be online (e-Tendering). The three cover system submission of Bids shall be in accordance with the instructions given in the Table below:

Particulars	Instructions
Cover 1	<p>Online submission:</p> <ul style="list-style-type: none">▪ Proof of payment of RFP fee;▪ Scan copy of EMD; and▪ Scan copy of Power of Attorney in favor of Authorized Signatory. <p>Offline submission:</p> <ul style="list-style-type: none">▪ Proof of submission of RFP;▪ Fee, original EMD; and▪ Original Power of Attorney in favor of authorized signatory

<p>Cover 2: Pre-Qualification Bid</p>	<p>Online submission:</p> <ul style="list-style-type: none"> ▪ Scan copy of documents towards the Pre-Qualification Criteria. <p>Offline submission:</p> <ul style="list-style-type: none"> ▪ Documents towards the Pre-Qualification Criteria.
<p>Cover 3: Technical Bid</p>	<p>Online submission:</p> <ul style="list-style-type: none"> ▪ Scan copy of documents towards the Eligibility Criteria. <p>Offline submission:</p> <ul style="list-style-type: none"> ▪ Documents towards the Eligibility Criteria.
<p>Financial Proposal</p>	<p>The Financial Proposal should be submitted only online.</p>

Note:

- a) *It is clarified that the Bids submitted only in hard copy shall be out rightly rejected. The evaluation shall be on the basis of the documents submitted online. It is clarified that in case of any discrepancy in the online submission and offline submission, the contents of online submission shall prevail.*
- b) *The following points shall be in consideration for submission of Bids;*
- I. *GSCDCL shall not accept delivery of Bids in any manner other than that specified in this RFP. Bid delivered in any other manner shall be treated as defective, invalid and rejected.*
 - II. *The Bid should be comprehensive and inclusive of all the services to be provided by the Bidder as per the scope of work and in accordance with the terms and conditions as set out in the RFP.*
 - III. *GSCDCL may seek clarifications from the Bidder on the Technical Bid. Any of the clarifications by the Bidder on the Technical Bid should not have any commercial implications. The Financial Bid submitted by the Bidder should be inclusive of all the items as per the RFP.*
 - IV. *Any document submitted by the Bidder under the Bid apart from the Financial Bid shall not contain any financial information.*
 - V. *If any Bidder does not qualify the Pre-qualification Criteria stated in Clause 2.7.1 of this RFP, the Technical Bid and Financial Bid of the Bidder shall not be opened in the e-Tendering system. Similarly, if the Bidder does not meet the Evaluation Criteria, the Financial Bid of the Bidder shall remain unopened in the e-Tendering system.*
 - VI. *It is required that the all the Bids submitted in response to this RFP should be unconditional in all respects, failing which GSCDCL reserves the right to reject the Bid.*

2.15 Corrupt Practice

2.15.1 Each Bidder shall observe the highest standard of ethics during and after the Bidding Process.

The following definitions apply:

- Corrupt practice means the offering, giving receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any party in the procurement process or the execution of a contract.
- Fraudulent practice means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract.
- Collusive practices means a scheme or arrangement between two or more Bidder , with or without the knowledge of the GSCDCL , designed to influence the action of any party in a procurement process or the execution of a contract.
- Coercive practices means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a contract;

2.15.2 GSCDCL will reject a Bid for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract.

2.15.3 GSCDCL will sanction a party or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in any projects if it at any time determines that the Bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, a GSCDCL contract.

2.16 Conflict of Interest

2.16.1 Bidder shall hold GSCDCL interest paramount, without any consideration for future work and strictly avoid conflict with other assignment or their own corporate interest.

2.16.2 Bidder should not be engaged in any such business (excluding any work assigned to them by GSCDCL) which has conflict of interest with the Project.

2.16.3 GSCDCL considers a conflict of interest to be a situation in which a party

has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations, and that such conflict of interest may contribute to or constitute a prohibited corrupt practice. A Bidder may be considered to be in a conflict of interest with one or more parties in this Bidding Process if, including but not limited to:

- 2.16.3.1 Receive or have received any direct or indirect subsidy from any of them; or have common controlling shareholders, or
- 2.16.3.2 Have the same legal representative for purposes of this Bid, or
- 2.16.3.3 Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder , or
- 2.16.3.4 Influence the decisions of GSCDCL regarding this Bidding Process, or
- 2.16.3.5 Bidder participates in more than one bid in this bidding process. Participation in more than one Bid will result in the disqualification of all Bids in which it is involved.
- 2.16.3.6 Bidder gets associated as a Consultant/Advisor/Third party independent evaluating agency with any of the agencies taking part in the Bidding Process.
- 2.16.3.7 Bidder have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of their Employer, or that may reasonably be perceived as having this effect. If the Bidder fails to disclose said situations and if the Employer comes to know about any such situation at any time, it may lead to the disqualification of the Bidder during bidding process or the termination of its Contract during execution of assignment.

2.17 Right of GSCDCL to Accept or Reject Bids

- 2.17.1 GSCDCL reserves the right to accept or reject any Bid and to annul the Bidding Process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or any obligation to inform the affected Bidder or Bidder of the grounds for the GSCDCL action.
- 2.17.2 The right to accept the Bids in response to this RFP will rest with GSCDCL. GSCDCL further does not bind itself to accept the Bid with highest final score

and reserves the GSCDCL to reject any or all the Bids received without assigning any reason whatsoever.

2.17.3 GSCDCL reserves to itself the right to accept Bids in respect of all items, any one item or part of an item, and the acceptance thereof shall be deemed as sufficient notice of exercise of such right. The Bid shall thereafter be for the quantity so accepted which will form the Contract.

2.17.4 Bid in which any of the particulars and prescribed information is missing or incomplete in any respect and/or prescribed conditions are not fulfilled are liable to be rejected. The decision of the GSCDCL in respect of the above shall be final and binding on the Bidder.

2.17.5 Canvassing in connection with Bid is strictly prohibited. The submitted Bid of the Bidder who resorts to canvassing is liable to be rejected. Bid containing uncalled remarks or any additional conditions are liable to be rejected.

2.17.6 The Bid submitted may be rejected in the following, but not limited to, circumstances:

2.17.6.1 Any Bid received by GSCDCL after the Bid Deadline, or

2.17.6.2 Any Bid submitted by fax or e-mail, or

2.17.6.3 Any Bid mentioning deviations from the scope of work and terms & conditions as mentioned in this RFP, or

2.17.6.4 Any Bid which does not have necessary information strictly in a prescribed formats, or

2.17.6.5 Any Bid containing credentials which were found to be misleading/false based on verification by GSCDCL, or

2.17.6.6 Any Bidder who does not accept the correction of arithmetical errors (according to methodology as prescribed in this Document) in its Financial Bid, or

2.17.6.7 Any Bidder who conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in the Bid, in any manner whatsoever, or

2.17.6.8 Any Bidder who found to have indulged in any corrupt or fraudulent practice or in any practice, which is not in conformity with the highest ethical standards.

2.17.7 Apart from above, GSCDCL reserves the right to reject any or all Bids without citing any reason if deemed in the best interest of the GSCDCL to do so.

2.18 Bid Opening

2.18.1 Electronically submitted bid shall be opened first at the same time and date as specified in RFP schedule or as per e-Procurement Portal.

- 2.18.2 The e-procurement system allows the GSCDCL to download and open the e-submitted bid files from Bidder(s) only after the time for opening the bids.
- 2.18.3 The e-submitted bids must be readable through open standards interfaces. Unreadable and or partially submitted Bid shall be considered incomplete and shall be rejected.
- 2.18.4 After opening of e-submitted Bids, all files shall be printed and recorded at the time of opening of Bid. In case of "withdrawal" or "modification" or "substitution" by the Bidder through e-submission, the e-submitted PDF files under "withdrawal" or "modification" or "substitution" shall be opened and read out first. Bids for which acceptable notice of "withdrawal" or "substitution" has been submitted pursuant to Clauses of this section, shall not be opened.
- 2.18.5 Total transparency shall be observed and ensured while opening the Bids. All Bids shall be opened in the presence of Bidder's representatives who choose to attend the Bid opening sessions on the specified date, time and address as per the RFP schedule.
- 2.18.6 GSCDCL reserves the rights at all times to postpone or cancel a scheduled Bid opening.
- 2.18.7 Bid opening shall be conducted in 2 (Two) Stages;
- a) Stage 1 - Cover 1, Cover 2 and Cover 3.
 - b) Stage 2- Financial Proposal.
- 2.18.8 The venue, date and time for opening the Pre-qualification Proposal are mentioned in the RFP Schedule. The date and time for opening the Financial Bids would be communicated to the Qualified Bidders.
- 2.18.9 The Financial Bids of only those Bidders will be opened who scores equal to or more than 70 (Seventy) marks in technical evaluation.
- 2.18.10 The representatives of the Bidders who are present shall sign a register evidencing their attendance. In the event of the specified date of Bid opening being declared a holiday for GSCDCL, the Bids shall be opened at the same time and location on the next working day. In addition to that, if the representative(s) of the Bidder remains absent GSCDCL will continue process and open the all the Bids.
- 2.18.11 During Bid opening, preliminary scrutiny of the Bid documents shall be made to determine whether they are complete, whether required EMD has

been furnished, whether the Documents have been properly signed, and whether the bids are generally in order. Bids not conforming to such preliminary requirements shall be prima facie rejected. GSCDCL has the right to reject the Bid after due diligence is done.

2.19 Bid Evaluation

2.19.1 Bid Evaluation Process

2.19.1.1 The evaluation process of the Bids, proposed to be adopted by GSCDCL is indicated under this clause. The purpose of this clause is only to provide the Bidder an idea of the evaluation process. However, GSCDCL reserves the right to modify the evaluation process at any time during the Bidding Process, without assigning any reason, whatsoever and without any requirement of intimating the Bidder of any such change.

2.19.1.2 GSCDCL will constitute a Bid Evaluation Committee to evaluate the responses of the bidders.

2.19.1.3 The Bid Evaluation Committee constituted by GSCDCL shall evaluate the responses to the RFP (Cover 1, Cover 2, and Cover 3) and all supporting documents/ documentary evidence. Inability to submit requisite supporting documents /documentary evidence, may lead to rejection.

2.19.1.4 The decision of the Bid Evaluation Committee in the evaluation of responses to the RFP shall be final. No correspondence shall be entertained outside the process with the Bid Evaluation Committee.

2.19.1.5 The Bid Evaluation Committee may ask for meetings with the Bidders to seek clarifications on their proposals and may visit Bidder's client site to validate the credentials/ citations claimed by the Bidder.

2.19.1.6 The Bid Evaluation Committee reserves the right to reject any or all proposals on the basis of any deviations.

2.19.1.7 Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP.

2.19.1.8 that the Bid Evaluation Committee may seek inputs from professional, external experts in the Bid evaluation process.

2.19.2 Preliminary Evaluation

a) The Bid Evaluation Committee will examine the Bids to determine whether they are complete and confirms to the RFP, whether any computational

errors have been made, whether required RFP fee has been paid, whether the documents have been properly signed and etc.

- b) A Bid determined as not substantially responsive will be rejected by GSCDCL.

2.19.3 Evaluation of Pre-Qualification Bid

- a) GSCDCL shall open Cover-1. If the contents of the Cover-1 are as per requirements of the RFP, GSCDCL shall open Cover-2 marked “Pre-Qualification Proposal”.
- b) Bid Evaluation Committee will carry out a detailed evaluation of the Technical Bids received by it in order to determine whether they are substantially responsive to the requirements set forth in the RFP. In order to reach such a determination, the Bid Evaluation Committee will examine the information supplied by the Bidders, and shall evaluate the same as per the evaluation criteria specified in this RFP. In the stage of evaluation, a Bid shall be rejected if it is found deficient as per the requirement specified in this RFP.

2.19.4 Evaluation of Technical Bid

- a) The Objective of the Technical bid evaluation is to short list bidders who have the technical expertise/skills that are essential to establish/ implement the Project.
- b) Only those Bidder who are short-listed and qualified in the Pre-Qualification shall be considered for technical evaluation.
- c) The Technical Bids shall be evaluated by the Bid Evaluation Committee based on point system, assessing each Bidder as per the requirements specified in clause 2.7 and technical evaluation criteria as mentioned in clause 2.7.2.
- d) In order to assist in the examination, evaluation and comparison of Bids, GSCDCL may at its discretion ask the Bidder for a clarification regarding its Bid. The clarification shall be given in writing immediately. However, such a clarification shall not include anything pertaining to or indicating to the Financial Bid.

Note:

Bidders/Agencies meeting the compliance requirement on all the pre-qualification will be eligible for technical evaluation. Only those bidders scoring 70% or above in the technical evaluation criteria will be qualified for further process.

2.19.5 Evaluation of Financial Bid

- a) All the Qqualified Bidders will be notified to participate in Financial Bid

- opening process.
- b) Financial Bids of the Qualified Bidders will then be opened on the notified date and time and reviewed to determine whether the Financial Bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at the discretion of GSCDCL.
 - c) The Financial Bid shall be provided as per the format provided in Form-11.
 - e) If there is a discrepancy between words and figures, the amount in words shall prevail. For any other calculation/ summation error etc. the Bid may be rejected.

2.20 Dis-qualification

The Bid is liable to be disqualified in case Bidder fails to meet the bidding requirements as indicated in RFP and in the following cases:

- a) Proposal not submitted in accordance with the procedure and formats prescribed in this RFP.
- b) Proposal is received in incomplete form.
- c) The documents are not received as per format mentioned in the RFP.
- d) The Bid is not supported by all the requisite documents.
- e) Information submitted in Technical Bid is found to be misrepresented, incorrect or false, accidentally, unwittingly or otherwise, at any time during the processing of the contract (no matter at what stage) or during the tenure of contract including the extension period, if any.
- f) The Bidder tries to influence the proposal evaluation process by unlawful means at any point of time during the Bidding Process.

The Bidder may specifically note that while evaluating the proposals, if it comes to knowledge of GSCDCL expressly or implied, that some Bidder may have colluded in any manner whatsoever or otherwise joined to form an alliance resulting in delaying the processing of Bids, then the Bidder(s) so involved are liable to be disqualified under this RFP as well as for a further period of five years from participation in any of the bidding documents floated by GSCDCL or entering into any contract with GSCDCL.

2.21 Award Criteria

- 2.21.1 The cost indicated in the Financial Proposal shall be deemed as final and reflecting the total cost of services and should be stated in INR only. Omissions, if any, in costing of any item shall not entitle the Bidder to be compensated and the liability to fulfill its obligations as per the Terms of Reference within the total quoted price shall be that of the Bidder. The Bidder shall bear all taxes, duties, fees, levies and other charges imposed under the Applicable Law as applicable. The lowest Financial Proposal (Fm) will be given a financial score (Sf) of 100

points. The financial scores (Sf) of the other Financial Proposals will be determined using the following formula:

$$\mathbf{Sf = 100 \times Fm/F}$$

In which Sf is the financial score, Fm is the lowest Financial Proposal, and F is the Financial Proposal (in INR) under consideration. Proposals will be finally ranked in accordance with their combined technical (St) and financial (Sf) scores:

$$\mathbf{S = [(St \times Tw) + (Sf \times Fw)]}$$

Where S is the combined score, and Tw and Fw are weights assigned to Technical and Financial Proposal that will be **70:30**.

- GSCDCL reserves the right to further negotiate the prices quoted by the successful bidder.
- Bidder achieving the highest combined technical and financial score will be considered to be the successful bidder and will be issued the Letter of Acceptance (LoA).
- If there is more than one bidder achieving (combined technical and financial score) the equal score, GSCDCL reserves the right to select the Bidder(s) and that will be binding on all bidders.

2.21.2 The GSCDCL will award the Contract to the successful bidder whose bid has been determined to be substantially responsive and has secured the highest Final Score as per above computation will be considered. Bidder could be declared as a successful bidder by the GSCDCL after the completion of negotiation process, as mentioned in clause. The GSCDCL shall be the sole judge in this regard.

2.21.2.1 For the purpose of determining the capability and capacity of the bidder to perform the Contract, the GSCDCL reserves the right to verify the authenticity of the documents submitted by the bidder for meeting the qualification requirements and may undertake verification of the manufacturing facilities available with the bidder.

2.21.3 **LoA (Letter of Award)**

2.21.3.1 After approval of bid evaluation by GSCDCL, the successful bidder may be invited for pre-award discussions. After pre-award discussions and prior to the expiry of the period of bid validity, GSCDCL will notify the successful bidder in writing by registered letter or by email or fax in two (2) copies, that his/her bid has been accepted. This LoA shall provide the Project Cost .

2.21.3.2 Within Five (5) days of receipt of the LoA, the successful Bidder shall sign and return one (1) copy of the same to GSCDCL as acknowledgment of acceptance of the same.

2.21.4 Performance Bank Guarantee (PBG)

2.21.4.1 Within fifteen (15) calendar days of issue of LoA by the GSCDCL, the Successful Bidder shall furnish the Performance Bank Guarantee (PBG) for an amount equivalent to ten percent (10%) of the Project Cost in the format provided in Form (*Proforma for Performance Bank Guarantee*) acceptable to the GSCDCL. The PBG shall be from a Nationalized Bank in the format prescribed in RFP, payable on demand, for the due performance and fulfilment of the contract by the Successful Bidder.

2.21.4.2 If the Successful Bidder fails to furnish the Performance Bank Guarantee within the specified time limit, his Bid Security will be forfeited and the GSCDCL will have right to cancel the LoA and negotiate with the Bidder having second highest Final Score for placing the fresh LoA.

2.21.4.3 Submission of the Performance Bank Guarantee (PBG) in given time to GSCDCL by Bidder. GSCDCL issue the DWA (Detailed Work Award) letter, as per the terms and condition and based on the final price for the contract after the negotiation. All project work schedule and mentioned deliverables (in Annexure) should count from the issue date of the DWA

2.22 Notification of Award

2.22.1. Prior to the expiration of the Bid Validity Period GSCDCL will notify the Successful Bidder in writing that its Bid has been accepted.

2.23 Signing of Contract

2.23.1 At the same time as the GSCDCL notifies the successful Bidder that his Bid has been accepted, the GSCDCL will issue the Letter of Award (LoA).

2.23.2 Within 5 days (working days) of receipt of the Letter of Award (LoA), the successful Bidder shall sign and submit a letter of acceptance to the GSCDCL. If the Successful Bidder fails to sign the Contract Agreement within the specified time limit, his Bid Security will be forfeited and the GSCDCL will have right to cancel the LoA and negotiate with the Bidder having second highest Final Score for placing the fresh LoA or invite fresh Bids.

2.23.3 The Successful Bidder shall execute the Contract Agreement as per the prescribed format within 15 (Fifteen) days from the issued date of LoA or any other time frame as may be specified in the LoA.

2.23.4 The Successful Bidder shall observe all the formalities stipulated in the LoA within the stipulated period. In the event of the Successful Bidder failing to deposit such security within the prescribed date, the EMD shall be forfeited and GSCDCL shall have full discretion to cancel the LoA.

2.23.5 Before awarding the LoA, GSCDCL may determine the capability and capacity

of the Successful Bidder to perform the Contract, GSCDCL reserves the right to verify the authenticity of the documents submitted by the Bidder for meeting the qualification requirements and may undertake verification of the manufacturing facilities (MAF) available with the Bidder.

2.24 Information to Bidder

2.24.1 The Bidders must have obtained a user ID and password in order to participate in the e-Procurement Process of Government of Madhya Pradesh. The Bidders who are not in possession of user ID and password should complete this requirement well in advance of the Bid Deadline.

2.25 Eligible Goods and Services and OEM Criteria

- a) The Bidder shall quote only one specific make and model from only one specific OEM, for each of the goods. Providing more than one option shall not be allowed. All goods quoted by the Bidder must be associated with item code and names and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder.
- b) The OEM for each products or technology quoted should be in the business of that product or solution or technology for at least 3 (Three) years as on the date of release of the RFP.
- c) All the OEMs should have authorized presence in India either directly or through channel partner(s) as on the date of release of RFP.
- d) The OEM for all active components should give a declaration that products or technology quoted are neither end-of-sale nor end-of-life as on the date of installation and commissioning and are not end-of-support till the successful completion of O&M period of the project as Form-8 in the RFP.
- e) The Bidder's proposed OEM should not have been blacklisted by any State/ Central Government Department or Central /State Public Sector Undertaking as on Bid submission date.
- f) Adequate supporting documents pertaining to the above points, along with a summary compliance table, should be submitted in the Bid.

3. Section III: General Conditions of Contract

3.1 Relationship

- a) Nothing mentioned herein shall be construed as relationship of master and servant or of principal and agent as between the 'GSCDCL and 'the applicant'. The applicants shall be fully responsible for the services performed by them.
- b) Neither party shall use the other parties name or any service or proprietary name, mark or logo of the other party for advertising or promotional purpose without first having obtained the other party's prior written approval.

3.2 Fraud and Corruption

The Bidder must observe the highest standards of ethics during the performance and execution of the Contract. GSCDCL may terminate the Contract if it has been determined by GSCDCL that the Contractor, directly or through an agent has been engaged in corrupt, fraudulent, unfair trade practices, coercive or collusive. These terms are defined as follows:

- (a) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of GSCDCL or any personnel in related to the execution of Bidder.
- (b) "Fraudulent practice" means a misrepresentation of facts, in order to influence a procurement process or the execution of a Bidder, to GSCDCL and includes collusive practice amongst the applicants (prior to or after Proposal submission) designed to establish proposal prices at artificially high or non-competitive levels and to deprive GSCDCL of the benefits of free and open competition.
- (c) "Unfair trade practices" means supply of services different from what is ordered on, or change in the scope of work which was agreed to.
- (d) "Coercive practices" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the execution of Contract.
- (e) "Collusive practices" means a scheme or arrangement between two or more applicants with or without the knowledge of GSCDCL, designed to establish prices at artificial, non-competitive levels.

3.3 Advertising and Promotion

The advertisement and marketing material (posts, marketing brochure content on the website, emails and postal letters etc.) used by the Bidder shall be in accordance with the guidelines laid down by GSCDCL and permission with GSCDCL.

3.4 Indemnity

The Bidder shall not misuse the name and logo of GSCDCL in any manner. In such cases, GSCDCL may initiate legal action against the Contractor. In case any harm is caused to any party or any litigation is instituted against GSCDCL owing to such misuse, the Contractor shall be liable to indemnify GSCDCL.

3.5 Confidential Information

3.5.1 Each Party shall keep confidential and shall not, without the written consent of the other Party here to, divulge to any third party any documents, data or other information furnished directly or indirectly by the other Party hereto in connection with or incidental to the Contract, whether such information has been furnished prior to, during or following termination of the Contract. Notwithstanding the above, the Contractor may furnish the details to its employees/ consultants/ agents, such documents, data and other information it receives from the GSCDCL to the extent required to perform Project in which event the Contractor shall obtain a non-disclosure agreement imposing the conditions of confidentiality similar to that imposed on the Contractor under this clause.

3.5.2 GSCDCL shall not use such documents, data and other information received from the Contractor for any purpose other than the operation and maintenance of the Project. Similarly, the Contractor shall not use such documents, data and other information received from GSCDCL or under the Project, for any purpose other than the execution of the Project or such other work and services as are required for the performance of the Contract.

3.5.3 The obligation of a Party under clauses defined above, however, shall not apply to that information which:

- a) Now or hereafter enters the public domain through no fault of that Party, or
- b) Can be proven to have been possessed by that Party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other Party hereto, or
- c) Otherwise lawfully becomes available to that Party from a third party that has no obligation of confidentiality.

3.5.4 The above provisions shall not in any way modify any undertaking of confidentiality given by either of the Parties hereto prior to the date of the Contract in respect of this Project or any part thereof.

3.5.5 The provisions of this clause shall survive termination, for whatever reason, of the Contract.

3.6 Damage to Property by the Bidder in the contract duration

3.6.1 Bidder shall deem to include taking into account that he/she has to work in GSCDCL premises and shall take sufficient care in moving the goods and resources from one place to another so that they do not cause any damage to any person or to the property of the GSCDCL. In the event of such damages including eventual interruption of services in any plant or establishment as estimated by the GSCDCL or ascertained or by the Third Party shall be borne by the Bidder.

3.6.2 Bidder shall also be responsible for making good to the satisfaction of the GSCDCL any loss or damage to all structures and properties belonging to the GSCDCL or being executed or procured or being procured by the GSCDCL or by other agency within the premises of all the Sites of the GSCDCL, if such loss or damages is due to fault and or negligence or wilful acts or omission of the Bidder, his employees, agents, representatives.

3.6.3 The Bidder shall indemnify and keep the GSCDCL harmless of all claims and damages to property other than GSCDCL property arising under or by reason of this Contract if such claims result from the fault and/or negligence or wilful acts or omission of the Bidder or representatives.

3.7 Safety & Security Code

3.7.1 General Safety

3.7.1.1 The Bidder shall adhere to safe working practice and guard against hazardous and unsafe working conditions and shall comply with GSCDCL's safety rule as set forth herein. Prior to start of the Project, Bidder will be furnished copies of GSCDCL Safety Code for information and guidance, if it has been prepared.

3.7.2 Security Code

3.7.2.1 Access to the Data Centre Sites and GSCDCL locations shall be strictly restricted. No access to any person except the essential personnel belonging to the Contractor who are genuinely required for execution of the Project or for carrying out management/maintenance who have been explicitly

authorized by the GSCDCL shall be allowed entry to the Data Centre/Server Sites and some GSCDCL locations. Even if allowed, access shall be restricted to the pertaining equipment of the GSCDCL only. The Bidder shall maintain a log of all activities carried out by each of its personnel.

3.7.2.2 The Bidder and its personnel or any other person visiting the GSCDCL premises and offices shall comply with all safety and security procedures in force from time to time. All people visiting any GSCDCL premises shall be liable to security check including, but not limited to, frisking by security staff at the gate. Any person shall not carry any goods or materials to GSCDCL premise as not permitted by such security requirements.

3.7.2.3 The Bidder and its personnel or any other person visiting the GSCDCL premises and offices shall comply with all confidentiality requirements about GSCDCL business and its activities and shall also provide in written a confidentiality undertaking in prescribed format required by the GSCDCL .

3.8 Liquidated Damages (LD)

3.8.1 The Bidder should bear in mind that time is the essence of the Contract. If the Bidder fails to complete the Scope of Work of the Project or any part thereof within the Time for Completion as per clause or any extension thereof as per clause, the GSCDCL shall recover from the Contractor as Liquidated Damage (LD) for such default and not as a penalty without prejudice to the GSCDCL other remedies under the Contract. For imposition of LD, the loss / damages suffered by the GSCDCL due to delays by the Bidder are the basic criteria.

3.8.2 In order to keep the Contract alive, provisional time extension will be granted to the Bidder so that delayed services can be accepted by the GSCDCL. A written communication in this regard shall be issued by the GSCDCL to the Bidder. Such provisional time extension will be without prejudice to all the obligations of the Contractor under the Contract and further without prejudice to the GSCDCL right to levy LD and other rights under the Contract.

3.8.3 The recovery towards compensation should take place when loss/damage have actually taken place on account of delay caused by the Bidder. Even if there is a delay in execution of the Contract and reasons for delay are attributable to the Bidder but the GSCDCL has not suffered any loss specifically due to delay in performance of the Contract, no sum as LD is recoverable from the Bidder. However, in such cases, a nominal LD as described in clause will be recovered.

3.8.4 Delay in performance of Bidder and Force Majeure conditions as per clause.

3.8.5 Calculation of Liquidated Damages: A sum equivalent to half percent (0.5%) of the total price, as referred in Form: Price Bid for each week of delay or part thereof which will elapse between the schedule time for completion and actual time for

completion of the Project. The total recovery against liquidated damage, however, shall not exceed ten percent (10%) of the total price for Implementation Services, as referred in Form: Price Bid. If the amount of LD exceeds this limit, the GSCDCL reserves right to terminate the Contract.

3.8.6 The GSCDCL may, without prejudice to any other method of recovery, deduct the amount of such damages from any money due or to become due to the Contractor. The payment deduction of such damages does not relieve the Contractor from his obligation to complete the Project or from any of his other obligations and liabilities under the Contract.

3.8.7 The Project will be deemed to have been completed only when all component parts/all items of Scope of Work are also delivered/completed. If certain components/items of Project are not delivered in time, the same will be considered as delayed until such time due missing/incomplete parts/items of Project are delivered/ completed.

3.9 Force Majeure

3.9.1 Force Majeure means any event or circumstance or combination of events and circumstances including those stated below that wholly or partly prevents or unavoidably delays the GSCDCL or the Bidder in the performance of their obligation under this Contract, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the affected Party and could not have been avoided if the affected Party had taken reasonable care or complied with prudent utility practices.

- a) Act of God, including, but not limited to lightning, drought, fire and explosion (to the extent originating from a source external to the Site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon, tornado, war embargo, or exceptionally adverse weather conditions which are in excess of the statistical measures for the last hundred (100) years, or
- b) Any act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, or
- c) Any event or circumstance of a nature analogous to any of the above.

3.9.2 Delay or non-performance by either Party here to cause by the occurrence of any event of Force Majeure shall not

- a) Constitute a default or breach of the Contract, or
- b) Give rise to any claim for damages or additional cost or expense occasioned thereby.

If and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure.

3.9.3 The Bidder or GSCDCL shall not be liable for delay in performing his obligations resulting from any Force Majeure cause as referred above.

3.9.4 If either Party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances there of within fifteen (15) calendar days after the occurrence of such event.

3.9.5 The Party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such Party's performance is prevented, hindered or delayed. The Time for Completion shall be extended in accordance with clause.

3.9.6 The Party or Parties affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect there of upon its or their performance of the Contract and to fulfil its or their obligations under the Contract, but without prejudice to either Party's right to proceed as per the provisions under clause.

3.9.7 If the performance of the Contract is substantially prevented, hindered or delayed on account of one or more events of Force Majeure during the currency of the Contract, the Parties will attempt to develop a mutually satisfactory solution, failing which the dispute shall be resolved in accordance with clause.

3.10 Limitation of Liability

3.10.1 Except in cases of gross negligence or wilful misconduct:

- a) Neither Party shall be liable to the other Party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Bidder to pay liquidated damages to the GSCDCL, and
- b) The aggregate liability of the Bidder to the GSCDCL, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the Contract Price. Provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Bidder to indemnify the GSCDCL with respect to patent infringement.

3.11 Termination of Contract

3.11.1 GSCDCL, without prejudice to any other rights or remedies for breach of Contract it may possess under the Contract, give a notice in writing to the Contractor in

the following circumstances stating the nature of the default and requiring the Contractor to remedy the same. If the Contractor fails to remedy or to take steps to remedy the same within fifteen (15) calendar days of its receipt of such notice, then GSCDCL may terminate the Contract forthwith by giving a written notice of thirty (30) calendar days to the Contractor.

- a) If the Contractor fails to commence the Project in the manner described in the Contract, or
- b) If the Contractor fails to carry on the work in conformity with the Contract, or
- c) If the Contractor fails to carry on the work to the satisfaction of the GSCDCL, or
- d) If the Contractor has abandoned or repudiated the Contract, or
- e) If the Contractor becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or a resolution is passed or order is made for its winding up (whether compulsory or voluntary not being merely a voluntary liquidation for the purpose of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Contractor takes or suffers any other analogous action in consequence of debt, or
- f) If the Contractor assigns or transfers the Contract or any right or interest therein in violation of the provision of Contract, or
- g) If the Bidder, in the judgment of the GSCDCL, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract including, but not limited to, wilful misrepresentation of facts concerning GSCDCL regarding the intellectual property rights in, or proper authorization and/or licenses from the GSCDCL to offer, the hardware, software, or materials provided under this Contract, or
- h) If the Contractor submits a false statement(s) which has a material effect on the rights, obligations or interests of the GSCDCL, or
- i) If the Contractor accepts any trade commission, discounts or similar payments from any third party in discharging their duties and obligations under this Contract, or
- j) If the Contractor refuses or is unable to provide sufficient goods, materials or services to execute and complete the Project in the manner specified in the agreed Project Plan at rates of progress that give reasonable assurance to the GSCDCL that the Contractor can meet user acceptance of the Project or a part thereof by the time for achieving user acceptance as extended; or
- k) If the amount of Liquidated Damage exceeds the limit specified in clause [●]

3.11.2 Upon receipt of the notice of termination, the Contractor shall either as soon as reasonably practical or upon the date specified in the notice of termination cease all further work, except for such work as the GSCDCL may specify in the notice of termination for the sole purpose of protecting that part of the Project related work already under completion. In addition, the Contractor shall:

- a) To the extent legally possible, assign to GSCDCL all right, title, and benefit of the Contractor to this Project, as at the date of termination, and, as may be required by the GSCDCL;
- b) Deliver to GSCDCL all specifications and other documents prepared by the Contractor as of the date of termination in connection with this Project; and
- c) To the extent legally possible, assign to GSCDCL all right, title and benefit of the Contractor to this Project, as at the date of termination.

3.11.3 Subject to the provisions of the Contract, the Contractor shall be entitled to be paid the Project Price attributable to the portion of the Project executed as at the date of termination and the costs, if any, incurred in protecting the Project and in leaving the Site in a clean and safe condition. Any sums due to GSCDCL from the Contractor accruing prior to the date of termination shall be deducted from the amount to be paid to the Contractor under this Contract.

3.11.4 The Contractor shall be liable to GSCDCL for any losses, excess costs for such/similar services, provided that the Contractor should continue the performance of the Contract to the extent not terminated under the provisions of this clause. If in the opinion of GSCDCL, the Contractor shall not be able to cure the fault even after notice, such notice shall not be necessary and the GSCDCL may terminate the Contract at the risk and cost of the Contractor.

3.11.5 Consequence of termination

3.11.5.1 Upon termination of the Contract, the Contractor shall prepare and present a detailed exit plan within five (5) calendar days of termination notice receipt to the GSCDCL. GSCDCL will review the exit plan. If approved, Contractor shall start working on the same immediately. If the plan is rejected, the Contractor shall prepare alternate plan within three (3) calendar days. If the second plan is also rejected, GSCDCL (or the authorized person) will provide a plan for Contractor and it should be adhered by the Contractor in totality. The exit plan should cover at least the following:

- a) Execute all documents that may be necessary to effectively transfer to GSCDCL ownership and title, including product warranties (if applicable);
- b) Handover all related documentation and other configurable items, (if any) in the possession of the Contractor;
- c) Handover the list of all IT assets, passwords at all locations to GSCDCL;
- d) Handover all important information and document, which might be required by GSCDCL with respect to the work performed by the Contractor under the Project.

3.11.5.2 The Contractor and GSCDCL (or the authorized person) will sign a completion certificate at the end of successful completion all this Project

3.12 Settlement of Disputes

3.12.1 Performance of the contract is governed by the terms and conditions of the contract, in case disputes arise between the parties regarding any matter under the contract, either Party of the contract may send a written Notice of Dispute to the other party. The Party receiving the Notice of Dispute will consider the Notice and respond to it in writing within 30 (thirty) days after the receipt. If that party fails to respond within 30 (thirty) days, or the dispute cannot be amicably settled within 60 (sixty) days following the response of that party, clause 3.13.2 shall become applicable.

3.12.2 Arbitration:

- a) No dispute can be raised except before the Competent Authority (Chief Executive Officer-GSCDCL) in writing giving full description and grounds of Dispute. It is clarified that merely recording protest while accepting measurement and/or payment shall not be taken as raising a dispute.
- b) No issue of dispute can be raised after 45 days of its occurrence. Any dispute raised after expiry of 45 days of its first occurrence shall not be entertained and the Employer shall not be liable for claims arising out of such disputes.
- c) The Competent Authority shall decide the matter within 45 days.
- d) Appeal against the order of the Competent Authority can be preferred within 30 days to the Appellate Authority (Executive Director-GSCDECL). The Appellate Authority shall decide the dispute within 45 days.
- e) Appeal against the order of the Appellate Authority can be preferred before the Madhya Pradesh Arbitration Tribunal constituted under Madhya Pradesh Adhikaran Adhiniyam, 1983.
- f) The contractor shall have to continue execution of the works with due diligence notwithstanding pendency of a dispute before any authority or forum.

3.13 Compliance with Laws and Regulations

3.13.1 The laws and regulations which are to apply to the Contractor and under which the Contract is to be constructed shall be Indian Laws and Regulations.

3.13.2 The Contractor shall, in all matters arising in the performance of the Contract, comply with in all respects, give all notices and pay all fees required by the provisions of any national or state statute, ordinance or other law or any regulation or bye-law of any duly constituted authority.

3.13.3 The Contractor shall adhere to the statutory provisions under Payment of Minimum Wages Act, Contract Labor (Regulation & Abolition) Act, Employee's Provident Fund & Miscellaneous Provisions Act, Workmen's Compensation Act, Right to Information Act, and other relevant statutes. All liabilities arising out of the non-compliance of the applicable statutes will have to be borne by the Contractor and GSCDCL will not be responsible in any manner whatsoever for the same. The Contractor further undertakes to indemnify GSCDCL in case of any liability arising on account of non-compliance by the Contractor of the

Statute.

3.13.4 The Contract shall in all respect be construed and interpreted in accordance with the Laws in force in India.

3.14 Change in Laws and Regulations

3.14.1 If any law, bylaws, regulation, ordinance or order having the force of law is enacted, promulgated, abrogated or changed in India (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Project Plan and/or the Project Cost, then such Project Plan and/or Project Cost shall be correspondingly increased or decreased. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with provisions of this RFP.

3.15 Exit Management

The selected Bidder will submit an exit management plan within one month of the award of the Project/ Project start date, whichever is later. Upon successful completion of the Project or upon termination of the Contract for any reasons, the Contractor shall comply with the following.

- a) Notify to GSCDCL forthwith the particulars of all Project assets;
- b) Deliver forthwith actual or constructive possession of the Project free and clear of all encumbrances and execute such deeds, writings and documents as may be required by GSCDCL, for fully and effectively divesting the Contractor of all of the rights, title and interest of the Contractor in the Project and conveying the Project;
- c) Comply with the divestment requirements..
- d) In the event of default, the Consultant shall have implemented the maintenance; Schedule as well as any repairs pointed out by GSCDCL official in its operations and maintenance inspection report prior to date of termination notice. In case of termination due to Force Majeure Event, the divestment requirements shall be mutually agreed between GSCDCL and the Contractor.

3.16 Warranty & Maintenance

- a) The selected Bidder shall provide complete maintenance support for all supplied hardware and other components. Hence, the selected Bidder should provide, free on-site maintenance services/ AMC(Annual Maintenance Support) for the period of 3-years. The Selected Bidder will enter into AMC agreement, after the expiry

of the comprehensive warranty period (2-years) of Hardware/Software.

- b) During the warranty period, the selected Bidder shall confirm that the goods supplied under the contract are new, unused, of the most recent version/ models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Selected Bidder further warrants that the goods supplied under this contract shall have no defects arising from design, materials or workmanship.
- c) GSCDCL or its designated officials shall promptly notify selected Bidder in writing of any claims arising under this warranty. Upon receipt of such notice, the selected Bidder shall, within the warranty period and with all reasonable speed, repair or replace the defective systems, without costs to GSCDCL and within time specified and acceptable to GSCDCL.
- d) If the selected Bidder, having been notified, fails to remedy the defect(s) within the period specified in the contract, GSCDCL may proceed to take such reasonable remedial action as may be necessary, at the risk and expense of the selected Bidder and without prejudice to any other rights, which GSCDCL may have against the selected Bidder under the contract.
- e) During the comprehensive warranty period, the selected bidder shall provide all product(s), patches/ fixes, and version upgrades within 15 (fifteen)_days of their availability and should carry out installation and make operational the same at no additional cost to GSCDCL.

The selected Bidder hereby warrants GSCDCL that:

- a) The supplied Hardware and Software meet all the requirements as outlined in the contract and provides the functionality and performance, as per the terms and conditions specified in the contract.
- b) The proposed Hardware and Software shall achieve parameters detailed in the technical specification/ requirement.
- c) The selected Bidder shall be responsible for warranty and maintenance services from licensors of products included in the systems.
- d) The selected Bidder shall ensure the maintenance of the acceptance criterion/ standards in respect of the systems during the warranty and maintenance period.

3.17 Intellectual Property Rights

GSCDCL shall remain the owner of all the content, source code (for open source), architecture and design documents along with wireframes/ prototype, if selected bidder would provide customized education content on open source environment for this project. In case of termination/ expiry of the Contract, the Vendor shall provide functional design documents and technical design documents along with other artifacts to GSCDCL. All analytical models, dictionaries and libraries created as a result of this Contract would be the property of GSCDCL, and all requisite intellectual property rights shall be transferred to GSCDCL at the time of completion of the Term. All intellectual property rights for the project artifacts “whether in tangible or intangible form shall belong to GSCDCL and the Vendor has no right to assign, license, sell, or use any content conceptualized, created and implemented under this engagement and/or accompanying agreement to any third party under any circumstances. All the project artifacts conceptualized, created, and implemented by the Vendor whether in tangible or intangible form shall bear relevant copyright notices in the name of GSCDCL. The Vendor shall take all such appropriate legal actions to safeguard violation of GSCDCL’s intellectual property rights. If a Vendor fails to take any action against breach of aforesaid right, the Vendor shall be liable for consequences and damages which may be regarded as offence under any law for the time being in force.

3.18 Integrity of the Agreement and Severability

This Project Contract Agreement contains the entire understanding of the Parties and supersedes all previous (except Bid conditions and RFP) oral understandings, agreements, representations, warranties or conditions apart from those expressly described herein.

If any provision of Project Contract Agreement is found to be invalid, such invalidity will not affect validity of other provisions of this Agreement and the Agreement shall be interpreted as if such provision does not exist. The Parties agree to substitute the invalid provision with a valid provision that has similar purposes and economic effect.

4. Section IV: Scope of Work

4.1 Scope of Work

4.1.1 The Smart class aims at bringing technology into the classroom. It brings an exhaustive repository of best digital modules or lessons (consisting of 2D and 3D animations, graphics, audio and video) on every subject, which the teacher could easily access and project in the classroom that illuminated & explained abstract, difficult concepts with liquid clarity, which improves academic performance of students with Animations, MCQ(Multiple Choice Questions) and Web-links to enhance knowledge. Project propose some of the cost effective solutions, easy – to- use Smart class set up, which would be embedded with multimedia digital content and mapped to the state curriculum.

4.1.2 Bidder has to supply, install and maintain computer hardware (i.e. Multimedia Projector (with Ceiling kit for each of the class), Interactive white Board, Sound System, CCTV Camera along with required accessory devices, Biometric device, Software and Peripherals with 2 years comprehensive warranty and 3 years comprehensive AMS (Annual Maintenance Support) in selected 37nos of class room of Municipal Schools. Bidder also provide training and hand holding to selected teachers of specified subjects of each class standards of Municipal Schools. Technical specifications and conditions as stipulated in this Section (Scope of Work).

4.1.3 Selected Bidder should establish digital class rooms with interactive display board for 1st to 12th class of Municipal Schools of PAN city area, as per the syllabus of the respective classes of the Municipal schools in Gwalior.

- Teacher’s of smart class room can access the digital contents in both online/offline mode and deliver to students. Education Content should be as per the syllabus of MP Board.
- Bidder has to provide the seamless cloud based education content to smart class room. Bidder has to manage required cloud storage, as per the education contents. The entire system should also work on a SaaS (Software as a Service model), where education content is available on the local computer and content Updation is done online in real time.
- Subject wise education content for various class standard should be verified & finalize by school head/subject teacher. Bidder has to share the content with school head/teacher and incorporate the inputs in content, if received.

4.1.4 Successful bidder has to provide following but not limited to:

- a) Procurement and installation of Hardware, Networking and other required S/w & H/w equipments to make run successful this smart class concept.

- b) Procurement Customization and Deployment of education Software, as per MP Board syllabus content.
- c) Management and Maintenance of Hardware and Software and content Updation.
- d) Training and Hand holding of Teachers.
- e) Online M.I.S. and analytical graphical Dashboard for monitoring and decision making for higher officials and School head, Dashboard as provide real time status of the smart class in all respects but not limited to :. Attendance of teachers and students, active of class lectures, School wise camera status and view, Teachers training schedule and status as school wise, Help desk call log status, hardware/software status etc. also considering the clause 4.1.19 & 4.1.26.
- f) Development and maintenance of web portal and Mobile app for browsing content for registered users.
- g) Help Desk Service Support for all specified Hardware/Software.
- h) Biometric access system for all 37nos. of Class room of Municipal Schools.
- i) Creation of Website/Domain for each of the school and Web/Mobile App Integration.
- j) Creation of unique email ids for students and teachers for making communication for sharing the educational related content etc.
- k) Bidder has to manage Cloud storage for Education content for students and teachers and other, as per the scope mentioned in RFP.
- l) CCTV Camera and Bio Metric System (which has to be integrated with CCC (Command & Control Center).

4.1.5 Carrying out complete FRS (Functional Requirement Specification) and SRS (System Requirement Specification), designing the software for the Smart classrooms solution, study and obtaining GSCDCL approval prior to development/customization of Application.

4.1.6 Education software module for smart class room solution also consists with following but not limited to;

- a) Student Module standards wise/ subject wise/ medium of instruction wise.
- b) Module for promoting extra-curricular activities i.e. Quiz, competition, test, debates etc.
- c) Remedial class modules for weak student.

4.1.7 The Bidder should provide software solution for smart classrooms. Required software licenses in the name of GSCDCL. The bidder shall have to supply all necessary accessories along with the supplied goods viz. appropriate cable, power supply cords/wires/cables, device drivers and documentation that may be required, whether mentioned or not mentioned in the tender, for successful acceptance of the quoted product by GSCDCL.

4.1.8 Under this project, the Application software will be hosted in the vendor's premises or any other and will be accessed by all the schools/ classrooms/

officials and staff. Selected Bidder will also maintain the application software after go-live. The bidder must have the full licensed rights in the name of GSCDCL of the software nationally as well as internationally of all software/operating systems developed and/or supplied to the GSCDCL for five years contract period, through this tender.

4.1.9 The proposed solution should be integrated with Command and Control Center (CCC) and also with required mobile app., as per the scope mentioned in RFP. The bidder shall provide the 'structured' cabling as per the industry standards, wherever required for installation of specified product hardware.

4.1.10 The classrooms of Municipal Schools of Gwalior are devoid of internet Wi-Fi connection and are neither air conditioned nor acoustically designed. The Bidder shall take this into consideration while designing and implementing the smart class systems.

4.1.11 Hindi happens to be the medium of instruction and language of learning in Municipal Schools of Gwalior. The text books of the Madhya Pradesh board are written in Hindi too and students and most of the teachers are more comfortable in Hindi and they have not much command over English. Hence the learning content should be available in both Hindi and English.

4.1.12 The learning contents shall be exhaustive with respect to Madhya Pradesh State Board curriculum. The animations shall be of high quality, which easily explains complex phenomena, such as Heart functioning (biology), lab reactions (chemistry), nuclear reaction (physics), etc. The animations and other interactive content should be such that it assists the teaching learning process in an effective and simple manner. The modules should have pause, play, fast forward and rewind options. Movement from one module to other (e.g.: one chapter to another or from animation module to assessment module) should also be easy, quick and user friendly.

4.1.13 The software and hardware of the service provider should be flexible in such a way that any additional multimedia content in the form of video, lectures, animations, pictures, 2D/3D videos and additional questions created by subject teachers could be added into the database via a pen drive or external hard disk and used in an effective and simple manner.

4.1.14 The hardware and software installed shall be such that it shall be compatible to other (define formats) video lecture databases and other (define formats) smart class databases. The supply, installation, Capacity Building and roll out shall follow an implementation arrangement that shall ensure seamless execution of the "Smart Class" on each of the schools.

4.1.15 The smart class system should be used online as well as also in offline mode (i.e. in the absence of internet). Content can be download as per the requirements. Bidder also provide the login Id Password to teacher & students of class standards of 9th to 12th, as they can access the content from any where and any time. For the security and monitoring purpose, login log details can be shared by the bidder, If further asked by the school head/ Teacher/ GSCDCL.

4.1.16 The teachers are to be trained by the Bidder to effectively use the hardware and education software application of the smart class along with appropriate content as per the education. A minimum of two teachers per subject of each class standards of smart class of Municipal Schools are to be trained. List of the selected teachers from the respective 37nos. of Municipal Schools has to be share with selected Bidder on the request of Bidder.

4.1.17 The bidder shall provide comprehensive on-site support and warranty for all the equipment supplied under the contract at least for a period of 2-years (warranty) from the date of final acceptance (Go-live) of the system and period of 3 years for Comprehensive AMS (Annual Maintenance Support). The bidder and OEM should support next business day delivery against defective spares through major locations in India. The OEM should have 24x7x365 support in India.

4.1.18 The learning content which shall be categorized in the database on standards of class, which should cover at least the following subjects:

Sl. no.	Class	Subject	Language of Content
a.	11 th and 12 th Class	Hindi, English, Physics, Chemistry, Biology, Mathematics, Commerce.	Hindi and English
b.	1 st to 10 th Class	Hindi, English, Science, Mathematics, Social Science, Sanskrit.	

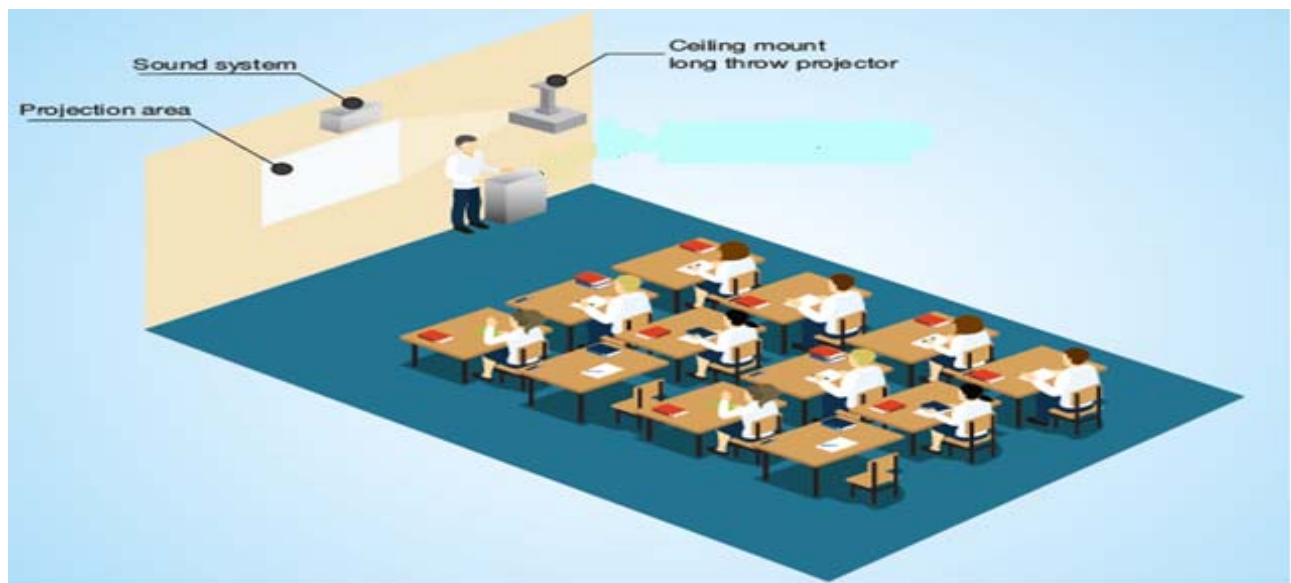
4.1.19 Selected bidder should to provide MIS system to manage operations of 37nos. of class room in Municipal Schools at central level in CCC Level. The MIS Software should be able to capture the following, but not limited to:

- **Student related information:** Student details like name, roll no, schooling history, Class attendance (via Bio-metric system), student performance, curriculum and marks obtained etc.
- **Faculty related information:** Attendance, leave records, duration of the per lectures delivered by teacher basis of the school wise and class/ subject wise, training details, etc.
- **Training module feedback:** To capture feedback from students and teachers.

- **Infrastructure module:** To track uptime and downtime of the lab infrastructure (Computer, networking, internet, projector, UPS etc.) including fault logging mechanism and record of time taken for compliant redressal.
- **Report generation:** Software should be able to generate weekly and monthly reports as required by GSCDCL and other higher Govt. official from time to time.
- The bidder will also have to install, operate and manage any additional MIS software to be provided by the GSCDCL.
- **Mobile App.:** To capture the attendance data and send message notification to parents of the student. Feedback also has to capture, which supposed to be provided by parents. Other required message notification to respective parents also send by school head/teacher, as per the requirements.
- **Bio-Metric:** To capture the daily attendance of students and teachers. Integrate the Bio-Metric with CCC and mobile App. as parents to get notification related to the attendance.
- **Login id and E-mail:** To capture also the login with respective user(Teacher or student's of class 9th to 12th) and Email which has to use to share the educational content between the student and teacher.

4.1.20 Bidder's product should integrate the Bio-Metric attendance system with mobile app. and CCC, as Parents can track his/her children attendance on mobile phone or notified through SMS, as the student arrival in school and attended the classes.

4.1.21 Smart Class Educational consists of a ceiling mount long throw projection system, sound system to work in dusty conditions and high temperature. Below the fig. Illustrative the model of smart class room.



4.1.22 Procurement and installation of Hardware, Networking and other Equipment.

- a) To Supply Computer Hardware and connected accessories (As per minimum specifications given in this Document, although bidder is free to provide higher configuration) and provide Textbook based Educational software, Computer Education software, Spoken English educational software, Safe use of Internet educational software, for a contract period of 5 years.
- b) The bidder shall provide the 'structured' cabling as per the industry standards where ever required.
- c) The bidder would also need to provide backup power through UPS in order to meet the SLAs. In case additional hardware or upgrade is required in order to maintain the service levels, then bidder shall procure / upgrade the same with no additional cost to GSCDCL.
- d) All hardware warranty shall start only after Go-live the smart Education system in all 37nos. of Selected Municipal Schools.
- e) All services/equipments/software/hardware, adjunct or ancillary to the system defined in this RFP, but not specifically mentioned, shall be deemed to have been included in the bidder's price proposal.
- f) All the hardware, equipments (i.e. Multimedia Projector, Interactive board, Sound System, Bio Metric, UPS, cctv camera and related items, etc.) and software like Operating System and Antivirus Software etc. should be compatible to each other so that no compatibility issue arises during the installation. Software like OS and Antivirus should be Original and must have valid license on each of the location/school where hardware and software is supplied and the Smart Class is setup.
- g) Install CCTV in all smart class room of Municipal Schools and information flow through MIS system. Bidder should calculate required daily storage for cctv camera footage/ Video recording and should keep one week and after that keep storage on cloud.
- h) All licenses procured by the bidder under this project will be in the name of the GSCDCL. The bidder will also be responsible to keep track of the version control of the software applications.
- i) Bidder should maintain and host all required Education software/email/website/mobile apps from his server or SaaS Model and integrate with CCC (Command & Control Center). Bidder also ensure that all data should be secured and have not be shared with other without permission of GSCDCL.

4.1.23 Procurement Customization and Deployment of Software and content:

- a) To procure and install all the software for the education purpose for the computer systems, namely, operating system, database, application software,

etc. The bidder shall purchase these software with app list out these Software in the bid proposal.

- b) To procure and install all the content for smart education based on MP State board for Std I to Std. XII of all subjects.
- c) To provide Computer Educational Software, Spoken English educational content, Internet educational content and other required content as per the subjects and class standards mentioned in clause 4.1.16.
- d) All software and content updates will be done periodically. For this purpose, the system should be online and connected to the central system.
- e) Development and maintenance of web portal and Mobile app for browsing content for registered users.
- f) Provide the latest updates, patches/ fixes, version upgrades relevant for the software components.
- g) Software version control and software documentation management.
- h) All licenses procured by the bidder under this project will be in the name of the GSCDCL.
- i) The bidder will also be responsible to keep track of the version control of the software applications.

4.1.24 Management and Maintenance of Hardware and Software

- a) The bidder will be required to provide the Technical Support and training and hand holding for the smart class room systems.
- b) Resolution of any bugs & issues including bug fixing, improvements in presentation and/or functionality and others within a duration mentioned in SLAs.
- c) Any issues in the hardware and software will be resolved promptly as per SLA. An escalation matrix will be prepared and shared with GSCDCL for resolution of all issues.
- d) The bidder will be responsible for Maintenance of all the Hardware and Software, which has to be procured and installed as part of the project contract period.

4.1.25 Training and Hand holding (Teachers nominated by Head of the School)

- a) To efficiently operate the developed “Smart Class”, the GSCDCL will require enhancing the capacity of its teacher on each of the location/school. The capacity building exercise shall include training on the hardware and education content that teacher will know-how to teach multi-media Education content by Interactive board by multimedia Projector. Necessary training material like User’s Manual/trouble shooting guides etc. of each product must be provided to the participants.
- b) Bidder should conduct training program for all respective teachers of smart class for specified subjects, as per the clause 4.1.16. Minimum 2 teachers for each subjects for class 1st to 12th standards. A training program will be prepared with training manual, Do’s and Don’ts etc. The training program

- shall include comprehensive operation of the system, installing and use of textbook content based Computer Aided Learning (CAL) educational software, computer education software, common software applications (Word, Presentation, Spreadsheet etc.),
- c) The teacher's user manual should be made available to all trainee teachers in Hindi and English.
 - d) Bidder should verify the training content with GSCDCL and Respective School's Head. Bidder should incorporate recommendations related to training's content, before starting the training.
 - e) Bidder should bear the cost of training arrangement, training material (Hard & Soft), and required things for making training session successfully.
 - f) Bidder should share the schedule of the training session with venue details with GSCDCL along with no. of participants required to attend the training in one session.
 - g) GSCDCL has to confirm the total no. of participant, who attend the scheduled Training program with the discussion with Head of the School. Head of school the respective school has to confirm the name of the participant for this training program and share the final name of the teachers with GSCDCL before 10 days of scheduled training. Due to any Emergency, if any participant would not attend the training, In this case the respective School Head, should inform to GSCDCL before 7 days of the scheduled training, as Bidder or GSCDCL can give opportunity to other one for attending the training program.
 - h) All training for the teachers has to be completed in 5 months from the date of Go-Live.
 - i) Master copies of documents/manuals (in hard & soft copies) of each training session shall be provided to GSCDCL and/or School Head.
 - j) The cost of all the items/services required to complete the training of teachers and above is deemed to be included in the quoted cost for this item & nothing extra shall be payable for any ancillary work/service, any Hardware and online software training application, as required for execution of this training.

4.1.26 Online MIS Dashboard

4.1.26.1 Following points should consider, but not limited to:

- a) The bidder has to provide an Online MIS Dashboard for monitoring, controlling and reporting of all activities. There will be different levels of reporting, namely, Teachers, principal, GSCDCL. The look and feel of the dashboard shall be approved by GSCDCL or a Committee comprising GSCDCL, education experts.
- b) As specified in other section also, MIS Dashboard also provide the quick view of the all School smart classes of various class standards and subject, Teachers name with class and subject, name of the head of school, Attendance of the

- teacher and student as per day, weekly and month wise, lecture delivered by teachers – school wise, class wise, subject wise, name of the teacher wise.
- c) System will facilitate data gathering from various intervention, locations, analyze and present the information in an appropriate manner for decision making.
 - d) System will help to monitor the computers, student progress, attendance, monthly health check and should be able to produce different reports about uptime, downtime and idle time of all the systems. System will also facilitate generation of analytical reports to verify compliance with the SLA by the bidder.
 - e) System also provide day, week and month wise analysis report of attendance (class wise) from individual school, in statics-colorful bar chart.
 - f) Teacher wise attendance report of school, who is going to take responsibility of class room and other.
 - g) Session wise, school, weekly & monthly smart class report, which has projected along with details of standards (i.e. 1st to 12th) of classes and subject of class.
 - h) Dashboard has to provide quick information data for above and also for following, but not limited to:
 - Smart Health test for student with school name, date, class standards, hospital name etc.
 - Smart Academic Test Progress report-school wise monthly test, date and etc.
 - Smart Attendance system- System also provide day, week and month wise analysis report of attendance (class wise) from individual school, in statics-colorful bar chart.
 - Sports and curriculum activity

4.1.27 Help Desk Service

4.1.27.1 The bidder will provide help desk services which will serve as a Single Point of Contact (SPOC) for all ICT related incidents and service requests. Bidder should share the name and contact person name for this help desk services. Minimum 2 person has to deploy, to provide the Help Desk services. For this Bidder has to use on system and software to maintain the call log details and call resolve details. The scope of work includes but not limited to:

- a) Help Desk facility for reporting issues/ problems with the IT Hardware-infrastructure, Computer Software, Education Product software, ups, Wi-Fi router or network connectivity, bio-Metric, CCTV Camera and related equipment and any other related to the mentioned hardware/software in this document of tender.

4.1.27.2 Set up all necessary channels for reporting issues to help desk. The incident reporting channels will be the following:

- a) Online MIS Dashboard Help Desk system.
- b) Specific E-Mail for raising a service request.
- c) A phone no./ email for lodging the complaint request
- d) A Phone Number/ mobile no. for Remote assistance for quick resolution.

4.1.27.3 The Help Desk shall undertake the following activities:

- a) Log issues/ complaints related to IT and facility management at the school under the scope of work on the Online MIS Dashboard and issue an ID number against the issue/ complaint.
- b) Bidder should maintain the Complaint call log and resolve time with date his own software.
- c) Bidder should take sign from school GSCDCL, when they resolved the issue.
- d) Assign severity level to each issue/ complaint.
- e) Track each issue / complaint to resolution using the Online MIS Dashboard.
- f) Escalate the issues/ complaints, to department if necessary as per the escalation matrix to be defined in discussion with GSCDCL.
- g) Provide feedback to GSCDCL.
- h) Analyze the issue/ complaint statistics.
- i) Creation of knowledge base on frequently asked questions (FAQs) to aid the users.
- j) On department request provide detailed reports of all incidents raised by
- k) users and resolution time using Online MIS Dashboard.

4.1.27.3 Help desk support team should provide stand by system, if they unable to resolve the issue in 4 hrs.

4.1.27.4 The bidder should provide live help desk services 10 am to 7pm from Monday to Saturday, excluding holiday that are declared by Govt. of Madhya Pradesh. Mentioned hrs. of operation of Help Desk Service would be adjusted based on help desk demand from the users and other operational considerations, by manual agreement between GSCDCL and Vendor.

4.1.27.5 The vendor must provide live telephone/ mobile support, the ability to accept and respond to inquiries via Remotely, where users share screen with IT-Team and team to be observe and diagnose issue as they appear to the user, In addition, the proposer may propose other avenues for help desk support.

4.1.27.6 The Contract should provide help desk services in Hindi and English, including live telephone/ mobile calling support, email correspondence and all written materials, including procedure and manuals.

4.1.27.7 In the services of Helpdesk, if any issue is not resolved within 1 day from the date of lodged complaint, in such case bidder will be liable to pay penalty equivalent to quarter percentage (0.25%) of the total price mentioned in Price Bid by the bidder. The Purchaser will adjust such penalty amount while making the payment to the Bidder. The amount of such penalty shall not exceed 10% of the total price mentioned by Bidder in Price Bid. However, this penalty will not be levied if the reason for delay is not attributable to the Bidder. If the penalty is more than the 10%, in this case GSCDCL has reserve the right to terminate the bidder and cancel the contract.

4.1.28 Hardware/software for smart class room

Sl. no.	Particular	Quantity for 37 nos. Smart Classroom
a.	Integrated Cabinet/Desktop (Along with Pre-loaded	1×37
b.	1 KVA online UPS	1×37
c.	Multimedia Projector	1×37
d.	Interactive multi touch screen white board	1×37
e.	Wi-Fi Router along with 4 Mbps connectivity	1×37
f.	IP Based CCTV Camera along with required accessory	2×37
g.	Document Camera	1× 37
h.	Audio System (One Set (L&R)) <i>(Built-in Stereo Audio System with 30 Watts Speaker with volume control. Option for connecting external speaker) and Wireless Microphone</i>	1×37
i.	Bio-Metric Device	2×37
j.	Internet Connection with minimum 4Mbps Bandwidth connectivity	1×37

Note: Details Hardware/Software specifications are mentioned in Annexure-2.

4.1.29 Quality of Goods & Services

4.1.29.1 The equipment/goods must conform to the specifications given and of desired quality standards. The Successful Bidder shall guarantee that the goods delivered to the GSCDCL is/are brand new and without any damages.

4.1.29.2 Consistency in delivery shall be maintained for the entire lot of products ordered. All the required quantity of equipment/s as per requirement shall be of the same brand and model number. The Successful Bidder shall not substitute any internal components or sub-systems of the product by similar items of different manufacturers.

4.1.29.3 Successful bidder as well as the OEM shall be jointly and responsible for quality of the hardware product supply.

4.1.30 Warranty Period and Maintenance of Hardware/Software

4.1.30.1 The Bidder has to provide Three year free product warranty on requested hardware and 3-years comprehensive AMS (Annual Maintenance Support)) for all the hardware mentioned in RFP. The warranty period shall start from the day of successful installation & commissioning and acceptance of the same by the GSCDCL's GSCDCL.

4.1.30.2 The Vendor warranty that the Goods supplied under the Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials. The Vendor further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Vendor that may develop under normal use of the supplied Goods in the conditions prevailing in India.

4.1.30.3 In duration of the warranty period, if any hardware or parts of the Hardware face some technical issue, the Vendor shall replace the unit of component with another of at least the same performance and quality, at no cost to the GSCDCL.

4.1.30.4 In case of Hardware or components replacement, the vendor shall provide similar standby equipment for the time being, so that the equipment's can be put to use in the absence of the originals/replacements without disrupting the GSCDCL's regular work.

4.1.30.5 Vendor should provide, free on-site maintenance services (AMC) for the period of 3-years. The vendor will enter into AMC agreement, after the expiry of the warranty period (2-years) of Hardware/Software.

4.1.30.6 The bidder shall ensure that adequate regular supply of spare parts needed for the goods supplied and installed. Upon receipt of such notice, the bidder shall, with all reasonable speed, in any case not later than 2 days repair or replace the defective goods or parts thereof, without cost to the office.

4.1.30.7 Bidder has to provide all communication details to contact for complaint logging. School head/teachers may lodge complaints by any mode i.e. phone, e-Mail, fax. Bidder shall provide a complaint/ ticket number, date and time for each complaint and resolve the problem. Log of all complaints and its resolving time & date shall be maintained by the bidder in compliant log register and every month take sign off from the concern office head/ immediate officer of the Municipal Schools.

4.1.31 Delivery and Installation Period

- a) Delivery of Goods shall be made by the Vendor within 10 days from the date of Contract agreement (*If any changes made regarding location office for delivery, GSCDCL will inform to vendor at the time of DWA*).
- b) GSCDCL will inform to vendor to start the installation & commissioning work of specified hardware (i.e. Projector, UPS and other Hardware & Software at respective School) at the time of DWA. Vendor should complete installation and commissioning work as per the time duration specified in SLA.

- c) It's the sole responsibility of the Bidder to deliver the goods at the designated school and the bidder has to take care of any insurance, transportation, labour etc. costs to transfer/deliver the respective Goods at respective Municipal School.
- d) Penalty of 0.25% of the total cost will be levied on the bidder for each week delay in the delivery of hardware.

4.1.32 Service Level Agreement (SLA)

- 4.1.32.1 The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to define the performance based and measurable service level agreements which shall be complied by the Successful Bidder during the tenure of this contract.
- 4.1.32.2 Successful Bidder and the GSCDCL shall regularly review the performance of the services being provided by the Bidder and the effectiveness of this SLA.
- 4.1.32.3 The maximum response time for a maintenance complaint (i.e. time required for Vendor's maintenance engineers to report to the installations after a request call / e-mail is made or letter is written) shall not exceed 4 (Four) hours from the receipt of such communication. In the event of failure of response, a penalty of Rs.2000 per day of delay in response will be payable by Vendor and such penalty amount will be realized from future dues to the Vendor or deduct or recover from the payment of the vendor.
- 4.1.32.4 If vendor is fail to replace or arrange the hardware in during the warranty period- Failure to arrange same hardware in that time as the immediate alternate of the hardware (in case of some issue facing by the user with hardware and user already lodged the complaint and complaint is already lodged more than 1 day before)/ replacement will be liable for penalty of Rs. 2000/- per day per item. The amount of penalty will be recovered from payment due to the vendor during warranty and/or annual maintenance charges and/or by lodging a claim against the Vendor, as the case may be. In the event of such amount not sufficient to set off the liability of the Vendor under this, the GSCDCL shall be at liberty to proceed against the Vendor for recovery of the balance as may be advised.
- 4.1.32.5 AMS should cover updates/maintenance patches/bug fixes (available from the original software vendor) for system software & firmware patches/bug fixes, if any, for hardware/Software and Technical Support by Help desk team.
- 4.1.32.5 Bidder should provide the software licenses (MS-OS licenses) in form of academic licenses in name of the GSCDCL.
- 4.1.32.6 SLA to complied as below:

Table-A

SLA Terms	Description
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Uptime	'Uptime' refers to availability of Systems. "% Uptime" means ratio of 'up time' (in minutes) per each classroom in a month to Total working time in the month (in minutes) multiplied by 100".
Prime School Hours	Prime School Hours refers to the prime network utilization period, which shall be school working hours on all working days.
System Uptime	Time for which user is able to access the software applications, MIS Dashboard website and other components during the working hours. The system can be down due to any of the reasons including failure of hardware, network, system software, application etc.
Bugs/Issues in application	<ul style="list-style-type: none"> • Critical bugs / issues – Bugs/ issues affecting more than one system. • Non-critical bugs / issues – Bugs/ issues affecting at most one user.

Table-B

T= Date of Contract Agreement		
Parameter for SLA	Time line	Penalty
Delivery of the Hardware/Software items, as specified in this RFP	T+ 10 days	Penalty of 0.25% of the total cost will be levied on the bidder for each week delay in the delivery of hardware. <i>Note: Bidder has to take signoff from the School Head.</i>
<ul style="list-style-type: none"> • Development/ Customization, Testing, Acceptance, installation, commissioning and Implementation of Text Book based educational Software application. • FRS & SRS Document submission. 	T+30 days	<ul style="list-style-type: none"> • Penalty of Rs. 2000 per class room per day, where the installation is incomplete. • Delay in submission of FRS & SRS document then Penalty of Rs. 2000 per day, <i>Note: Bidder has to take signoff from the School Head.</i>
<ul style="list-style-type: none"> • Testing & Go-Live of project and stabilization time • Source Code submission <i>Note: Source code has to be submitted if bidder has developed education application software, as per the mentioned scope in Open Source environment and customized the software based on project requirements.)</i>	T+30 days	Penalty of Rs. 2000 per day. <i>Note: Bidder has to take sign off for Go-live from respective Head of the school.</i>

Uptime after Go-Live – 99% (during PBH(Prime Business Hours))		Penalty of Rs. 2000 per class room on unavailability as mentioned. Note: Bidder has to provide uptime details monthly basis.
Average internet availability – 99% (during PBH(Prime Business Hours))		Penalty of Rs 2000 per day of unavailability per class room.
Resolution time for bugs / issues in the applications	24 Hours From the complaint lodge	Penalty of Rs 2000 per day of unavailability per class room. Note: Bidder should take sign off from the respective head of the school.
Training session for mentioned no. of teachers (i.e. standards 1 st class to 12 th class for specified subjects)	Go-live date + 5months	Penalty of Rs. 2000 per Training session on delay. Note: Bidder should share schedule with GSCDCL. All Training sessions for the teachers have to be completed by Bidder, in 5months from the date of Go-Live.

4.1.33 Payment for Annual Maintenance Support Charges

The annual maintenance Support (AMS) and repair cost (after warranty period) shall be paid in quarterly installments within around Forty Five (45) days after raising of invoice. Payment schedule, will applicable as specified in the clause 4.1.34.

4.1.34 Payment Schedule

4.1.34.1 The payment to the vendor shall be as follows:

Sr. No.	Milestone	Timeline	Payment	SLA
1.	Delivery of Hardware <i>(Note: 2-years Comprehensive warranty cost for all specified hardware/ Software)</i>	10 days from date of issued of Contract Agreement	70% of the Contract amount as mentioned by bidder in Form-11 (A) for Hardware Cost	Penalty of 0.25% of Total Hardware cost payable to the Bidder for each week delay. <i>(In case of deficiency in service observed during the warranty period, the applicable penalty (0.25%)at appropriate rate shall be deducted as per SLA)</i>
2.	Successful Installation,	30 days from the date of	70% of the Installation, commissioning,	Penalty of Rs. 2000 per class room per

	commissioning, configuration and testing of all Hardware & software	Contract Agreement	configuration and testing of all Hardware in Form-11 (B) for Hardware Cost	day, where the installation is incomplete.
3.	Go-Live, SRS Document and Source Code submission <i>(Note: Source code has to be submitted if bidder has developed education application software, as per the scope in Open Source environment and customized the software based on GSCDCL requirements.)</i>	25 days from the date of Contract agreement	30% of the Installation, commissioning, configuration and testing of all Hardware in Form-11 (C) for Hardware installation Cost	Penalty of Rs. 2000 per day,
4.	2-years Comprehensive warranty cost for all specified hardware/Software	2-years <i>(From the date of acceptance of the Hardware and Software/Go-live date)</i>	Remaining 30% cost amount of Form-11 (A) should be Paid quarterly to vendor. <i>(Note: This 30% amount should divide in amount of 2 year's quarters).</i>	In case of deficiency in service observed during the warranty period, the application penalty (0.25% for each week delay) at appropriate rate shall be deducted as per SLA.
5.	3- years comprehensive AMS (Annual Maintenance Support) for all specified Hardware & Software.	3-years <i>(From the end date of Warranty)</i>	Paid quarterly apportion amount of year wise AMS (Annual Maintenance Support) cost <i>(Note: This amount should divide in amount of 3 year's quarters)</i>	In case of deficiency in service observed during the period, the application penalty (0.25% for each week delay) at appropriate rate shall be deducted as per SLA

Note: Remaining has to pay quarterly basis, as they submit invoice and respective signoff from the head of the school.

4.1.35 Other Conditions

- a) The Successful Bidder should comply with all applicable laws and rules of GoI/GoMP/GSCDCL.
- b) GSCDCL reserves the right to withdraw/ relax any of the terms and condition mentioned in the RFP, so as to overcome the problem encountered at a later stage for the smooth and timely execution of the project.

4.1.36 Source code and related documents

4.1.36.1 If Bidder has developed the education software in open source environment, in this case Bidder should handover all Customized, enhancements, developments, modifications, etc. source code done for the Application product of Smart Class Room project. All Source Code should handover in the proper documentations, which has to submit with proper covering letter in every three month after the Go-live.

4.1.36.2 If Bidder should have full ownership and IPR of software of Education for smart classroom's product, In this case Bidder has to submit self-declaration on letterheads for IPR and ownership along with Bid proposal.

5. Section V: Form

Form: 1 Letter of Proposal Submission

(On Company Letterhead of the Bidder/Letter Bidder)

To,

Date:...../...../2017

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

We, the undersigned, hereby submit our Bid for “Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)” in accordance with the RFP.

We give our unconditional acceptance to RFP, as amended. We shall ensure that we execute the Project as per the provisions of the RFP.

The Bid comprises of the following:

- a) Proof for payment of RFP fee
- b) Documents towards the Pre-Qualification and Technical Proposal as per the prescribed format
- c) Earnest Money Deposit
- d) Power of Attorney in favor of the Authorized Signatory
- e) Financial Bid

We hereby declare that all the information and statements made in this Bid are true and accept that any misrepresentation contained in it may lead to our disqualification.

If negotiations are held during the Bid Validity period, we undertake to negotiate on the basis of the proposed staff. Our Bid is binding upon us..

We understand and agree that GSCDCL is not bound to accept any Bid that it may receive and has the right to cancel this RFP.

We hereby unconditionally and irrevocably agree and accept that the decision made by Gwalior Smart City Development Corporation Limited in respect of any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bidding Process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfill our obligations with regard to execution of Project.

We confirm that we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this Bid and execute the contract, in the event of our selection as Successful Bidder. We further undertake and agree that all such factors as mentioned in RFP have been fully examined and considered while submitting the Bid.

Details of the contact person are furnished as under:

Name: :

Designation: :

Company: :

Address:

Phone Nos.: :

Fax Nos.:

E-mail address:

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Form: 2 Declaration of Acceptance of Terms and Conditions in document

(On Company Letterhead of the Bidder/ Lead Bidder)

To,

Date:...../...../2017

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir/Madam,

I have carefully gone through the Terms & Conditions contained in the document “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)”

I declare that all the provisions of this 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.

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Form: 3 (a) Checklist for the Pre-Qualification

Sl. no.	List of Documents	File Name	Submitted (Y / N)	Description
1.	Proof of Tender Fee and EMD submitted			
2.	Bid Covering Letter (As per format provided)			Reference No: Date of Letter:
3.	Bidders' Particulars (As per format provided)			Name of bidder(s):
4.	Power of Attorney(PoA) in favor of Authorized signatory (As per format provided)			Date of PoA: Name of Authorize Person:
5.	Copy of Certificate of Incorporation/ Registration under Companies Act, 1956			Registration Number: Date of Incorporation:
6.	Copy of Certificate from the Statutory Auditor for the last 3 (Three) financial years, as mentioned in RFP.			Year-wise details of turnover
7.	Valid copy of the ISO 9001:2008 or higher certification.			Issuing By: Issuing Date: Validity Date:
8.	Declaration for not blacklisted by Central/State Government/ PSU entity in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices as on date of submission of the proposal. (As per format provided)			Reference No: Date of Letter:

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Form: 3 (b) Cover Letter Pre-Qualification Proposal

(On Company Letterhead of the Bidder/ Lead Bidder)

Date:

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

With reference to “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”, we hereby submit our Prequalification Proposal, Technical Proposal, and Financial Proposal, for the same.

We hereby declare that:

- 1) We have submitted EMD of INR [] in the form of [.....] and RFP fee of INR [] online through e-Tendering Portal (www.mpeproc.gov.in),
- 2) We hereby declare that all information and details furnished by us in the Bid are true and correct, and all documents accompanying the Bid are true copies of their respective originals.
- 3) We agree to abide by our Bid is valid for a period of 180 days from the Bid Deadline and that we shall remain bound by a communication of acceptance within that time.
- 4) We have carefully read and understood the terms and conditions of the RFP and the conditions of the contract applicable to the RFP. We do hereby undertake to provision as per these terms and conditions.
- 5) In the event of acceptance of our Bid, we do hereby undertake:
 - a) To supply the products and commence services as stipulated in the RFP document.
 - b) To undertake the Project for the entire contract period.
 - c) We affirm that the prices quoted are inclusive of design, development, delivery, installation, commissioning, training, providing facility management and handholding support and inclusive of all out of pocket expenses, taxes, levies discounts etc.

RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Form: 4 Project's Citations

(On Company Letterhead of the Bidder/ Lead Bidder)

Sr. no.	Item	Details	Attachment Ref. Number
1	Name of the Project		
2	Issue date of DWA (Detail Work) Order		
3	Client Details <ul style="list-style-type: none">o Organization Nameo Contact Person Nameo Email Ido Contact no.		
4	Scope of Work (In brief)		
5	Contract Oder Value		
	Duration of the Project		
6	Completion Date		

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Note: The Lead bidder/ consortium must provide a list of places where such systems have been installed and/or are being maintained by him with their configuration and with the references, Work order or purchase order copies etc. The bidder is required to provide assurance to arrange for a demo at such place in case the tender evaluation committee needs to evaluate the performance of the installation.

Form: 5 Consortium Agreement

Draft Memorandum of Understanding Executed by Members of the Consortium

[On Non-judicial stamp paper duly attested by notary public]

This Memorandum of Understanding (MoU) entered into this day of [Date] [Month] 2017 at [Place] among (hereinafter referred to as “Lead Member”) and having office at (address), India as Party of the First Part and (hereinafter referred to as “ ”) and having office at (address) as Party and hereinafter referred as “Consortium Member”) and having as “ ” and having office at (address), as Party of the third Part

The Lead Member and the Consortium Member are individually referred to as Party and collectively as Parties.

WHEREAS Gwalior Smart City Development Corporation Limited (GSCDCL), has issued a Request for Proposal dated [Date] (RFP) from the Bidders interested in **Development of Smart Classrooms in Municipal Schools in Gwalior (“Project”)**:

AND WHEREAS the Parties have had discussions for formation of a Consortium for bidding for the said Project and have reached an understanding on the following points with respect to each of the Parties' rights and obligations towards each other and their working relationship.

BASIS THE MUTUAL UNDERSTANDING OF THE PARTIES, IT IS HEREBY AGREED AND DECLARED AS FOLLOWS:

- 1) The purpose of this MoU is to define the principles of collaboration among the Parties to:
 - a) To jointly Bid for the **“RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Govt. Municipal School in Gwalior (M.P.)”** as a Consortium.
 - b) Accept LoA in case of award.
 - c) Sign contract with GSCDCL in case of award.
 - d) Provide and perform the supplies and services which would be ordered by GSCDCL pursuant to the contract.
- 2) This MoU shall not be construed as establishing or giving effect to any legal entity such as, but not limited to, a company, a partnership, etc. It shall relate solely towards G S C D C L for “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)” and related execution works to be performed pursuant to the contract and shall not extend to any other activities.
- 3) The Parties shall be jointly and severally responsible and bound towards GSCDCL for the Project .
- 4) ----- (Name of Party) shall act as Lead Member of the Consortium. As such, it shall act as the coordinator of the Parties combined activities and shall carry out the following functions:
 - a) To ensure the technical, commercial and administrative co- ordination of the work

- package;
- b) To lead the contract negotiations of the work package with GSCDCL;
 - c) The Lead Member is authorized to receive instructions and incur liabilities for and on behalf of all Parties; and
 - d) In case of an award, act as channel of communication between GSCDCL and the Parties to execute the Contract.
- 5) That the Parties shall carry out all responsibilities in terms of the contract.
- 6) That the broad roles and the responsibilities of each Party as per each party's field of expertise at each stage of the bidding shall be as below:
Party A:
Party B:
- 7) That the proposed administrative arrangements (organization chart) for the management and execution of the Project shall be as follows:
- 8) That the profit and loss sharing ratio shall be
- 9) That the Parties agree that all the members of the Consortium shall be jointly and severally liable for all obligations in relation to the Contract until the completion of the Project in accordance with the Contract;
- 10) Parties affirm that they shall implement the Project in good faith and shall take all necessary steps to see the Project through expeditiously.
- 11) That this MoU shall be governed in accordance with the laws of India and courts in Madhya Pradesh shall have exclusive jurisdiction to adjudicate disputes arising from the terms herein.

In witness whereof the Parties affirm that the information provided is accurate and true and have caused this MoU duly executed on the date and year above mentioned.

(Party of the first part) (Party of the second part) (Party of the third part) Witness:

a)

b)

Form: 6(a) Checklist for the document to be included in the Technical proposal

Sl. No.	List of Documents	Name of File Name	Submitted (Y / N)	Description
1.	Technical bid Covering Letter			Reference No: Date of Letter:
2.	Technical Compliance Matrix (as mentioned in Annexure)			-
3.	Project Implementation Approach document (document not more than 25 pages)			-
4.	Copy of Project completion certificate/ Detailed Work Award (DWA) Order from Customers of the referred projects that the Sole Bidder or either member of the consortium have successfully completed Smart Class Room project in State/Central Government in India with Minimum contract value is Rs. 1Cr. in last 5 years (i.e. Period 1st Oct 2012 to 31st Oct 2017)			Customer Name: Work Order Number: Date of Work Order: Project Value: Completion Date:
5.	OEM Authorization Form (as proforma specified in RFP) along with certified true copy of power of attorney			OEM Name: Date:

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Form: 6(b) Technical Bid Cover Letter

(On Company Letterhead of the Bidder/ Lead Bidder)

Date:

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the RFP for “Development of Smart Classrooms in the Government Schools in Gwalior” (hereinafter referred to as “Project”).

We attach hereto the technical response as required by the RFP, which constitutes our proposal. We undertake, if our Bid is accepted, to adhere to the implementation plan (Project schedule) for providing Professional Services in “ Implementation of Smart Classrooms in Government Schools, Gwalior “, put forward in RFP or such adjusted plan as may subsequently be mutually agreed between us and GSCDCL or its appointed representatives.

If our Bid is accepted, we will obtain a Performance Bank Guarantee issued by a nationalized bank in India, for a sum of equivalent to 10% of the Project Price for the due performance of the contract.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP and also agree to abide by this Bid for a period of 180 (one hundred and eighty) days from the Bid Deadline and it shall remain binding upon us with full force and virtue, until within this period a formal contract is prepared and executed, this Bid, together with GSCDCL written acceptance thereof in your notification of award, shall constitute a binding contract between us and GSCDCL.

We confirm that the information contained in this Bid or any part thereof, including its exhibits, schedules, and other documents and instruments delivered or to be delivered to GSCDCL is true, accurate, and complete. This Bid includes all information necessary to

ensure that the statements therein do not in whole or in part mislead GSCDCL as to any material fact.

We agree that you are not bound to accept any Bid you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the Bid.

It is hereby confirmed that I/We am/are entitled to act on behalf of my/our company and empowered to sign this document as well as such other documents, which may be required in this connection.

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Form: 7 Project Implementation Approach

(On Company Letterhead of the Bidder/ Lead Bidder)

The Bidder is required to submit the proposal technical solution in details:

Following should be captured in the explanation:

- a) The Overall approach to the Project.
- b) Project Monitoring and Communication Plan– Bidder’s approach to project monitoring and communications among stakeholders.
- c) Implementation plan– Bidder’s approach to implement the project.
- d) Operation and Maintenance Plan.
- e) Quality Control plan - Bidder's approach to ensure quality of work and deliverables.
- f) Escalation matrix during contract period.

Note:

All the pages (documentary proofs and other documents that may be attached) should contain page numbers and would have to be uniquely serially numbered. Inadequate information shall lead to disqualification of the bid.

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Form: 8 Proforma for OEM Authorization

(On Company Letterhead of the Bidder/ Lead Bidder)

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

We reputed manufacturers of _____, (name and address of the manufacturer) are established and having factories at __ (addresses of manufacturing / development locations) do hereby authorize M/s.....(name and address of the bidder) to bid, negotiate and conclude the contract with you against the above mentioned RFP for the equipment/ software manufactured/ developed by us in adherence to the requirements of the RFP.

We herewith certify that the above mentioned equipment/ software products are not end of the life and we hereby undertake to support these equipment/ software for the minimum duration of 3 years from the date of from Go-Live (as stated in RFP).

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Note:

- a) This letter of GSCDCL should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The Bidder should provide this authorization along with the certified true copy (by the authorized signatory of the bidder) of the aforesaid power of attorney.
- b) Bidder should use same proforma to take sign from OEM, without changing the sentence line.
- c) Bidder should take letter from all specified required Hardware item's OEM.

Form: 9 Technical Compliance Matrix

(On Company Letterhead of the Bidder/ Lead Bidder)

Sr. no.	Functional Feature / Requirement	Compliance (Y)	Remarks
1.	<p><u>User Registration:</u></p> <p>Educational Platform must allow Teachers/Students to register to use the e-Learning contents for a particular grade</p>		
2.	<p><u>Administration:</u></p> <p>The Educational Platform must allow administrator to manage user registrations and profiles, define digital content access, and manage content, view reports in an offline environment</p>		
3.	<p><u>Server based digital contents:</u></p> <p>The Educational Platform will play the digital contents residing online on a server. It would require a high speed internet connection for streaming educational digital contents using this Educational Platform. The user of the Educational Platform must have the required privileges to access the contents.</p>		
4.	<p><u>Planning & Tracking Academic Progress:</u></p> <p>Planning and tracking of academic progress should be automatic and enabled for the roles of Students / Teachers</p>		
5.	<p><u>Performance Tracking:</u></p> <p>Tracking of the scores for a Class or an individual on the basis of the tests& quiz attempted must be possible.</p>		
6.	<p><u>Content Upload:</u></p> <p>Teachers must have the access to upload contents as per the academics and link it to the available academic structure. The upload of contents must allow saving of uploaded contents locally or on an internet drive.</p>		
7.	<p><u>Multiple Choice Question Bank:</u></p> <p>The Educational Platform should have interactive MCQ/Fill in the blanks/Drag and Drop etc. type questions for the available academic structure.</p>		

Sr.	Functional Feature /Requirement	Compliance (Y/N)	Remarks
8.	<p><u>Teacher can create Question Bank:</u></p> <p>Teacher should be able to add additional questions to the available academic structure and contribute towards creation of Question Bank.</p> <p>It must seamlessly integrate the classroom forum for empowering teachers to create classes, distribute assignments, send feedback, and see everything in one place. Paperless. Easy.</p>		
9.	<p>The Educational Platform must be integrated with free internet drive for uploading and storing contents created by teachers.</p>		
10.	<p><u>Online Video portal Integration:</u></p> <p>The Educational Platform should allow teachers to add reference links for supplementary access to more contents. These added video links must be placed as per the available academic structure and played from within the Educational Platform and stored for anytime access</p>		
11.	<p><u>Lesson Planning:</u></p> <p>The Educational Platform should have notes feature to do Lesson Planning and execution for a specific sub topic within a topic/chapter.</p>		
12.	<p><u>Support blended learning:</u></p> <p>The Educational Platform should offer a curriculum that mixes classroom and online digital contents easily. The Educational Platform should be able to handle audio and video contents.</p>		
13.	<p><u>Content integration features:</u></p> <p>Apart from supporting the vendor's own digital contents, the Educational Platform should provide native support to a wide range of third-party contents</p>		
14.	<p><u>Reports:</u></p> <p>The Educational Platform should generate user wise reports on Session, Activities, Usage, Notes, Content Addition, and Quiz etc. It should be possible to generate .pdf for these reports and even mailing these to registered email id from within the Educational Platform.</p>		

Sr.	Functional Feature /Requirement	Compliance (Y/N)	Remarks
15.	<u>Dynamic Dashboard:</u> The Educational Platform should have a dynamic dashboard to represent the progress of the learning process and give a bird's eye view for time spent, quiz available, modules available and progress.		
16.	<u>Platform Updates:</u> The Educational Platform should have facility to update Online for patches and updates.		

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Form: 10 Financial Proposal Cover Letter

(On Company Letterhead of the Bidder/ Lead Bidder)

Date:

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

- 1) We, the undersigned Bidder, having read and examined in detail, the RFP, the receipt of which is hereby duly acknowledged, offer to supply/ work in conformity with the RFP.
- 2) We undertake that the prices are in conformity with the specifications prescribed. The quote/ price are inclusive of all cost likely to be incurred for executing this Project. The prices are inclusive of all type of government taxes/ duties in the Financial Bid.
- 3) We undertake, if our Bid is accepted, to deliver the goods and services in accordance with the deliverables schedule specified in the RFP.
- 4) We undertake to successfully operationalize the Project as per scope of work mentioned in the RFP.
- 5) We have examined and have no reservations to the RFP, including any corrigendum/ addendums issued by GSCDCL;
- 6) We understand that any additional hardware and software required to make the Project operational shall have to be provided by us.
- 7) We hereby declare that in case the contract is awarded to us, we shall submit the performance bank guarantee as prescribed in the RFP.

- 8) We agree to abide by this Bid for a period of 180 days from the Bid Deadline and it shall remain binding upon us and may be accepted at any time before the expiry of that period.
- 9) Until a formal contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award shall constitute a binding contract between us.
- 10) We hereby declare that our Bid is made in good faith, without collusion or fraud and the information contained in the Bid is true and correct to the best of our knowledge and belief.
- 11) We understand that you are not bound to accept the lowest or any Bid you may receive. We agree to all the terms and conditions as mentioned in the RFP and declare that we have not submitted any deviations in this regard.

In witness thereof, we submit this Bid under and in accordance with the terms of the RFP.

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Form: 11 Financial Bid Form

(On Company Letterhead of the Bidder/ Lead Bidder)

(To be submitted on e-Tendering Portal only (i.e. www.mpeproc.gov.in))

Sr. No.	Particular	Make & Model no.	Unit price (in INR)	Total Quantity	Amount (in INR)	Including applicable Tax (Please specify taxes)	Total Price (in INR) (Inclusive of all Taxes)
A. Hardware Cost (Including 2 years Comprehensive Warranty Cost)							
1.	Integrated Cabinet/Desk top (along with preloaded OS)			1×37			
2.	UPS 1 KVA (Online)			1×37			
3.	Multimedia Projector			1×37			
4.	Interactive Board			1×37			
5.	IP Based CCTV Surveillance Camera with mentioned component in Annexure			2×37			
6.	Wi-Fi along with appropriate Router			1×37			
7.	Audio System (One Set) with wireless microphone			1×37			
8.	Bio-Metric			2×37			
Total (A)							
B. Installation & Commission Cost for all Hardware/Software specified in RFP							
1.	Integrated Cabinet/Desktop (along with preloaded OS)			1×37			
2.	UPS 1 KVA (Online)			1×37			
3.	Multimedia Projector			1×37			
4.	Interactive Board			1×37			
5.	IP Based CCTV Surveillance Camera with mentioned component in Annexure			2×37			
6.	Wi-Fi along with appropriate Router			1×37			

RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)

Sr. No.	Particular	Make & Model no.	Unit price (in INR)	Total Quantity	Amount (in INR)	Including applicable Tax (Please specify taxes)
7.	Audio System(One Set) with wireless microphone		1×37			
8.	Bio-Metric		2×37			
Total (B)						
C. Smart Class Room Software Product Application Cost for the 5 years						
1.	Educational Application Software					
2.	Anti-Virus		1×37			
3.	MS Office & Adobe		1×37			
Total (C)						
D. Training and Handholding Material						
1.	Training & Handholding Material		Lumsum			
Total (D)						
E. 5-years Helpdesk Cost						
1.	1 st year	-	Lumsum			
2.	2 nd year	-	Lumsum			
3.	3 rd year	-	Lumsum			
4.	4 th Year	-	Lumsum			
5.	5 th Year	-	Lumsum			
Total (E)						
F. 3-years Comprehensive AMS charges (after over the period of 2-years warranty) for all Software & Hardware products specified in RFP						
1.	3 rd year	-	Lumsum			
2.	4 th year	-	Lumsum			
3.	5 th year	-	Lumsum			
Total (F)						
G. Wi-Fi Internet Connectivity Charges for 5 years						
Sr. No.	Particular	Internet Link Type	4 Mbps Required Bandwidth Charges	Amount (in INR)	Including all applicable Taxes (Please specify taxes)	Total Price (in INR) (Inclusive of all Taxes)
One Time installation Charges						
1	1 st Year					
2	2 nd Year					
3	3 rd Year					
4	4 th Year					
5	5 th Year					
Total (G)						
H. Miscellaneous Charges, If any.						
1.						
Total (H)						
Total Cost (A+B+C+D+E+F+G+H):						
Total Cost (In words):						

Note:

- a) GSCDCL does not guarantee the quantity for the particular line items given above. The actual quantity for the given items may vary. The payment shall be made based on unit cost quoted for the particular item on actual work/ item is undertaken/ supplied.
- b) All the prices are to be entered in Indian Rupees only.
- c) GSCDCL reserves the right to ask the Bidder to submit proof of payment against any of the taxes, duties, levies indicated.
- d) Rates to be quoted in considering that all the items and services to be provided at the location provided by GSCDCL.
- e) GSCDCL shall take into account all taxes, duties and levies for the purpose of evaluation.
- f) The Bidder needs to account for all Out of Pocket expenses, no additional payment shall be made by GSCDCL whatsoever.
- g) The Bidder should refer the RFP for details on the technical requirements of the system and the benchmark specifications for the items mentioned in the financial formats.
- h) Any component/ fixtures/ ancillary/ adjunct to the specified item shall be deemed to have been included in the unit rates quoted above.
- i) Bidder has to clear mention miscellaneous charges in details, if missed to mentioned in the Financial Bid form.
- j) The Bidder shall submit license(s)/ Certificate(s) (in original from the OEM) regarding the number/ details of licenses supplied for the software. The licenses should be in the name of GSCDCL
- k) Bidder should provide Pre-loaded software with latest version (2013 or latter) of MS Office(Professional) (with minimum MS Word, MS Excel, MS Power Point),. Adobe software etc. as required to run content.
- l) CCTV camera should integrate with CCC and Video Management software would help to provide real time video to CCC. Vendor should manage the required hardware/ software as per the requirements, as official can see the view of specified school location wise.
- m) Vendor can calculate the required camera storage and should manage storage as accordingly.
- n) Vendor can provide and manage Network Video Recorder (NVR) and Video Management Software (VMS) as required to manage and integrated with CCC with appropriate storage of 30 days recording.
- o) Vendor is required to take insurance of all Hardware & Software items as mentioned in RFP or to be commissioned/ installed for the project.. The insurance should be for entire duration of the Project contract (for 5 Years) and comprehensive covering damages for any damage, loss due to theft, misuse, vandalism and other loss. i.e. Fire, Natural Calamities, Riots and Terrorists activities etc. Vendor should consider cost of insurance while mentioning the price in Financial Bid Form-11. Vendor will have to provide an undertaking on its letterhead duly signed by authorized signatory at the time of signing the contract.

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Address:

Place:

Date:

Company Seal

Form: 12 Proforma for EMD in form of Bank Guarantee

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

BANK GUARANTEE for Earnest Money Deposit – For <Project Name>

Whereas <<Name of the bidder>> (hereinafter called 'the Bidder') has submitted the bid to Gwalior Smart City Development Corporation Limited for **Development of Smart Classrooms in the Government Schools in Gwalior**” (hereinafter called "the bid").

Know all Men by these presents that we <<... >> having our office at <<Address>> (hereinafter called "the Bank") are bound to **Gwalior Smart City Development Corporation Limited** (hereinafter called "the GSCDCL") for a sum of Rs. <<Amount in figures>> (Rupees <<Amount in words>> only).

The Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this <<Date>>.

The conditions of this obligation are:

- 1) If the bidder withdraws its bid during the period of bid validity specified by the bidder on the Bid Form; or
- 2) If the bidder, having been notified of the acceptance of its bid by the GSCDCL during the period of validity of bid
 - (a) Withdraws its participation from the bid during the period of validity of bid document; or
 - (b) Fails or refuses to participate in the subsequent process after having been shortlisted;

We undertake to pay to the GSCDCL up to the above amount upon receipt of its first written demand, without the GSCDCL having to substantiate its demand, provided that in its demand the GSCDCL will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to <<insert date>> and including <<extra time over and above mandated in the RFP>> from the last date of submission and any demand in respect thereof should reach the Bank not later than the above date.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:

- a) Our liability under this Bank Guarantee shall not exceed Rs. <<Amount in figures>> (Rupees <<Amount in words>> only)
- b) This Bank Guarantee shall be valid up to <<insert date>>
- c) It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this Bank Guarantee that we receive a valid written claim or demand for payment under this Bank Guarantee on or before <<insert date>>) failing which our liability under the guarantee will automatically cease.

(Authorized Signatory of the Bank)

Seal:

Date:

Place:

Form: 13 Proforma for Performance of Bank Guarantee

For Contract Performance Bank Guarantee

Ref : < --- >

Date:

Bank Guarantee No.:

To

Executive Director

Gwalior Smart City Development Corporation Ltd.,

Gwalior Nagar Nigam Office, City Centre,

Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

Performance Bank Guarantee – For <Project Name> WHEREAS

M/s. (*Name of Bidder*), a company registered under the Companies Act, 1956/2013, having its registered and corporate office at (address of the Bidder), (hereinafter referred to as “our constituent”, which expression, unless excluded or repugnant to the context or meaning thereof, includes its successors and assigns), agreed to enter into a Contract dated (Hereinafter, referred to as “Contract”) with you for “**Request for Proposal for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Govt. Municipal School in Gwalior (M.P.)**”, in the said Contract.

We are aware of the fact that as per the terms of the Contract, M/s. (name of the bidder) is required to furnish an unconditional and irrevocable Bank Guarantee in your favor for an amount of 10% of the Project Cost, and guarantee the due performance by our constituent as per the Contract and do hereby agree and undertake to pay any and all amount due and payable under this bank guarantee, as security against breach/ default of the said Contract by our Constituent.

In consideration of the fact that our constituent is our valued customer and the fact that he has entered into the said Contract with you, we, (name and address of the bank), have agreed to issue this Performance Bank Guarantee.

Therefore, we (name and address of the bank) hereby unconditionally and irrevocably guarantee you as under:

In the event of our constituent committing any breach / default of the said Contract, and which has not been rectified by him, we hereby agree to pay you forthwith on demand such sum/s not exceeding the sum of 10% of the total Contract value i.e.,.....<in words> without any demur.

Notwithstanding anything to the contrary, as contained in the said Contract, we agree that your decision as to whether our constituent has made any such default(s) / breach(es), as aforesaid and the amount or amounts to which you are entitled by reasons thereof, subject to the terms and conditions of the said Contract, will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Performance Bank Guarantee, but will pay the same forthwith on your demand without any protest or demur.

This Performance Bank Guarantee shall continue and hold valid till 180 (one hundred and eighty) days after completion of the Contract Period, subject to the terms and conditions in the said Contract.

We bind ourselves to pay the above said amount at any point of time commencing from the date of the said Contract until 180 (one hundred and eighty) days after the completion of Contract Period.

We further agree that the termination of the said Contract, for reasons solely attributable to our constituent, virtually empowers you to demand for the payment of the above said amount under this guarantee and we would honor the same without demur.

We hereby expressly waive all our rights: requiring to pursue legal remedies against GSCDCL; and for notice of acceptance hereof any action taken or omitted in reliance hereon, of any defaults under the Contract and any resentment, demand, protest or any notice of any kind.

We, the Guarantor, as primary obligor and not merely surety or guarantor of collection, do hereby irrevocably and unconditionally give our guarantee and undertake to pay any amount you may claim (by one or more claims) up to but not exceeding the amount mentioned aforesaid during the period from and including the date of issue of this guarantee through the period.

We specifically confirm that no proof of any amount due to you under the Contract is required to be provided to us in connection with any demand by you for payment under this guarantee other than your written demand.

Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax, registered post or other electronic media to our address, as aforesaid and if sent by post, it shall be deemed to have been given to us after the expiry of 48 hours when the same has been posted. If it is necessary to extend this guarantee on account of any reason whatsoever, we undertake to extend the period of this guarantee on the request of our constituent under intimation to you.

This Performance Bank Guarantee shall not be affected by any change in the constitution of our constituent nor shall it be affected by any change in our constitution or by any amalgamation or absorption thereof or therewith or reconstruction or winding up, but will ensure to the benefit of you and be available to and be enforceable by you during the period from and including the date of issue of this guarantee through the period.

Notwithstanding anything contained hereinabove, our liability under this Performance Guarantee is restricted to _____[mention the total bank guarantee amount]_____, and shall continue to exist, subject to the terms and conditions contained herein, unless a written claim is lodged on us on or before the aforesaid date of expiry of this guarantee.

We hereby confirm that we have the power/s to issue this Guarantee in your favor under the Memorandum and Articles of Association / Constitution of our bank and the undersigned is / are the recipient of authority by express delegation of power/s and has / have full power/s to execute this guarantee under the Power of Attorney issued by the bank in your favor.

We further agree that the exercise of any of your rights against our constituent to enforce or forbear to enforce or any other indulgence or facility, extended to our constituent to carry out the contractual obligations as per the said Contract, would not release our liability under this guarantee and that your right against us shall remain in full force and effect, notwithstanding any further arrangement that may be entered into between you and our constituent, during the entire currency of this guarantee.

Notwithstanding anything contained herein:

Our liability under this Performance Bank Guarantee shall not exceed _____. This Performance Bank Guarantee shall be valid only from the date of signing of Contract to 180 (one hundred and eighty) days after the end of Contract Period; and

We are liable to pay the guaranteed amount or part thereof under this Performance Bank Guarantee only and only if we receive a written claim or demand on or before 180 (one hundred and eighty) days after the completion of Contract Period.

Any payment made hereunder shall be free and clear of and without deduction for or on account of taxes, levies, imports, charges, duties, fees, deductions or withholding of any nature imposts. This Performance Bank Guarantee must be returned to the bank upon its expiry. If the bank does not receive the Performance Bank Guarantee within the above-mentioned period, subject to the terms and conditions contained herein, it shall be deemed to be automatically cancelled.

This guarantee shall be governed by and construed in accordance with the Indian Laws and we hereby submit to the exclusive jurisdiction of courts of Justice in India for the purpose of any suit or action or other proceedings arising out of this guarantee or the subject matter hereof brought by you may not be enforced in or by such court.

Dated this day 2017

Yours faithfully,

For and on behalf of the Bank,

(Signature)

Designation

(Address of the Bank) Note:

This guarantee will attract stamp duty as a security bond.

A duly certified copy of the requisite authority conferred on the official/s to execute the guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence in the matter.

Form: 14 Proforma for Power of Attorney

POWER OF ATTORNEY

(On a non-judicial stamp paper of appropriate value duly attested by notary public)

Know all men by these presents, we (name and address of the registered office of the Bidder) do hereby constitute, appoint and authorize Mr./ Ms. _____ R/o _____ who is presently employed with us and holding the position of _____, to do in our name and on our behalf, all such acts, deeds and things, necessary in connection with or incidental to the bid for _____ (the "Project"), including signing and submission of all documents and providing information/ responses to Gwalior Smart City Development Corporation Limited and representing us in all matters in connection with our bid for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For (Signature)

(Name, Title and Address)

Accept

..... (Signature)

(Name, Title and Address of the Attorney)

Notes:

- a) *To be executed by the Applicant.*
- b) *The mode of execution of Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.*
- c) *Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a resolution/ Power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the bidder.*

POWER OF ATTORNEY FOR LEAD MEMBER BY THE CONSORTIUM MEMBER

(On Non- Judicial Stamp paper of appropriate value to be purchased in the name of Consortium)

Know All Men By These Presents That We, the Members whose details are given hereunder..... have formed a Consortium and having our Registered Office(s)/ Head Office(s) at (hereinafter called the ‘Consortium’ which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns) do hereby constitute, nominate and appoint M/s..... having its Registered/ Head Office at as our duly constituted lawful Attorney (hereinafter called “Lead Member”) to exercise all or any of the powers for and on behalf of the CONSORTIUM to participate in RFP for _____, as per the scope of work stipulated therein for which bids have been invited by the Gwalior Smart City Development Corporation Limited (GSCDCL), to undertake the following acts:

- (i) To submit proposal, participate and correspond in respect of the aforesaid Bid – Specification of the GSCDCL on behalf of the “Consortium”.
- (ii) To negotiate with GSCDCL the terms and conditions for award of the contract pursuant to the aforesaid bid and to sign the contract with the GSCDCL for and on behalf of the “CONSORTIUM”.
- (iii) To do any other act or submit any document related to the above.
- (iv) To receive, accept and execute the contract for and on behalf of the “Consortium”.
- (v) To submit the Performance Bank Guarantee in the prescribed format and as per terms of the Contract.

It is clearly understood that the Lead Member shall ensure performance of the Contract and if one or both the members fail to perform their respective portion of the Contract, the same shall be deemed to be a default by all the members.

It is expressly understood that this power of Attorney shall remain valid, binding and irrevocable till completion of the Contract period i.e., _____ from the date of execution of the Contract.

The Consortium hereby agrees and undertakes to ratify and confirm all the whatsoever the said Lead Member quotes in the bid, negotiates and signs the Contract with the

GSCDCL and/or proposes to act on behalf of the Consortium by virtue of this Power of Attorney and the same shall bind the Consortium members as if done by itself.

In Witness Whereof, the members constituting the Consortium as aforesaid have executed these present on this day ofTwo Thousand Seventeen.

for and on behalf of the member of the Consortium

1.

Accept

.....(Signature)

(Name, Title and Address of the Attorney)

Notes:

1. The mode of execution of Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
2. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a resolution / Power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the executant(s).

Form: 15 Details of Bidder's organization

(On Company Letterhead of the Bidder, in case of consortium details of each of the members to be provided)

Sr. no.	Description	Response*
A	General Information	
1.	Name of the Bidder	
2.	Complete Address of Registered Office	
3.	Name of the Contact Person	
4.	Telephone Number (with ISD & STD Code)	
5.	Fax Number (with ISD & STD Code)	
6.	Address of the Bidder (As per KYC, need to be attached)	
7.	Year and Place of Establishment (Attached document evidence)	
8.	Details of Incorporation of the company (Attached document evidence)	
9.	Valid GST no. (Attached document evidence)	
10.	Valid TAN no. (Attached document evidence)	
11.	Valid PAN no. (Attached document evidence)	
12.	E-Mail Address	
13.	Website	
14.	Net worth at the end of the last three financial years ending 31 st March 2017 (Attached document evidence, certified by CA in practice)	
15.	List of countries where offices located	
16.	List of the City where offices located in India	
B	Indian Operations	
1.	Head of Indian Operations	
2.	Indian Head/Registered Office Address	
3.	Name of the Contact Person	
4.	Telephone Number (with ISD & STD Code)	
5.	Mobile no.	
6.	Fax Number (with ISD & STD Code)	
7.	E-Mail Address	
8.	Number of years in India	
9.	Number of offices	
10.	Number of payroll employees working on	
	Location:	
	Date:	

RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)

Signature of Authorized Signatory:	
Name of Authorized Signatory:	
Designation of Authorized Signatory:	
Official seal of the Company:	

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

Note:

Where the information cannot be provided in the above format, please furnish the information on a separate sheet. Please ensure proper reference between the row number (in above format) and the additional sheet used.

Form: 16 Declaration on not being blacklisted

(To be submitted on the Letterhead of the bidder)

(To be submitted by each member of the Consortium)

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

I, authorized representative of _____, hereby solemnly confirm that the _____ (“Company”) is not debarred/ black-listed by Central Government/ any State Government/ Public Sector Undertaking in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices or for any other reason as on last date of submission of the bid.

In the event of any deviation from the factual information/ declaration, GSCDCL reserves the right to reject the bid or terminate the Contract without any compensation to the Company.

Thanking you,

Yours faithfully,

Signature of Authorized Signatory (with official seal)

Date:

Name:

Designation:

Address:

Telephone & Fax:

E-mail address:

Form: 17 Undertaking of Authenticity

(On Company Letterhead of the Bidder/ Lead Bidder)

Date:

To

Executive Director
Gwalior Smart City Development Corporation Ltd.,
Gwalior Nagar Nigam Office, City Centre,
Gwalior-474003, Madhya Pradesh,

Sub.: “RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal School in Gwalior (M.P.)”

Ref.: RFP No.....; Dated.....

Dear Sir,

1. We hereby confirm that all the Hardware /Software (preloaded-OS and required drives and Antivirus) etc. mentioned in the RFP to be supplied shall be original & new Hardware/software (preloaded-OS, Antivirus and required drivers) only, from respective OEMs of the products and that no refurbished/ duplicate/ second hand components /parts/ assembly/ software shall be supplied or shall be used. We also undertake to produce certificate from the Original Equipment Manufacturers (OEMs) in support of the above statement at the time of delivery/ installation & commissioning.
2. We also confirm that in respect of licensed operating systems and other software and other utilities to be supplied, the same will be procured from authorized sources and supplied with Authorized License Certificate (e.g. Product keys on Certification of Authenticity in case of Windows Operating System and other software).
3. In case of default and the Purchaser finds that the above conditions are not complied with, we agree to take back the equipment supplied in full within seven (7) calendar days of intimation of the same by the Purchaser, without demur or any reference to a third party and without prejudice to any remedies the Purchaser may deem fit.
4. In case of default and we are unable to comply clause as mentioned in RFP, at the time of delivery or during installation & commissioning, for the specified Hardware and Softwares, (already billed, we agree to take back the Hardware with demur, if already supplied and return back with new Hardware.
5. We also take full responsibility of both parts & Service as per the content even if there is any defect by our authorized Service Centre / Reseller / SI etc.

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Form: 18 Compliance required for Hardware/Software

(On Company Letterhead of the Bidder/ Lead Bidder)

The bidder shall meet all the mandatory compliance criteria as specified in table depicts key specifications. Bidder should fill all points in table and upload the form with remark in the table.

1) Integrated Cabinet

Sl. no.	Parameter	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
1	Operating System (OS) & MS office, Adobe	Windows 10 Pro 64 bit		
2	Cabinet a) A wall mounted cabinet with lock & key and integrated processor (core i5, 4GB RAM or above, 500GB HDD), Keyboard, Mouse, Speakers and visualizer (max. 2592*1944) Integrated Feather touch central Controller system also for systematic control. b) Input/output port on front panel of Cabinet USB, VGA, Audio Port, Wireless Mic Port.			
3	Graphics	Intel HD Graphics 4600 or higher		
4	Ports	Total 5 USB ports with USB 3.0 Ports & USB 2.0 Ports, RS232 & RJ45, audio in/out, headphone and microphone. Display Port (On board/Adapter), Serial Port.		
5	Optical Drive	8X DVD Writer Drive		
6	Audio	Integrated High Definition audio		
7	Network connection	Gigabit Ethernet (GigE) network connection required		
8	Wireless LAN/WAN	Inbuilt Wi-Fi with Bluetooth & 802.11b/g/n		
9	Security	Serial, Parallel, USB enable/disable		
10	Certification	Certification Energy star 5.0/BEE star certified		

11	Pre-loaded software	Window-10 OS, Latest version of MS Office with minimum MS Word, MS Excel, MS Power Point), Latest version of Adobe Acrobat Reader, These software shall be preloaded (at the facility of OEM or any other.		
12	Additional Features: (PMA Complied Certifications)	<ul style="list-style-type: none"> • Energy Star certified for the Quoted Hardware. • TCO Certified for the quoted Monitor FCC/CE/UL Certificates • ROHS Compliance 	•	•
13	Warranty & AMS	<p>Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support))</p> <p>Note: Warranty should start after the acceptance of the Hardware at the time of Go-Live.</p>		

Note:

- Bidder should manage item i.e. Auto Switching HDMI Switcher and other items, as per the product requirements.
- Bidder can propose Desktop (with mentioned specifications) instead of Integrated Cabinet. Specifications for Computer Desktop are as:

Sl. no.	Parameter	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
1	Operating System (OS) & MS office and Adobe	Windows 10 Pro 64 bit		
2	CPU	Intel Core i5-7500T		
3	Memory	4 GB DDR4 RAM or Higher at 2400		
4	Storage	500 GB 7200RPM SATA		
5	Mouse	Wired □ USB 2 Button optical Scroll Mouse with mouse pad		
6	Keyboard	Wired □ USB 104 or more Etched keys bilingual compact and light weight		
7	Graphics	Intel HD Graphics 4600 or higher		
8	Monitor	Screen Size: 19.5" or higher LED monitor with 5ms or better response time. Resolution : 16:9 Ratio		

RFP for Development of Smart Classrooms (including supply, installation, commissioning, integration and maintenance) in Municipal Schools in Gwalior (M.P.)

9	Ports	Total 5 USB ports with USB 3.0 Ports & USB 2.0 Ports , at least 2 in front and 3 in back, RJ45, audio in/out, headphone and microphone. Display Port (On board/Adapter), Serial Port, VGA Port.		
10	Optical Drive	8X DVD Writer Drive		
11	Audio	Integrated High Definition audio		
12	Network connection	Gigabit Ethernet (GigE) network connection required		
13	Wireless LAN/WAN	Inbuilt Wi-Fi with Bluetooth 802.11b/g/n		
14	Security	Serial, Parallel, USB enable/disable		
15	Certification	Certification Energy star 5.0/BEE star certified		
16	Preloaded software	Window-10 OS, Latest version of MS Office with minimum MS Word, MS Excel, MS Power Point), Latest version of Adobe Acrobat Reader, These software shall be preloaded (at the facility of OEM or any other		

b) Power Point PPT Clickers:

Sl. no.	Parameter	Minimum Required Specification	Compliance (In Yes/No)	Remarks
1	22 RF 2.4GHz Wireless USB PowerPoint PPT Presenter Remote Control Wireless. Presentation Presenter Mouse With Pointer LED Light. Wireless freedom - long distance of 2.4 GHz wireless technology can be around 15 meters remote control			

2) CCTV & Related Equipments

a) IP based CCTV Camera

Minimum 3-Mega Pixel Fixed IP based Dome CCTV Camera			
Sr. no.	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
1.	Video Compression - H.264, H.264_High Profile & MJPEG		
2.	Audio Compression - G.711		
3.	Effective Pixels: - Minimum 1920x1080 for high definition video quality.		
4.	Frame Rate - The camera should capture images at a frame rate of 25fps at all resolutions.		
5.	Image Sensor - 1/3" Progressive scan CCD/CMOS/MOS sensor or better		
6.	Lens - 3.6mm~12mm Lens, AF automatic focusing and motorized zoom lens		
7.	Optical Zoom/Digital Zoom - Browser based		
8.	Minimum Illumination - Color @ 0.07 lux, B/W @ 0 lux		
9.	IR Distance - Min. 20 Meter or more		
10.	Image Setting - Compression, Color, Brightness, Sharpness, Contrast, White balance (Auto/Manual), Exposure control, Backlight compensation		
11.	Protocol - TCP/IP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP, QoS, FTP, SMTP, NTP, ARP, SNMP v1/v2c/v3		
12.	Security - Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X, User Access Log		
13.	ID/Password- Multilevel User ID/Password		
14.	IP Support - Static and Dynamic		
15.	Digital Noise Reduction - 3D DNR		
16.	Vandal Rating - IK10 rated vandal IP66 or better		
17.	Simultaneous Connections - 5 users or more		
18.	Signal to Noise Ratio- More than 500b		
19.	Wide Dynamic Range- Min. 100db		
20.	Operating Conditions - 0°C to 50°C		
21.	Weather Protection- IP66		
22.	View Material- Poly Carbonate/ Vandal-Proof (IK10 or equivalent)		

Minimum 3-Mega Pixel Fixed IP based Dome CCTV Camera			
Sr. no.	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
23.	Power Source - PoE, DC12V, AC24V		
24.	Accessories - All required OEM mounting and POE accessories		
25.	Alarm Terminal: Minimum 1 input, 1 Output		
26.	Ethernet: 10 Base-T/100Base-TX, RJ-45 Connector		
27.	SD Memory Card Feature : 32 GB or better		
28.	Certifications - Manufacturer shall furnish CE/UL/FCC Certifications for safety at the time of supply. CE/UL/FCC Certifications shall indicate address of manufacturing works of the OEM and the model certified.		
29.	Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support) Note: Warranty should start after the acceptance of the Hardware at the time of Go-Live.		

Note:

- CCTV camera should integrate with CCC and Video Management software would help to provide real time video to CCC. Vendor should manage the required hardware/software as per the requirements, as official can see the view of specified school location wise.
- Vendor should calculate the required camera storage and should manage storage as accordingly.
- Vendor should provide and manage Network Video Recorder (NVR) and Video Management Software (VMS) as required to manage screen (as required) and integrate with CCC (Command & Control Center) with appropriate storage of 30 days recording.

b) Document Camera

Document Camera			
Sr. no	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
1.	Connectivity Technology- Wired		
2.	Optical Sensor Size (Minimum): 1/ 2.7"		
3.	Installed Size : color		
4.	Video Format: NTSC, PAL or better		
5.	Digital Zoom (Minimum): 16×		

Document Camera			
Sr. no	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
6.	Features (minimum): SDHC-Card Slot, Auto Exposure, Auto White Balance, Automatic Brightness Adjustment, Built-In LED Lights, Contrast Control, Digital Image Freeze, Digital Image Rotation, Negative Conversion , Video Recording		
7.	Nominal Voltage (Minimum): AC 120/230 V		
8.	Frequency Required: 50 Hz		
9.	Power Consumption Operation (Minimum): 13 watt		
10.	Image Sensor Type (Minimum): 2MP CMOS 1 /2.7"		
11.	Lens Iris (Minimum): F/2.0 Focus Adjustment : Automatic		
12.	Interfaces Video ; HDMI, VGA Computer Interface: USB		
13.	Video Input (Minimum Image Capture Resolution): 1920×1080		
14.	Output Analog: SXGA/XGA/WXGA/1080p USB : QVGA/CGA/SVGA/XGA/SXGA HDMI : 480P/720P/1080P Composite Video: NTSC/PAL		
15.	Optics Shooting Area (Minimum): 11.7" × 16.5" (XGA) 11.7" × 20.7" (1080p)		
16.	OS Required (Minimum): Apple MacOS X 10.5.x, Microsoft Windows 7, Microsoft Windows Vista, Microsoft Windows XP SP2, Windows 8		
17.	Lens Aperture (Minimum): f/2.0		
18.	Focus Adjustment(Minimum): Automatic		
19.	Optical Sensor Size (metric) (Minimum): 9.4 mm (1/ 2.7")		
20.	Total Pixels (Minimum): 2000000 pixels		
21.	H×W×D (Minimum): 10 × 13 × 18 Inches		
22.	Weight (Minimum): 6 lbs		
23.	Frame Rate analog/USB: Max 30Fps		

c) 1KVA Online UPS

Sr. No.	Item	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
1	Type of UPS	Online UPS		
2	Capacity	1 KVA		
3	Technology	The UPS shall be based on IGBT, and microprocessor controlled for providing better sine wave output		
4	AC input voltage range	175 V to 275 V AC, Single phase.		
5	Input Frequency	47-53 Hz, (Suitable for working with Generator supply)		
6	UPS power factor at	0.8 or Better		
7	Ac Out Voltage	230V AC \pm 2% , Single Phase		
8	Output Frequency	50 Hz \pm 1%		
9	Waveform	Sinusoidal or equivalent/Better		
10	Efficiency	Min, 90% (at rated output voltage and frequency)		
11	Total Harmonics Distortion at	Max. 2%		
12	Indications	Standards visual Indication for proper functions of UPS		
13	Protection	Over & Under Voltage cut-off, Over Load and short		
14	Back up time	At least 2½ hrs.		
15	Type of Batteries	Sealed Maintenance free (SMF) Lead Acid Battery (VRLA)		
16	Remote Monitoring	SNMP Based Monitoring		
17	Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support) Note: Warranty should start after the acceptance of the Hardware at the time of Go-Live.			

Note:

- Bidder should keep UPS & Battery away from students. Bidder should keep UPS& Battery on movable trolley with safe guard.
- Bidder has to identify the location inside the class room.
- Online UPS required to provide un-interrupt power supply to Wifi-router, Projector & Interactive Board, Bio-Metric Device and CCTV camera. etc..

3) Wi-Fi based Biometric Attendance System

Sr. No.	Item	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
1	Biometric Sensor and Extractor	All the parameters of Biometric Devices for Authentication should be as per latest STQC scheme for certification of Biometric Devices (Authentication). STQC certified sensor and extractor only.		
2	Processor	32 bit/620Mhz, High Speed Embedded Processor		
3	Memory	256 MB Flash + 256 DRAM Higher Memory Capacity to store fingerprints >=3000 Memory capacity to store transaction logs >=1,00,000 Memory capacity to store device operation logs >=1,00,000		
4	Add on Memory	Micro SD Slot Minimum 4GB or more (optional)		
5	Ports	USB 2.0 or higher-1 or more nose, Wi-Fi		
6	Display	Minimum 2.8 inch VGA color/ Touch-screen		
7	Identification Time	Less than 1 sec. (4000 Templates)		
8	Template capacity	10,00,000 events (Users : 50000 Persons)		
9	Record Log Capacity	Min 50,000 events		
10	DPI Optical Sensor	Minimum 500DPI optical Sensor		
11	Template and Transaction	3000FP Templates & 100000 Transaction		
12	Connectivity	Connectivity can be through Wi-Fi b/g/n/Fixed broadband. Two channels of connectivity are mandatory for devices.		
13	Communication	TCP/IP, RS-232/485, USB-Host, Wireless LAN, WIFI		
14	Language Support	Unicode Support for Hindi & English		

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15	PC Interface	USB, RS232		
16	USB memory slot	Supports		
17	OS/Software	Following OS with GUI Support, JVM or Equivalent support & SDK for 3rd party application development I. Linux 2.6 or higher ii windows iii, Android-V, Any other equivalent OS		
18	Identify faked Fingerprint	Identifiable		
19	Identify latent Fingerprint	Identifiable		
20	Size	Min. 167 x 125 x 40 (W X H X D) Or equivalent		
21	Card Options	Mifare, HID Proximity, EM Card		
22	Internal Battery Back-up	Minimum 2 hrs Battery Backup or better		
23	Security	Security 2048-bit PKI, 256-bit AES, Base 64, SHA-256(optional).		
24	Power Adaptor	AC/DC Adaptor with surge protection, input 100-264V AC, 50Hz		
25	Humidity	10-90% RH Non- condensing		
26	Speaker	A facility should be provided for voice confirmation of the transaction, 1w or more		
27	Push Data	Support Push data capability		
28	Support Configuration	Support to Aadhar data base		
29	<i>Device should supports hotspot mode and allow mobile Apps. connection and check in/out and download record directly.</i>			
30	<p>Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support))</p> <p>Note: <i>Warranty should start after the acceptance of the Hardware at the time of Go-Live.</i></p>			

4) Multimedia Projector with Interactive white Board

Item	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
a) Multimedia Projector			
Multimedia Projector	<ul style="list-style-type: none"> • Projector/ Technology Type : DLP • Native Resolution: 1024 x 768 XGA. • Projector Lens: Type - Optical Zoom (Manual)/ Focus (Manual), Short Throw, F-Number -1.58 - 1.72, Focal Length - 16.9 - 20.28 mm, • Aspect Ratio : 4:3 Native, 16:9 supported, Zoom Ratio - 1 - 1.2, Throw Ratio - 1.48 - 1.77 (Wide - Tele), • Lamp: Type - 240 W High Pressure Mercury Lamp, Life (Normal/Eco) - 3,000 hours /10,000 hours. Screen Size (Projected Distance): Zoom: 40" -200". • Brightness: White Light Output (Normal /Eco) - 3,000lm/ 2,100lm Colour Light Output: 3,000lm Contrast Ratio: 10,000:1 Internal Speakers: Sound Output - 2W or above. • Analog Input: D-Sub 15 pin - 1 (Blue), Component - D-Sub 15pin x 1 (Blue) (common with Analog RGB connector), Composite - RCAx 1 (Yellow), S-Video - Mini DIN x 1. • Audio Input: RCA (White/Red) - 1 pair. • Power Supply Voltage: 100 - 240 V AC ±10%, 50/60 Hz • Power Consumption (220 - 240V): Lamp On (Normal/ Eco) - 295W/ 201W. • Fan Noise (Normal / Eco): equal to 37dB/ 29dB • Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support)) <p><i>Note: Warranty should start after the acceptance of the Hardware at the time of Go-Live.</i></p>		
b) Interactive Touch Screen white Board			
Interactive Touch Screen White Board	<ul style="list-style-type: none"> • Type: Ceramic or Better • Screen Size: Minimum 78" Diagonal. • Aspect Ratio: 4:3 • Technology: Optical • Touch sensitivity: Multiple touch availability • Marker use: Available • Surface: Low Reflection, Anti Scratch, Fire proof. 		

	<ul style="list-style-type: none"> • Power: Through USB • Cursor Speed: Greater than or Equal to 125 dots/second • Compatibility: <ul style="list-style-type: none"> ○ Windows Platform or ○ Mac OS X upto 10.8 or ○ Linux • Included Components: <ul style="list-style-type: none"> ○ Software ○ USB Cable ○ 4 Touch Board Pend ○ Touch Board Wand • Resolution: Minimum 32000x32000 • Computer Connection: <ul style="list-style-type: none"> ○ USB ○ Support for Wireless • Software: Have interactive features like Pens, Smart Pen, Texture writing, Hand Writing recognition, palm touch, image gallery, image enlarge, snap shots, recording lectures, reveal option, focus to specific part of content, zoom etc. • Position Accuracy: Less than or equal to 0.2 mm • Accessories (Along with the H/W): Stylus, USB Cables, Software CD, Installation Guide, Brackets. • Active Size (Minimum): 88inches • Aspect Ratio(Minimum)- 16:10 • Width (Minimum): 81.3 Inches • Height (Minimum): 52.1 Inches • Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support)) <p><i>Note: Warranty should start after the acceptance of the Hardware at the time of Go-Live.</i></p>		
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5) Speaker

Item	Minimum Required Specification	Compliance (In Yes/No)	Remarks
Audio System (One Set) with wireless microphone	Walls mount set of speakers, Minimum 2.0, Channel, Clear Audibility for classroom of Max. length. (approx.) 22*18 feet.		

6) Antivirus

Item	Minimum Required Specifications	Compliance (In Yes/No)	Remarks
Antivirus (with minimum Requirements)	<ul style="list-style-type: none"> Antivirus software shall have protection of Antivirus i.e. Anti spy ware and Firewall. This will continuously protect the PC from viruses, spy wares, and hackers. Antivirus software is protection for PC. Antivirus software shall be upgraded regularly. Detects and removes viruses, worms and Trojans automatically. Protects the files, scans and cleans spy wares and blocking their activities of identity theft automatically. Protects the privacy by detecting and cleaning spy wares and blocking their activities of identity theft automatically. Daily automatic updates Detects and removes complex Spy wares and Trojans Detects and removes latest ad wares, dialers, bots and risk wares DNAS can technology takes care of new unknown malwares even before the signature update is available. Easy configuration of security level Detects all types of hacker attacks Protects all types of network connectivity Monitors all incoming connections automatically. 		

7) Other related

Particular	Minimum Requirements	Compliance (In Yes/No)	Remarks
Training & Handholding	Training & handholding for Minimum 2 nos. of teachers per smart classroom (TOT - training of trainers) & refresher training after periodic upgrade of s/w.		
Multimedia Content	Interactive Multimedia Content – Multimedia content mapped to curriculum with animated lessons to facilitate the learning in the classrooms across various subjects. with respect to Madhya Pradesh state board curriculum.		
	Multimedia content should be for standard 1st class to 8th class (for all		

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	applicable subjects) as according the MP Board curriculum		
Help Desk Service for 5 years	Multimedia Projector & interactive white board, UPS power backup, IP based CCTV Camera and other related hardware/software items, as specified in RFP.		

Yours faithfully,

Authorized Signature [In full and initials]

Name and Title of Signatory:

Company Name:

Company Seal

Address:

Place:

Date:

6. Section VI: Annexure

Annexure: 1 List of proposed Municipal Schools of Gwalior for develop the Smart Classroom.

“ग्वालियर स्मार्ट सिटी परियोजना अंतर्गत चिन्हांकित शासकीय विद्यालयों की सूची”

स.क्र.	संस्था का नाम	डाइस कोड	संचालित संस्था का वर्तमान पता
1	शा.मा.वि.	23040504506	शा.मा.वि. गोरखी क्र.2, पिछाड़ी डोढी, लशकर
2	शा.उ.मा.वि.	23040503802	शा.उ.मा.वि. संजय नगर गोल पहाड़िया, ग्वालियर
3	शा.क.हाईस्कूल	23040506945	शा.कन्या हाईस्कूल,सिकंदर कम्पू, लशकर, ग्वालियर
4	शा.मा.वि.	23040504705	शा.मा.वि.काला सैयद,नया पूरा तारागंज, ग्वालियर
5	शा.उ.मा.वि.	23040506620	शा.क.उ.मा.वि.मामा का बाज़ार, लशकर, ग्वालियर
6	शा.उ.मा.वि.	23040505749	शा.क.उ.मा.वि.गजराराजा बाड़ा, लशकर, ग्वालियर
7	शा.उ.मा.वि.	23040516745	शा.उ.मा.वि.जनकगंज, लशकर, ग्वालियर
8	शा.प्रा.वि.	23040507201	शा.प्रा. वि. अवाड़पुरा, लशकर, ग्वालियर
9	शा.प्रा.वि.	23040507305	शा.प्रा. कन्या वि. एस.ए.एफ. कम्पू ग्वालियर
10	शा.उ.मा.वि.	23040516515	शा.उ.मा.वि.बा.टकसाल,कम्पू, लशकर, ग्वालियर
11	शा.उ.मा.वि.	23040507020	शा.उ.मा.वि.बा.पागनबीसी, सिंधी कॉलोनी कम्पू, लशकर, ग्वालियर
12	शा.उ.मा.वि.	23040505335	शा.क.उ.मा.वि.पदमा, कम्पू, लशकर, ग्वालियर
13	शा.उ.मा.वि.	23040505335	शा.क.उ.मा.वि.पदमा, कम्पू, लशकर, ग्वालियर
14	शा.उ.मा.वि.	23040507021	शा.उ.मा.वि.क.हिंदी विद्यापीठ, मैस्कोट कम्पू, लशकर
15	शा.उ.मा.वि.	23040507898	शा.उ.मा.वि.बा. हरिदर्शन, ग्वालियर
16	शा.क.उ.मा.वि	23040516637	शा.क.उ.मा.वि शिंदे की छावनी,लशकर, ग्वालियर
17	शा.उ.मा.वि.	23040502136	शा.उ.मा.वि.बा. जीवाजी राव, लशकर, ग्वालियर
18	शा.उ.मा.वि.	23040504548	शा.उ.मा.वि.बा. गोरखी, लशकर, ग्वालियर
19	शा.हाईस्कूल	23040506618	शा.हाईस्कूल इंजीनियरिंग, ग्वालियर
20	शा.प्रा.वि.	23040510601	शा.प्रा.वि. शिंदे की छावनी, लशकर, ग्वालियर
21	शा.क.उ.मा.वि	23040516896	शा.क.उ.मा.वि फोर्ट रोड हजीरा किला गेट, ग्वालियर
22	शा.उ.मा.वि.	23040509861	शा.उ.मा.वि.बा. पटेल, ग्वालियर
23	शा.उ.मा.वि.	23040509862	शा.उ.मा.वि.बा. शिक्षा नगर, ग्वालियर
24	शा.मा.वि.	23040515701	शा.मा.वि.ओल्ड ब्रेबरी तानसेन रोड, ग्वालियर
25	शा.मा.वि.	23040509403	शा.मा.वि.बा. रेल्वे कॉलोनी, ग्वालियर
26	शा.उ.मा.वि.	23040516895	शा.उ.मा.वि.डी. आर.पी. लाइन, ग्वालियर
27	शा.मा.वि.	23040500202	शा.मा.वि.वाबन पाइगा अनंद नगर, ग्वालियर
28	शा.मा.वि.	23040507903	शा.मा.वि.नाका चन्द्रवदनी, ग्वालियर

स.क्र.	संस्था का नाम	डाइस कोड	संचालित संस्था का वर्तमान पता
29	शा.माडल.उ.मा.वि.	23040502138	शा.माडल.उ.मा.वि. दिनदयाल नगर, ग्वालियर
30	शा.मा.वि.	23040514005	शा.मा.वि.सेविन्थ बटालियन, गोले का मंदिर थाना मुरार, ग्वालियर
31	शा.वा.उ.मा.वि.	23040515065	शा.बा.उ.मा.वि. थाटीपुर, मुरार, ग्वालियर
32	शा.उ.मा.वि.	23040517075	शा.उ.मा.वि. उत्कृष्ण क्रं 1 मुरार, ग्वालियर
33	शा.उ.मा.वि.	2304051570899	शा.उ.मा.वि.बालक मुरार न.2, ग्वालियर
34	शा.क.उ.मा.वि	23040516259	शा.क.उ.मा.वि लक्ष्मीबाई, मुरार, ग्वालियर
35	शा.क.उ.मा.वि	23040515066	शा.क.उ.मा.वि थाटीपुर, ग्वालियर
36	शा.प्रा.वि.	23040514401	शा.प्रा.वि.कन्या थाटीपुर, मुरार, ग्वालियर
37	शा.प्रा.वि.	23040514701	शा.प्रा.वि.बालक थाटीपुर, मुरार, ग्वालियर

Note:

- GSCDCL any time reduce or increase the no. of the Municipal Schools for the development of smart class room. GSCDCL has to confirm list of schools, before the signing of Contract Agreement.

Annexure: 2 Specification for Required Hardware/Software and other, as per scope of work

1) a) Integrated Cabinet

Sl. no.	Parameter	Minimum Required Specifications
1	Operating System (OS) & MS office, Adobe	Windows 10 Pro 64 bit
2	Cabinet a) A wall mounted cabinet with lock & key and integrated processor (core i5, 4GB RAM or above, 500GB HDD), Keyboard, Mouse, Speakers and visualizer (max. 2592*1944) Integrated Feather touch central Controller system also for systematic control. b) Input/output port on front panel of Cabinet USB, VGA, Audio Port, Wireless Mic Port.	
3	Graphics Card	Intel HD Graphics 4600 or higher
4	Ports	Total 5 USB ports with USB 3.0 Ports & USB 2.0 Ports, RS232 & RJ45, audio in/out, headphone and microphone. Display Port (On board/Adapter), Serial Port.
5	Optical Drive	8X DVD Writer Drive
6	Audio	Integrated High Definition audio
7	Network connection	Gigabit Ethernet (GigE) network connection required
8	Wireless LAN/WAN	Inbuilt Wi-Fi with Bluetooth 802.11b/g/n
9	Security	Serial, Parallel, USB enable/disable
10	Certification	Certification Energy star 5.0/BEE star certified
11	Pre-loaded software	Window-10 OS, Latest version of MS Office with minimum MS Word, MS Excel, MS Power Point), Latest version of Adobe Acrobat Reader, These software shall be preloaded (at the facility of OEM or any other
12	Additional Features: (PMA Complied Certifications)	<ul style="list-style-type: none"> • Energy Star certified for the Quoted Hardware. • TCO Certified for the quoted Monitor FCC/CE/UL Certificates • ROHS Compliance
13	Warranty & AMS	Warranty & AMS: Vendor shall provide 2 years warranty and 3 years Comprehensive AMS (Annual Maintenance Support) Note: Warranty should start after the acceptance of the Hardware at the time of Go-Live.

Note:

a) Bidder should manage item i.e. Auto Switching HDMI Switcher and other items, As per the product requirements.

b) Bidder can propose Desktop (with mentioned specifications) instead of Integrated Cabinet. Specifications for Computer Desktop are as:

Sl. no.	Parameter	Minimum Required Specifications
1	Operating System (OS) & MS office and Adobe	Windows 10 Pro 64 bit
2	CPU	Intel Core i5□7500T (QC/6MB/4T/2.7GHz/35W
3	Memory	4 GB DDR4 RAM or Higher at 2400 Mhz
4	Storage	500 GB 7200RPM SATA
5	Mouse	Wired □ USB 2 Button optical Scroll Mouse with mouse pad
6	Keyboard	Wired □ USB 104 or more Etched keys bilingual compact and light weight keyboard with Indian Rupees symbol.
7	Graphics Card	Intel HD Graphics 4600 or higher
8	Monitor	Screen Size: 19.5” or higher LED monitor with 5ms or better response time. Resolution : 16:9 Ratio
9	Ports	Total 5 USB ports with USB 3.0 Ports & USB 2.0 Ports , at least 2 in front and 3 in back, RJ□45 (1), audio in/out, headphone and microphone. Display Port (On board/Adapter), Serial Port (1), VGA Port (1).
10	Optical Drive	8X DVD Writer Drive
11	Audio	Integrated High Definition audio
12	Network connection	Gigabit Ethernet (GigE) network connection required
13	Wireless LAN/WAN	Inbuilt Wi□Fi with Bluetooth □ 802.11b/g/n
14	Security	Serial, Parallel, USB enable/disable
15	Certification	Certification Energy star 5.0/BEE star certified
16	Pre□loaded software	Window-10 OS, Latest version of MS Office with minimum MS Word, MS Excel, MS Power Point), Latest version of Adobe Acrobat Reader, These software shall be preloaded (at the facility of OEM or any other

b) Power point PPT Clicker

Sl. no.	Parameter	Minimum Required Specifications
1	22 RF 2.4GHz Wireless USB PowerPoint PPT Presenter Remote Control Wireless. Presentation Presenter Mouse With Pointer LED Light. Wireless freedom - long distance of 2.4 GHz wireless technology can be around 15 meters remote control	

2) a) CCTV & Related Equipments

Minimum 3-Mega Pixel Fixed IP based Dome CCTV Camera	
Sr. no.	Minimum Required Specifications
1	Video Compression - H.264, H.264_High Profile & MJPEG
2	Audio Compression - G.711
3	Effective Pixels: - Minimum 1920x1080 for high definition video quality.
4	Frame Rate – The camera should capture images at a frame rate of 25fps at all resolutions.
5	Image Sensor – 1/3” Progressive scan CCD/CMOS/MOS sensor or better
6	Lens - 3.6mm~12mm Lens, AF automatic focusing and motorized zoom lens
7	Optical Zoom/Digital Zoom – Browser based
8	Minimum Illumination - Color @ 0.07 lux, B/W @ 0 lux
9	IR Distance – Min. 20 Meter or more
10	Image Setting – Compression, Color, Brightness, Sharpness, Contrast, White balance (Auto/Manual), Exposure control, Backlight compensation
11	Protocol - TCP/IP, UDP, HTTP, HTTPS, RTP, RTSP, DHCP, ICMP, QoS, FTP, SMTP, NTP, ARP, SNMP v1/v2c/v3
12	Security - Security Password protection, HTTPS (SSL, TLS), IP filtering, IEEE 802.1X, User Access Log
13	ID/Password- Multilevel User ID/Password
14	IP Support - Static and Dynamic
15	Digital Noise Reduction - 3D DNR
16	Vandal Rating - IK10 rated vandal IP66 or better
17	Simultaneous Connections – 5 users or more
18	Signal to Noise Ratio- More than 500b
19	Wide Dynamic Range- Min. 100db

Minimum 3-Mega Pixel Fixed IP based Dome CCTV Camera	
Sr. no.	Minimum Required Specifications
20	Operating Conditions - 0°C to 50°C
21	Weather Protection - IP66
22	View Material - Poly Carbonate/ Vandal-Proof (IK10 or equivalent)
23	Power Source - PoE, DC12V, AC24V
24	Accessories - All required OEM mounting and POE accessories
25	Alarm Terminal: Minimum 1 input, 1 Output
26	Ethernet: 10 Base-T/100Base-TX, RJ-45 Connectors
27	SD Memory Card Feature : 32 GB or better
28	Certifications – Manufacturer shall furnish CE/UL/FCC Certifications for safety at the time of supply. CE/UL/FCC Certifications shall indicate address of manufacturing works of the OEM and the model certified.

Note:

- CCTV camera should integrate with CCC and Video Management software would help to provide real time video to CCC. Vendor should manage the required hardware/software as per the requirements, as official can see the view of specified school location wise.
- Vendor should also manage CAT-6 cable requirements, as per the scope mentioned in RFP.
- Vendor can provide and manage Network Video Recorder (NVR) and Video Management Software (VMS) as required to manage and integrated with CCC with appropriate storage of 30 days recording. Vendor can calculate the required camera storage and should manage storage as accordingly.

b) Document Camera

Sr. no.	Minimum Required Specifications
1.	Connectivity Technology- Wired
2.	Optical Sensor Size (Minimum): 1/ 2.7”
3.	Installed Size : color
4.	Video Format: NTSC, PAL or better
5.	Digital Zoom (Minimum): 16×
6.	Features (minimum): SDHC-Card Slot, Auto Exposure, Auto White Balance, Automatic Brightness Adjustment, Built-In LED Lights, Contrast Control, Digital Image Freeze, Digital Image Rotation, Negative Conversion, Video Recording

Sr. no.	Minimum Required Specifications
7.	Nominal Voltage (Minimum): AC 120/230 V
8.	Frequency Required: 50 Hz
9.	Power Consumption Operation (Minimum): 13 watt
10	Image Sensor Type (Minimum): 2MP CMOS 1 /2.7"
11	Lens Iris (Minimum): F/2.0 Focus Adjustment : Automatic
12	Interfaces Video ; HDMI, VGA Computer Interface: USB
13	Video Input (Minimum Image Capture Resolution): 1920×1080
14	Output Analog: SXGA/XGA/WXGA/1080p USB : QVGA/CGA/SVGA/XGA/SXGA HDMI : 480P/720P/1080P Composite Video: NTSC/PAL
15.	Optics Shooting Area (Minimum): 11.7" × 16.5" (XGA) 11.7" × 20.7" (1080p)
16	OS Required (Minimum): Apple MacOS X 10.5.x, Microsoft Windows 7, Microsoft Windows Vista, Microsoft Windows XP SP2, Windows 8
17	Lens Aperture (Minimum): f/2.0
18	Focus Adjustment(Minimum): Automatic
19	Optical Sensor Size (metric) (Minimum): 9.4 mm (1/ 2.7")
20	Total Pixels (Minimum): 2000000 pixels
21	H×W×D (Minimum): 10 × 13 × 18 Inches
22	Weight (Minimum): 6 lbs
23	Frame Rate analog/USB: Max 30Fps

3)1KVA Online UPS

Item	Minimum Required Specifications
Type of UPS	Online UPS
Capacity	1 KVA
Technology	The UPS shall be based on IGBT, and microprocessor controlled for providing better sine wave output
AC input voltage range	175 V to 275 V AC, Single phase.
Input Frequency	47-53 Hz, (Suitable for working with Generator supply)
UPS power factor at	0.8 or Better

Ac Out Voltage	230V AC \pm 2% , Single Phase
Output Frequency	50 Hz \pm 1%
Waveform	Sinusoidal or equivalent/Better
Efficiency	Min, 90% (at rated output voltage and frequency)
Total Harmonics Distortion at	Max. 2%
Indications	Standards visual Indication for proper functions of UPS
Protection	Over & Under Voltage cut-off, Over Load and short
Back up time	At least 2½ hrs.
Type of Batteries	Sealed Maintenance free (SMF) Lead Acid Battery (VRLA)
Remote Monitoring	SNMP Based Monitoring

4) Wi-Fi based Biometric Attendance System

Item	Minimum Required Specifications
Biometric Sensor and Extractor	All the parameters of Biometric Devices for Authentication should be as per latest STQC scheme for certification of Biometric Devices (Authentication). STQC certified sensor and extractor only.
Processor	32 bit/620Mhz, High Speed Embedded Processor
Memory	256 MB Flash + 256 DRAM Higher Memory Capacity to store fingerprints \geq 3000 Memory capacity to store transaction logs \geq 1,00,000 Memory capacity to store device operation logs \geq 1,00,000
Add on Memory	Micro SD Slot Minimum 4GB or more (optional)
Ports	USB 2.0 or higher-1 or more nose, Wi-Fi
Display	Minimum 2.8 inch VGA color/ Touch- screen
Identification Time	Less than 1 sec. (4000 Templates)
Template capacity	10,00,000 events (Users : 50000 Persons)
Record Log Capacity	Min 50,000 events
DPI Optical Sensor	Minimum 500DPI optical Sensor
Template and Transaction	3000FP Templates & 100000 Transaction
Connectivity	Connectivity can be through Wi-Fi b/g/n/Fixed broadband.

	Two channels of connectivity are mandatory for devices.
Communication	TCP/IP, RS-232/485,USB-Host, Wireless LAN, WIFI
Language Support	Unicode Support for Hindi & English
PC Interface	USB, RS232
USB memory slot	Supports
OS/Software	Following OS with GUI Support, JVM or Equivalent support & SDK for 3 rd party application development I. Linux 2.6 or higher ii windows iii, Android-V, Any other equivalent OS
Identify faked Fingerprint	Identifiable
Identify latent Fingerprint	Identifiable
Size	Min. 167 x 125 x 40 (W X H X D) Or equivalent
Card Options	Mifare, HID Proximity, EM Card
Internal Battery Back-up	Minimum 2 hrs Battery Backup or better
Security	Security 2048-bit PKI, 256-bit AES, Base 64, SHA-256(optional).
Power Adaptor	AC/DC Adaptor with surge protection, input 100-264V AC, 50Hz
Humidity	10-90% RH Non- condensing
Speaker	A facility should be provided for voice confirmation of the transaction, 1w or more
Push Data	Support Push data capability
Support Configuration	Support to Aadhar

Note:

- a) *Device should supports hotspot mode and allow mobile APPs connection and check in/out and download record directly.*
- b) *Device should integrate with CCC and provide data to mobile's message notification to respective parents.*
- c) *Device should support configuration with Aadhar data base system*

5) Multimedia Projector with Interactive white Board

Item	Minimum Required Specifications
a) Multimedia Projector	
Multimedia Projector	<ul style="list-style-type: none"> • Projector/ Technology Type : DLP • Native Resolution: 1024 x 768 XGA. • Projector Lens: Type - Optical Zoom (Manual)/ Focus (Manual), Short Throw, F-Number -1.58 - 1.72, Focal Length - 16.9 - 20.28 mm, • Aspect Ratio : 4:3 Native, 16:9 supported, Zoom Ratio - 1 - 1.2, Throw Ratio - 1.48 - 1.77 (Wide - Tele), • Lamp: Type - 240 W High Pressure Mercury Lamp, Life (Normal/Eco) - 3,000 hours /10,000 hours. Screen Size (Projected Distance): Zoom: 40” -200”. • Brightness: White Light Output (Normal /Eco) - 3,000lm/ 2,100lm Colour Light Output: 3,000lm Contrast Ratio: 10,000:1 Internal Speakers: Sound Output - 2W or above. • Analog Input: D-Sub 15 pin - 1 (Blue), Component - D-Sub 15pin x 1 (Blue) (common with Analog RGB connector), Composite - RCAx 1 (Yellow), S-Video - Mini DIN x 1. • Audio Input: RCA (White/Red) - 1 pair. • Power Supply Voltage: 100 - 240 V AC ±10%, 50/60 Hz • Power Consumption (220 - 240V): Lamp On (Normal/ Eco) - 295W/ 201W. • Fan Noise (Normal / Eco): equal to 37dB/ 29dB
b) Interactive Touch Screen white Board	
Interactive Touch Screen White Board	<ul style="list-style-type: none"> • Type: Ceramic or better • Screen Size: Minimum 78" Diagonal. • Aspect Ratio: 4:3 • Technology: Optical • Touch sensitivity: Multiple touch availability • Marker use: Available • Surface: Low Reflection, Anti Scratch, Fire proof. • Power: Through USB • Cursor Speed: Greater than or Equal to 125 dots/second • Compatibility: <ul style="list-style-type: none"> ○ Windows Platform or ○ Mac OS X upto 10.8 or ○ Linux • Included Components: <ul style="list-style-type: none"> ○ Software ○ USB Cable ○ 4 Touch Board Pend ○ Touch Board Wand • Resolution: Minimum 32000x32000 • Computer Connection: <ul style="list-style-type: none"> ○ USB ○ Support for Wireless • Software: Have interactive features like Pens, Smart Pen, Texture writing, Hand Writing recognition, palm touch, image gallery,

	<p>image enlarge, snap shots, recording lectures, reveal option, focus to specific part of content, zoom etc.</p> <ul style="list-style-type: none"> • Position Accuracy: Less than or equal to 0.2 mm • Accessories (Along with the H/W): Stylus, USB Cables, Software CD, Installation Guide, Brackets. • Active Size (Minimum): 88inches • Aspect Ratio(Minimum)- 16:10 • Width (Minimum): 81.3 Inches • Height (Minimum): 52.1 Inches
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6) Speaker

Item	Minimum Required Specifications
Audio System (One Set) with wireless microphone	Walls mount set of speakers, Minimum 2.0, Channel, Clear Audibility for classroom of Max length. (approx.) 22*18 feet.

7) Antivirus

Item	Minimum Required Specifications
Antivirus (with minimum Requirements)	<p>Antivirus software shall have protection of Antivirus i.e. Anti spy ware and Firewall. This will continuously protect the PC from viruses, spy wares, and hackers. Antivirus software is protection for PC. Antivirus software shall be upgraded regularly.</p> <p>Detects and removes viruses, worms and Trojans automatically. Protects the files, scans and cleans spy wares and blocking their activities of identity theft automatically.</p> <p>Protects the privacy by detecting and cleaning spy wares and blocking their activities of identity theft automatically.</p> <p>Daily automatic updates Detects and removes complex Spy wares and Trojans Detects and removes latest ad wares, dialers, bots and risk wares DNAS can technology takes care of new unknown malwares even before the signature update is available. Easy configuration of security level Detects all types of hacker attacks Protects all types of network connectivity Monitors all incoming connections automatically.</p>

8) Other related

Particular	Minimum Requirements
Training & Handholding	Training & handholding for Minimum 2 nos. of teachers per subject per class standards of smart classroom (TOT -training of trainers) & refresher training after periodic upgrade of s/w or as required.

Multimedia Content	Interactive Multimedia Content – Multimedia content mapped to curriculum with animated lessons to facilitate the learning in the classrooms across various subjects with respect to Madhya Pradesh state board curriculum. Multimedia content should be for standard 1st class to 8th class (for all applicable mentioned subjects) as according the MP Board curriculum.
Help Desk Service for 5 years	Multimedia Projector & interactive white board, UPS power backup, IP based CCTV Camera and other related hardware/software items, as specified in RFP.