BID DOCUMENT

Selection of System Integrator for Design, Delivery, Installation & Commissioning of Multiple educational solutions across Government Schools of Tripura.

Part -I – TECHNICAL BID

NIT No- EdCIL/DES/ES-Tripura/2025/002

Dated: 11.06.2025

EdCIL (India) Limited
A Govt. of India, Mini Ratna Category-I CPSE
EdCIL House, Plot No. 18A, Sector 16A,
Noida-201301 (U.P.) India
Tel: 0120 – 2512001-006, FAX: 0120-2515372
Reg. Office: 7th Floor, Amba Deep, 14, KG Marg, New Delhi-110001
CIN No.: U74899DL1981GOI011882

This document is serially numbered from page number 01 to 112

`DISCLAIMER

The information contained in this Request for Proposal document (the "RFP") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of the Company or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an Agreement and is neither an offer nor invitation by the Company to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their financial offers (BIDs) pursuant to this RFP. This RFP includes statements, which reflect various assumptions and assessments arrived at by the Company in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This RFP may not be appropriate for all persons, and it is not possible for the Company, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP. The assumptions, assessments, statements and information contained in the Bidding Documents may not be complete, accurate, adequate or correct. Each Bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources.

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

The Company, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way for participation in this BID Stage.

The Company also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP. The Company may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

The issue of this RFP does not imply that the Company is bound to select a Bidder or to appoint the Successful Bidder, as the case may be, for the Project and the Company reserves the right to reject all or any of the Bidders or BIDs without assigning any reason whatsoever.

The Bidder shall bear all its costs associated with or relating to the preparation and submission of its BID including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Company, site visits, investigations, studies, 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 Company shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the BID, regardless of the conduct or outcome of the Bidding Process.

Table of Contents

Part -I – TECHNICAL BID **1**

Notice Inviting Tender 6

CHAPTER- I 8

Offline and Online Bid Submission 8

CHAPTER-II 10

Definitions 10

CHAPTER-III 11

Instructions for E-Tendering 11

CHAPTER-IV 14

Instruction to bidders 14

CHAPTER-V 20

Scope of Work 20

CHAPTER-VI 30

Eligibility and Bid Evaluation 30

Chapter-VII 40

Delivery Timeline & Payment terms 40

Chapter-VIII 42

Key Contract Terms 42

ANNEXURE-I 48

Letter of Undertaking 48

ANNEXURE-II 49

DECLARATION SHEET 49

ANNEXURE-III 50

Tender Compliance Sheet 50

ANNEXURE-IV 51

SELF-DECLARATION: NON-BLACKLISTING 51

ANNEXURE-V 52

Annual Turnover Form 52

ANNEXURE-VI 53

Technical Compliance Sheet 53

Annexure VII 54

List of Orders Executed 54

ANNEXURE-VIII 55

Manufacturer (OEM) Authorization Form 55

ANNEXURE-IX 56

Power of Attorney 56

ANNEXURE-X 58

LETTER OF BID SUBMISSION 58
ANNEXURE – XI 60
Bank Guarantee towards Bid Security (EMD) 60
Annexure XII 62
PERFORMANCE BANK GUARANTE FORMAT 62
ANNEXURE-XIII 65
PROFORMA PRE CONTRACT INTEGRITY PACT 65
Annexure XIV 73
Contract Form 73
ANNEXURE- XV 75
LIST OF AUTHORISED BANKS FOR BG 75
Annexure XVI 76
Performa for declaration on proceedings under insolvency and bankruptcy code 76
Annexure XVII 77
Pre-Bid Query Format 77
Annexure XVIII 78
Solution Wise Specifications 78

Notice Inviting Tender

(e-Tendering mode)

EdCIL (INDIA) LIMITED
(A Govt. of India Mini Ratna CATEOGRY-I CPSE)
SECTOR 16A, NOIDA

N.I.T. No. EdCIL/DES/ES-Tripura/2025/002 **Date**:11.06.2025

Name of work	Selection of System Integrator for Design, Delivery, Installation & Commissioning of Multiple educational solutions across Government Schools of Tripura.
The Currency in which payment shall be made	Indian Rupees (INR)
Date of Issue/Publishing	11.06.2025
Document Download Start Date	11.06.2025
Pre-Bid Submission	14.06.2025 till 1600 Hrs
Pre-Bid meeting	16.06.2025at 1200 Hrs
Document Download End Date and Time	25.06.2025 till 1430 Hrs
Pre-Bid queries should reach by	14.06.2025 till 16:00 Hrs Bid queries received later than the date and time as mentioned above will not be entertained. Pre-bid queries should be emailed to destenders@edcil.co.in as per format specified.
Venue of Pre-Bid Conference	Through Online Mode Only Please visit EdCIL website for the information regarding meeting link
Last Date and Time for receipts of Bids	25.06.2025 till 1600 Hrs In case a Holiday is declaredon the day of the event, the same will be held on the next working day at the same time & venue.
Date and Time of Opening of TechnicalBids	25.06.2025 at 1630 Hrs
Earnest Money Deposit	Rs. 11,30,000/- (Rupees Eleven Lakh Thirty Thousand Only) in form of Bank Guarantee from a Nationalised Bank in India/ Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted along with documents as per the Instructions to bidders. In case EMD is submitted in the form of BG, the BG should be valid beyond 180 days after the bid validity date and should be as per the Annexure XI.

No. of Covers	02 (Two Packets)
Bid Validity days	180 days (From last date of opening of tender)
Performance BankGuarantee (PBG)	3% of the contract value of the successful bidder. PBG is required to be submitted within 2 weeks from the date of issue of LOA.
Email Address	destenders@edcil.co.in,
Corporate Office	EdCIL House, 18-A, Sector 16A, Film City, Noida, Uttar Pradesh 201301
Registered Office	7th Floor, Amba Deep, 14, KG Marg, New Delhi-110001

1. Tender document shall be downloaded from electronic tender portal link available at EdCIL Tender web page. Aspiring bidders who have not got registered in e-procurement should get register/enroll before participating.

2. No manual bids shall be accepted. All bids (both Technical and Financial should be submitted in the E- procurement portal).

3. Bidders are advised to visit the EdCIL Web site to keep themselves updated for information on this tender. Corrigendum and addendum (if any) may be issued on the changes required. Reply on pre-bid queries received by EdCIL shall be displayed on EdCIL website/e-tendering website. The Pre-Bid queries, Corrigendum/addendum are part of the tender document and Bidders are supposed to upload the same accordingly, duly signed as per the guidelines in the tender document.

4. In case a holiday is declared on any day, the event will be shifted to the next working day, same time.

Chief General Manager (DES)
EdCIL (India) Limited,
18 A, Sector-16A, Noida-201 301
Tel: 0120-4156001, 4156002, 4154003

CHAPTER- I

Offline and Online Bid Submission

1.1 Offline Submissions:

The bidder is requested to submit the hardcopy of the below mentioned documents in a Sealed Envelope to EdCIL Corporate Office, Noida before the start of Tender Technical Bid Opening.

The envelope shall bear name (the project name), the tender number and the words 'DO NOT OPEN BEFORE' (due date & time).

a) Original copy of the EMD Security in the form of Demand Draft/BG.
b) Original Power of Attorney / Board Resolution Copy on a non-judicial stamp paper.
c) Original copy of the Non-Blacklisting Certificate.

Note: The Bidder should also upload the scanned copies of all the above-mentioned original documents as Bid-Annexure during Online Bid-Submission.

1.2 Online Submissions:

The Online bids (complete in all respect) must be uploaded online in **two** Envelope as explained below: -

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Type**
1.	Technical Bid	Annexure-I – Letter of Undertaking	PDF
2.		Annexure II- Declaration Sheet	PDF
3.		Annexure III- Tender Compliance Sheet	PDF
4.		Annexure-IV- Self Declaration – Non-Blacklisting	PDF
5.		Annexure V- Annual Turnover Form	PDF
6.		Annexure VI- Technical Compliance Sheet	PDF
7.		Annexure VII- List of Orders Executed	PDF
8.		Annexure VIII- Manufacturer Authorization Form	PDF
9.		Annexure IX- Power of Attorney	PDF
10.		Annexure X-Letter of Bid Submission	PDF
11.		Annexure XI- Bank Guarantee towards Bid Security (EMD)	PDF

12.		Annexure XII- Performance Bank Guarantee (PBG) format	PDF
13.		Annexure XIII- Proforma Pre-Contract Integrity Pact	PDF
		Annexure XIV- Contract Form	PDF
		Annexure XV- List of Authorized banks for BG	PDF
14.		Annexure XVI- Performa for Declaration on Proceeding Under Insolvency and Bankruptcy Code	PDF
15.		Annexure XVII- Pre-Bid Query Format	PDF
16.		Annexure XVIII- Solution Wise Specification	PDF
Envelope-2			
Sl. No.	**Documents**	**Content**	
1.	Financial Bid	Financial Bid Submission Letter	PDF
2.		Price bid as per Financial Bid	.XLS

CHAPTER-II
Definitions

Term	Definition
Supplier	Successful/Selected bidder
Authorized Signatory	The bidder's representative (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/ authority having the Power of Attorney from the Competent authority of the respective Bidding firm.
Bid	"Bid" means the response to this document presented in Single Packet, Technical Cum Commercial Bid and Financial Bid, which are supplied with necessary documents and forms as given in Annexure, complete in all respect adhering to the instructions and spirit of this document.
Tenderer/Bidder	"Tenderer" or "Bidder" means any individual/proprietor/ partnership firm/ agency/ company/ responding to Request for Proposal and who makes a Bid.
Contract	"The Contract" means the agreement entered into between EdCIL and the selected bidder(s) in terms of clauses mentioned
Day	"Day" means a calendar day as per rules of EdCIL.
EMD	Earnest Money Deposit
D.D	Demand Draft
EdCIL	EdCIL (India) Limited, Noida (A Govt. of India Undertaking)
TC	Tender Committee
PBG	Performance Bank Guarantee
Security Deposit (SD)	Amount of the Order Value deposited by the Bidder and retained till the successful completion of the project (as long as the bidder fulfils the contractual agreement).
Services	"Services" means the services to be delivered by the successful bidder and as required to run the project successfully as per the Contract.
RFP	"**RFP**" means the Request for Proposal
Order	"Order" shall mean the Letter of Award/Work order and its attachments and exhibits.
Consignee	"Consignee" shall mean EdCIL (India) Limited.
Similar Project/Similar Work	Providing services related to Design, Delivery, Installation & Commissioning of Multiple educational solutions across Government Schools of Tripura.

CHAPTER-III
Instructions for E-Tendering

3.1 Instructions for Online Bid Submission:

1) E-tendering is new technology for conducting public procurement in a transparent and secured manner. As per Government of India's directives, EdCIL (India) Limited has adopted E-tendering.

2) For conducting electronic tendering, EdCIL (India) Limited has decided to use Electronic tender portal link available with detailed information on e-tendering process. This portal built using Electronic tender's software is referred to as www.tenderwizard.com/EDCIL.

3) The bidders are required to submit soft copies of their bids electronically on www.tenderwizard.com/EDCIL e-tendering website, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the Tender Wizard E-Tendering Portal, prepare their bids in accordance with the requirements and submitting their bids online on the Tender Wizard E-Tendering Portal.

4) The scope of work to be tendered is available in the complete bid documents which can be viewed /downloaded from Tender Wizard E-Tendering Portal of www.tenderwizard.com/EDCIL. Both Technical Bid and Financial Bid will be submitted concurrently duly digitally signed in the website www.tenderwizard.com/EDCIL. No claim shall be entertained on account of disruptions of internet service being used by bidders. Bidders are advised to upload their bids well in advance to avoid last minute technical snags.

5) All Corrigendum/Amendment/Corrections, if any, will be published on the website www.tenderwizard.com/EDCIL as well as on EdCIL's website.

6) It is mandatory for all the applicants to have class-III Digital Signature Certificate (in the name of person who will sign the bid document) from any of the licensed certifying agency (Bidders can see the list of licensed Certifying Agencies from the link www.cca.gov.in) to participate in e-Procurement of EDCIL.

7) It is mandatory for the bidders to get their Supplier registered with e-procurement portal of EDCIL, i.e. www.tenderwizard.com/EDCIL to have user ID & password by submitting a non-refundable annual registration charges as follows:

1	Registration charges for 1 year	Rs. 2000/-

(exclusive of taxes, levies, etc.) which can be paid online using the e-payment gateway to KEONICS through the portal address mentioned above. The registration so obtained by the prospective bidder shall be valid for one year from the date of its issue and shall be subsequently renewed.

(i) Participant shall safely keep their User ID and password, which will be issued by the service provider i.e. KEONICS Ltd. upon registration, and which is necessary for e-tendering.

(ii) Bidders are advised to change the password immediately on receipt of activation mail.

(iii) Bidders shall not disclose their User ID as well as password and other material information relating to the e-tendering to any one and safeguard its secrecy.

8) Submit your tender well in advance by relevant documents along with copy of EMD of tender submission deadline on **Tender Wizard E-Tendering Portal** www.tenderwizard.com/EDCIL, as

there could be last minute problems due to internet timeout, breakdown, etc.

9) Tenders should be submitted only through Tender Wizard E-Tendering Portal and obtain the Tender Acknowledgement copy as a proof of successful submission.
10) Vendors are requested to contact at Tender wizard Helpdesk for any information regarding E-tendering / training.

EdCIL / Tender Wizard E-Tendering Portal Helpdesk
Customer Support: 080-49352000 (Multiple Telephone lines) Emergency Mobile Numbers: 9686115318/ 8800496478/ 8800445981 (Please contact in case of emergency during non-working hours.)
To Tender Wizard harishkumar.kb@etenderwizard.com ambasa@etenderwizard.com arijeet@etenderwizard.com twhelpdesk963@gmail.com sandeep.g@etenderwizard.com & cc to: destenders@edcil.co.in

3.2 PREPARATION OF BIDS

1) Bidder should take into account any corrigendum/addendum published on the portal before submitting their bids.

2) **Please go through the tender document carefully to understand the documents required to be submitted as part of the bid.** Please note the number of covers in which the bid documents have to be submitted, the number of documents (including the names and content of each of the document) that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, these can be in PDF format. Bid documents may be scanned with 100dpi with black and white option.

3.3 SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission and complete all formalities of registration (at least two days in advance of the closing date) so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be sole responsible for any delay in uploading of bid within the stipulated time.
2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3) Bidder has to pay EMD as applicable through demand draft/BG/direct bank transfer as per tender condition in favor of "**EdCIL (India) Ltd"** payable at Noida and enter details of the instruments. Original copies of demand draft/BG for EMD are required to be submitted.

4) A standard Financial Bid form has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the financial bid format is found to be modified by the bidder, the bid will be rejected.

5) The server time will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

6) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

3.4 ASSISTANCE TO BIDDERS

Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority. For any other tender related queries bidders are requested to contact on below given numbers/email.

EdCIL / Tender Wizard E-Tendering Portal Helpdesk
Customer Support: 080-49352000 (Multiple Telephone lines) Emergency Mobile Numbers: 9686115318/ 8800496478/ 8800445981 (Please contact in case of emergency during non-working hours.)
To Tender Wizard harishkumar.kb@etenderwizard.com ambasa@etenderwizard.com arijeet@etenderwizard.com twhelpdesk963@gmail.com sandeep.g@etenderwizard.com & cc to: destenders@edcil.co.in

3.5 Offline Submissions: (AS PER TENDER REQUIREMENT)

The bidder is requested to submit documents as mentioned in the **Clause 1.1**

3.6 MINIMUM REQUIREMENTS AT BIDDER'S END

- Computer System having configuration with minimum Windows 7 or above, and Broadband connectivity
- Digital Certificate(s)

CHAPTER-IV

Instruction to bidders

4.1 Due date:

The tender has to be submitted before the due date and time. The offers received after the due date and time will not be considered.

4.2 Preparation of Bids

The offer/ bid shall be submitted in two bid systems (i.e.) Technical Bid and Financial Bid. The technical bid shall consist of all technical details along with commercial terms and conditions. Financial bid shall indicate component wise price for all the mentioned component in the technical/financial bid in the given format.

4.3 General

i. All information supplied by bidders shall be treated as contractually binding on the bidders on successful award of the assignment by EdCIL on the basis of this tender.

ii. No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by or on behalf of the EdCIL. EdCIL may cancel this RFP at any time prior to a formal written contract being executed by or on behalf of EdCIL.

iii. This RFP does not constitute an offer by EdCIL. The bidder's participation in this process may result in EdCIL selecting the bidder to engage towards execution of the contract.

iv. The offer/bid should be inclusive of GST as per prevailing rates. However, the percentage of GST should be clearly indicated.

v. The prices must be quoted in the Performa given in Commercial Bid, failing which the Bid would be treated as unresponsive. Any discount or any other offers affecting the package price must be mentioned in Financial Bid only. Discount or any other offers affecting the Package price mentioned at any other place of the bid other that Financial Bid will not be considered.

vi. Price quoted by the bidder is including all transportation and installation etc. cost (if any).

4.4 Code of integrity

No official of the procuring entity or a Bidder shall act in contravention of the codes which includes:

i. Prohibition of

a) Making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.

b) Any omission, or misrepresentation that may mislead or attempt to mislead so that financial or other benefits may be obtained, or an obligation avoided.

c) Any collusion bid rigging or anti-competitive behavior that may impair the transparency, fairness and the progress of the procurement process.

d) Improper use of information provided by the procuring entity to the Bidder with an intent to gain unfair advantage in the procurement process or for personal gain.

e) Any financial or business transactions between the Bidder and any official of the procuring entity related to tender or execution process of contract; which can affect the decision of the procuring entity directly or indirectly.
f) Any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.
g) Obstruction of any investigation or auditing of a procurement process.
h) Making false declaration or providing false information for participation in a tender process or to secure a contract;

ii. Disclosure of conflict of interest.

iii. Disclosure by the Bidder of any previous transgressions made in respect of the provisions of sub-clause (a) with any entity in any country during the last three years or of being debarred by any other procuring entity.

In case of any reported violations, the procuring entity, after giving a reasonable opportunity of being heard, concludes that a Bidder or prospective Bidder, as the case maybe, has contravened the code of integrity, may take appropriate measures.

4.5 Preparation to Bids:

i. The Bidder is expected & deemed to have carefully examined all the instructions, guidelines, forms, requirements, appendices and other information along with all terms and condition and other formats of the bid. Failure to furnish all the necessary information as required by the bid or submission of a proposal not substantially responsive to all the requirements of the bid shall be at Bidder's own risk and may be liable for rejection.

ii. The Bid and all associated correspondence shall be written in English and shall conform to prescribed formats. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Bidders. Any interlineations, erasures or over writings shall be valid only if they are authenticated by the authorized person signing the Bid.

iii. The bid shall be uploaded on the website as per the instruction given in the RFP by the Bidder or duly authorized person(s) to bind the Bidder to the contract.

iv. No bidder shall be allowed to modify, substitute, or withdraw the Bid after its submission.

v. The bidder shall be responsible for all costs incurred in connection with participation in the Bid process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of bid, in providing any additional information required by EdCIL to facilitate the evaluation process and all such activities related to the bid process. EdCIL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

vi. Every page of the documents submitted by the bidder must be duly signed by the authorized signatory of the bidder along with the Organization seal.

vii. The bids submitted by fax/e-mail etc. shall not be accepted. No correspondence will be entertained on this matter.

viii. Failure to comply with the below requirements shall lead to the Bid rejection: -
   a. Comply with all requirements as set out within this RFP.
   b. Submission of the forms and other particulars as specified in this tender and respond to each element in the order as set out in this tender.
   c. Non-submission of all supporting documentations specified in this RFP, corrigendum or any addendum issued.

4.6 Language of Proposal:

The proposal prepared by the firm and all correspondence and documents relating to the RFP exchanged by the bidder and the Client, shall be written in the English language, provided that any printed literature furnished by the firm may be written in another language so long as accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

4.7 Bidder's Authorized Signatory:

A Proposal should be accompanied by an appropriate board resolution or power of attorney in the name of an authorized signatory of the Bidder stating that he is authorized to execute documents and to undertake any activity associated with the Bidder's Proposal. Furthermore, the bid must also be submitted online after being digitally signed by an authorized representative of the bidding entity.

4.8 Cost of Bidding:

The bidder shall bear all costs associated with the preparation and submission of its bid, including cost of presentation for the purposes of clarification of the bid, if so desired by the client and client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. The bidder is expected to carefully examine all instructions, forms, terms and specifications in the bid document. Failure to furnish all information required in the bid document or submission of a bid not substantially responsive to the bid document in every respect will be at the bidder's risk and may result in the rejection of the bid.

4.9 EMD:

The bidder should enclose EMD of Rs. 11,30,000/- (Rupees Sixty Thousand only) in the form of Demand Draft drawn in favor of EdCIL (India) Limited and payable at NOIDA. In case EMD is submitted in the form of BG, the BG should be valid beyond 180 days after the bid validity date and should be as per the Annexure XI. Bidders registered with MSME and having valid registration certificate issued by NSIC/MSME are exempted for submission of EMD.

However, MSMEs are advised to submit their financial solvency certificate issued not earlier than 3 months from the last date of bid submission as per Annexure XVI. The Bid sent without EMD will be considered as UNRESPONSIVE and will not be considered.

i. The EMD will be returned without any interest to the unsuccessful bidders immediately after the signing of the agreement with the successful bidder.

ii. The EMD submitted shall be interest free and will be refundable to the bidders without any accrued interest on it.

iii. The Earnest Money will be forfeited on account of one or more of the following reasons:

a) Earnest money will be forfeited if the bidder unilaterally withdraws the offer, or unilaterally amends, impairs or rescinds the offer within the period of its validity.

b) Bidder does not respond to requests for clarification of its bid.

c) Bidder fails to provide required information during the evaluation process or is found to be non-responsive.

d) In case of a successful bidder, the said bidder fails to sign the Agreement in time; or furnish Performance Bank Guarantee in time.

e) The Bank details for EMD preparation are

Name: EdCIL (India) Ltd
Bank Account No: 36830596465
IFSC Code: SBIN0000691
Bank Name: State Bank of India
Branch Name & Address: (00691) New Delhi Main Branch-11, Parliament Street, New Delhi-110001

4.10 Acceptance/ Rejection of bids:

I. EdCIL reserves the right to reject any or all offers without assigning any reason.

II. EdCIL based on the requirement without assigning any reason to the Bidder may split work/Scope/Bid offer in stages or in parts according to the need of work for ease of execution of work.

4.11 Performance Security

I. Performance security in the form of following to be submitted by the successful bidder:
   i. FDR/DD from a Nationalized Bank in India.
   ii. Performance Security should be form of Performance bank guarantee (PBG) from a Nationalized Bank in India as per Annexure XII.

II. Performance Security:
   i. The successful bidder would be required to submit FDR / DD / PBG of an amount of 3% of the value within 2 weeks of placing of LOA failing which appropriate action may be taken by EdCIL.
   ii. This FDR / DD/ PBG shall remain valid for a period of 36 weeks from the date of issue of LOA to the successful bidder.
   iii. In case the successful bidder fails to submit this PBG within the time stipulated, EdCIL at its discretion may cancel the work order for the successful bidder without giving any notice and terminate the contract.

III. The successful bidder will not be entitled for any interest on the PBGs submitted.

IV. EdCIL shall forfeit their respective PBG in full or part in the following cases:

- When the terms and conditions of contract are breached/ infringed.
- When contract is being terminated due to non-performance of the Supplier.
- EdCIL incurs any loss due to "Supplier's" negligence in carrying out the project implementation as per the agreed terms & conditions.

V. PBG shall be returned to the successful bidder only after 90 days of the successful completion of the Contract. In case of any shortfall of any activity/ specification/ other terms and conditions of the contract, EdCIL reserves the right to recover damages or loss from the due the payment or by the encashment of PBG.
In case the work order is extended beyond the initial period the successful bidder is required to deposit Performance Bank Guarantee equivalent to 3% of contract value to EdCIL within 2 weeks from the date of receipt of extension order.

4.12 Amendment in Tender Document

i. At any time up to the last date for receipt of RFP, EdCIL may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bid Document by an amendment. EdCIL shall not be responsible for any oversight or negligence on part of the bidders on the amendments to the terms and conditions of the tender document and notified through the website.

ii. The corrigendum (if any) & any other related communication regarding this tender shall be posted only on the website and no separate communication either in writing or through email will be made to any interested/ participating bidders.

iii. Any such corrigendum(s) or addendum(s) or clarification(s) shall be deemed to be incorporated into the tender document.

4.13 Clarifications on submitted bids

During the process of evaluation of the Bids, EdCIL may, at its discretion, ask Bidders for clarifications on their bids. The Bidders are required to respond within the prescribed time frame given for submission of such clarification.

4.14 Validity of Bids

i. Bids shall remain valid till 180 days from the date of submission of bids. EdCIL reserves the right to reject a proposal valid for a shorter period as nonresponsive.

ii. In exceptional circumstances, EdCIL may solicit the bidder's consent to extend the period of validity. The request and the response thereto shall be made in writing. Extension of validity period by the bidder should be unconditional. A bidder may refuse the request without forfeiting the Earnest Money Deposit. A bidder granting the request will not be permitted to modify its Bid.

iii. EdCIL reserves the right to annul the tender process, or to accept or reject any or all the bids in whole or part at any time without assigning any reasons and without incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

4.15 Pre-Bid Conference

The bidder is requested to submit any queries in writing as per the pre-bid query format by e-mail so as to reach EdCIL. If required, EdCIL reserves the right to conduct the pre-bid meeting using virtual mode only.

i. Queries relevant to the bid documents shall be addressed to the CGM (DES), EdCIL at destenders@edcil.co.in
ii. The queries should necessarily be submitted in the format as specified in the Annexure XVII.
iii. Any requests for clarifications post the indicated date and time may not be entertained by the Purchaser.
iv. The officer notified by the Purchaser will endeavour to provide timely response to all queries. However, Purchaser makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does Purchaser undertake to answer all the queries that have been posed by the Bidders.
v. At any time prior to the last date for receipt of bids, Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the RFP Document by a corrigendum.
vi. The corrigendum (if any) & clarifications to the queries from all Bidders will be posted on the website www.edcilindia.co.in and on the e-tendering portal http://www.tenderwizard.com/EDCIL and may be emailed to all participants who have raised the queries.
vii. Any such corrigendum shall be deemed to be incorporated into this RFP.
viii. In order to provide prospective bidders reasonable time for taking the corrigendum(s) or addendum(s) into account, EdCIL, at its discretion, may extend the last date for the receipt of Bids.

4.16 Acceptance/ Rejection of bids

i. EdCIL reserves the right to reject any or all offers without assigning any reason.
ii. EdCIL based on the requirement without assigning any reason to the Bidder may split work/Scope/Bid offer in stages or in parts according to the need of work for ease of execution of work.
iii. EdCIL reserves right to take decision according to requirement and no claim on whatsoever ground shall be entertained from the bidder.

CHAPTER-V
Scope of Work

Pradhan Mantri Schools for Rising India (PM SHRI) Scheme was launched by Government of India to improve the quality of education and infrastructure in schools. The PM SHRI schools are exemplar schools that showcase the implementation of the National Education Policy 2020.

The Samagra Shiksha scheme is an integrated scheme for school education covering the entire gamut from pre-school to class XII. The scheme not only provides support for the implementation of the Right of Children to Free and Compulsory Education Act, 2009 but has also been aligned with the recommendations of National Education Policy (NEP) 2020. The scheme aims to ensure that all children have access to quality education with an equitable and inclusive classroom environment which should take care of their diverse background, multilingual needs, different academic abilities and make them active participants in the learning process.

EdCIL (India) Limited intends to provide ICT Equipment, Science Lab and other solutions across Government Schools of Tripura under the PM SHRI and Samagra Schemes. The solution wise detailed components and their technical specification is provided in Annexure XVIII. The aims and objectives of each of the solutions is specified below.

5.1 Solution wise details

Solution 1: Supply of Pre-Primary & Child-Friendly Furniture

The Pre-Primary & Child-Friendly Furniture solution involves the supply of specially designed, low-height Desks and Benches tailored to the needs of young children. Flexible setups have to be provided to accommodate various classroom activities and allow easy rearrangement of the furniture. Additionally, all materials used for the furniture shall be non-toxic, durable, and easy to maintain, ensuring safety and longevity in the learning space. This approach will help create an inviting, functional, and child-friendly environment that fosters learning and creativity.

The solution aims to create engaging and developmentally appropriate classroom environments by supplying ergonomically designed, low-height furniture that supports the physical and cognitive needs of young children in early years education. The objectives of the solution are as below:

- To promote foundational learning through flexible, child-centric seating arrangements that encourage interactive play, exploration, and participation in hands-on learning experiences.
- To ensure the use of non-toxic, durable, and easy-to-maintain materials in classroom furniture, enhancing safety, hygiene, and long-term usability in line with ECCE principles.
- To support educators in designing dynamic, inclusive classroom spaces that foster creativity, collaboration, and critical thinking among early learners.

Solution 2: Supply of Outdoor Play Materials

The Outdoor Play Materials solution involves the supply of essential playground equipment such as swings, slides, and other interactive play structures. These have to be designed in a way, utilizing weather-resistant and child-safe materials to ensure durability and safety. This will create a stimulating and secure environment for children to develop physical and social skills through active play.

The solution aims to provide age-appropriate, durable, and child-safe outdoor play equipment such as Mat, Balls, and Tunnel structures that support physical development and active engagement. The objectives of the solution are as below:

- To foster gross motor skills, balance, coordination, and spatial awareness through structured and unstructured outdoor play activities in a safe and stimulating environment.
- To promote social-emotional growth by encouraging cooperative play, communication, and teamwork among children during outdoor interactions.
- To support teachers in integrating outdoor play into daily routines as a tool for experiential learning, aligning with holistic child development goals under the PM SHRI framework.

Solution 3: Supply of Furniture

The Furniture solution includes supply of Desks and Benches for classrooms. These pieces have to be designed for comfort and functionality, ensuring that students have a conducive learning space while also promoting an organized and efficient environment. The furniture should be durable, easy to maintain, and suited to the needs of both students and teachers.

The solution aims to equip classrooms with ergonomically designed desks and benches that provide comfort and support focused learning for students across age groups. The objectives of the solution are as below:

- To promote an organized and efficient classroom environment by supplying durable, functional, and easy-to-maintain furniture tailored to modern educational needs.
- To support teaching-learning processes by creating well-structured, inclusive, and student-friendly learning spaces aligned with contemporary pedagogical approaches.
- To contribute to the modernization of school infrastructure under the PM SHRI initiative, enhancing overall student engagement and classroom experience.

Solution 4: Supply of Integrated Science Lab Furniture & Equipment

The Integrated Science Lab Furniture & Equipment supply will include workstations, lab benches, and chemical storage units essential for conducting experiments. The equipment will also include scientific tools such as microscopes, measuring instruments, and glassware, enabling students to engage in hands-on learning and experiments in physics, chemistry, and biology.

The solution aims to establish modern science laboratories equipped with durable lab furniture and essential safety features, including lab benches, storage units, and chemical-resistant workstations. The objectives of the solution are as below:

- To promote an organized and efficient classroom environment by supplying durable, functional, and easy-to-maintain furniture tailored to modern educational needs.
- To support teaching-learning processes by creating well-structured, inclusive, and student-friendly learning spaces aligned with contemporary pedagogical approaches.
- To contribute to the modernization of school infrastructure under the PM SHRI initiative, enhancing overall student engagement and classroom experience.

Solution 5: Supply of Equipment for Physics, Chemistry, and Biology Labs

The Equipment for Physics, Chemistry, and Biology Labs will be supplied with laboratory accessories, chemical reagents, and physics experiment kits. Additionally, biology models and microscopes will be provided for practical experiments. These supplies will foster experiential learning and enhance students' understanding of scientific concepts through hands-on activities.

The solution aims to equip dedicated science labs with essential apparatus including telescope, spectroscope, models, and subject-specific experiment kits for Physics, Chemistry, and Biology. The objectives of the solution are as below:

- To promote hands-on, experiential learning that deepens conceptual understanding and stimulates scientific curiosity through structured lab-based activities.

- To foster analytical thinking, problem-solving, and scientific inquiry among students by providing opportunities for real-time experimentation and observation.
- To strengthen STEM learning environments by integrating practical exposure with theoretical instruction, building a strong foundation in core science disciplines.

Solution 6: Supply of Fire Safety & Security Equipment

The Safety & Security Equipment will include fire extinguishers, smoke detectors, fire alarms, and emergency signage to ensure the safety of students and staff. First aid kits and emergency response tools will also be supplied, providing essential support in case of accidents or medical emergencies. These supplies are integral to maintaining a safe school environment.

The solution aims to equip schools with critical safety infrastructure including fire extinguishers, smoke detectors, fire alarms, and emergency signage to ensure preparedness against fire hazards and emergencies. The objectives of the solution are as below:

- To provide first aid kits and emergency response tools that enable immediate action during accidents, medical incidents, or natural disasters, safeguarding students and staff.
- To build a secure and disaster-resilient school environment by integrating safety protocols and essential emergency equipment across campuses.
- To align with PM SHRI's mandate of prioritizing student and staff well-being through proactive safety measures and a culture of risk awareness and responsiveness.

Solution 7: Implementation of Capacity Building of STEM Teachers

The solution aims to enhance the pedagogical and technical competencies of STEM teachers through a 4-day intensive training program focused on modern, inquiry-based teaching methodologies. The objectives of the solution are as below:

- To build teacher capacity in integrating STEM tools such as coding, robotics, and lab-based experimentation into daily classroom instruction, fostering hands-on and experiential learning.
- To equip educators with digital teaching aids, resource manuals, and LMS-based continuous professional development support for long-term instructional improvement.
- To align with PM SHRI's goal of advancing STEM education by empowering teachers to nurture innovation, critical thinking, and problem-solving skills among students.

Solution 8: Implementation of Capacity Building of Head Teachers

The solution aims to strengthen school leadership through a 4-day structured training program for Head Teachers, focusing on strategic planning, curriculum implementation, and teacher mentoring. The objectives of the solution are as below:

- To enhance administrative effectiveness by equipping school heads with digital tools for academic monitoring, data-driven decision-making, and operational efficiency.
- To promote inclusive education by building awareness and competencies in supporting diverse learners, including children with special needs.
- To align with PM SHRI's vision of transformative school leadership by fostering innovation, community engagement, and improved learning outcomes through empowered head teachers.

Solution 9: Implementation of Mental Health Literacy and Counselling in School

The solution aims to foster emotionally safe and supportive school environments by implementing mental health literacy and counselling programs across selected schools, addressing stress, anxiety, and emotional regulation. The objectives of the solution are as below:

- To conduct a 2-day centralized training (6 hrs/day) for nominated male and female teachers from each school, equipping them with skills to identify and respond to students' emotional needs.
- To deploy a team of trained counsellors—each responsible for 4–5 schools—to lead individual counselling sessions, peer support programs, and group discussions, with continued follow-up for three months.
- To integrate digital mental health tools and create dedicated counselling spaces within schools, promoting holistic well-being and aligning with PM SHRI's vision of nurturing resilient, confident learners.

Solution 10: Supply of ECCE & Pre-Primary Kits

The ECCE & Pre-Primary Kits will include storybooks, flashcards, puzzles, manipulatives, puppets, and activity charts to promote early childhood development. Additionally, sensory play materials aligned with NCERT's ECCE framework will be supplied, creating an interactive and stimulating learning environment for young children.

The solution aims to provide ECCE and Pre-Primary Kits equipped with age-appropriate materials such as storybooks, flashcards, puzzles, manipulatives, and puppets that promote foundational literacy, numeracy, and social-emotional development. The objectives of the solution are as below:

- To create engaging and experiential learning environments using sensory play tools and activity charts aligned with NCERT's ECCE framework and NIPUN Bharat Mission goals.
- To ensure cultural relevance and inclusivity by customizing kits to reflect local languages, traditions, and social contexts, enhancing relatability for young learners.
- To support holistic early childhood development through interactive, play-based pedagogies that lay the groundwork for lifelong learning and school readiness, in line with PM SHRI's vision.

Solution 11: Supply of Colourful Painted Dustbins

The Colourful Painted Dustbins supply will involve the provision of 325 color-coded dustbins designed for waste segregation. These bins will help students develop proper waste management habits and promote a clean, eco-friendly environment within the school.

The solution aims to supply visually engaging, color-coded dustbins across selected PM SHRI schools to support systematic segregation of dry and wet waste. The objectives of the solution are as below:

- To instill habits of cleanliness, hygiene, and environmental responsibility among students through consistent and visible waste management practices.
- To reinforce environmental education by integrating waste disposal awareness into daily school routines, fostering behavioral change from an early age.
- To align with PM SHRI's focus on sustainable and eco-friendly school infrastructure, contributing to healthier, cleaner, and more responsible school environments.

Solution 12: Supply of Desktop Computers

The Desktop Computers supply will include the provision of desktop computers, complete with necessary software for all schools. These devices will support digital learning, research, and communication, enhancing the educational experience for students and teachers.

The solution aims to provide two desktop computers per school across selected PM SHRI schools, equipped with essential software and internet connectivity to facilitate digital learning and ICT integration. The objectives of the solution are as below:

- To promote computer literacy, coding skills, and 21st-century competencies among students, preparing them for a technology-driven future.

- To align with PM SHRI's vision of creating modern, tech-enabled classrooms that bridge the digital divide and foster inclusive, future-ready education.

Solution 13: Implementation of Career Guidance and Career Counselling of Students

The solution aims to implement structured career counselling across selected PM SHRI schools through one-day centralized teacher workshops and 3-day hybrid counselling sessions for students, focusing on academic and career planning. The objectives of the solution are as below:

- To equip teachers with the skills to guide students in identifying strengths, exploring career options, and integrating career counselling into classroom instruction.
- To provide students with access to psychometric assessments, personalized guidance, and digital career resources, including aptitude tools and mentorship platforms.
- To align with PM SHRI's vision by empowering students with the knowledge, confidence, and clarity to make informed academic and professional choices in a dynamic job market.

Solution 14: Implementation of Curiosity Programme

The Curiosity Programme Learning Aids will include the supply of inquiry-based project kits and interactive learning modules. These kits will encourage students to explore subjects through hands-on activities, fostering critical thinking and curiosity. The interactive modules will enhance learning by allowing students to engage actively with the concepts and develop a deeper understanding.

The solution aims to implement the Curiosity Programme in selected PM SHRI schools through inquiry-based project kits and interactive learning modules that spark scientific thinking, exploration, and creativity. The objectives of the solution are as below:

- To foster hands-on, experiential learning by engaging students in STEM challenges, experiments, and problem-solving activities that nurture curiosity and critical thinking.
- To train teachers in delivering curiosity-driven sessions using specially designed kits, digital tools, and project-based learning methodologies.
- To align with PM SHRI's vision by creating stimulating learning environments that inspire innovation, build lifelong learning habits, and develop foundational STEM competencies among students.

Solution 15: Implementation of PM SHRI BaLA

The PM SHRI BaLA Infrastructure Enhancements supply will involve the painting of walls, floors, and staircases with educational themes. This will turn these spaces into vibrant, engaging environments that stimulate learning. The artwork will include educational visuals such as math formulas, historical events, and motivational messages, creating a dynamic atmosphere that fosters learning.

The solution aims to implement BaLA (Building as a Learning Aid) across selected PM SHRI schools by transforming physical infrastructure—walls, floors, staircases, and open spaces—into vibrant, educational tools. The objectives of the solution are as below:

- To create immersive and interactive learning environments using visually engaging themes such as alphabets, numbers, scientific concepts, maps, and life skills.
- To reinforce classroom instruction by enabling students to learn through everyday interactions with their surroundings, fostering visual memory and conceptual clarity.
- To align with PM SHRI and Samagra Shiksha's vision of holistic education by making school spaces inclusive, accessible, and conducive to joyful, experiential learning.

Solution 16: Implementation of PM SHRI Selfie 3D Model

The PM SHRI Selfie 3D Model supply will include the supply of durable, weather-resistant 3D Selfie Models. These models will serve as creative and interactive models that inspire students, while also serving as visual landmarks within the school. These 3D models will withstand outdoor conditions and add an innovative, fun element to the school's infrastructure.

The solution aims to supply weather-resistant 3D Selfie Models in selected PM SHRI schools as vibrant identity markers that enhance school branding and visibility. The objectives of the solution are as below:

- To foster a sense of pride, belonging, and engagement among students, teachers, and the community through creative installations that reflect the spirit of PM SHRI schools.
- To incorporate inspirational messages and PM SHRI branding in the design, turning the model into an interactive and aspirational space for student expression and celebration.
- To align with PM SHRI's vision of creating modern, student-friendly school environments that blend creativity, recognition, and innovation within school infrastructure.

Solution 17: Implementation of Sanitary Pad Distribution Program

The Sanitary Pad Distribution Program supply will include sanitary pads for female students, along with hygiene kits. This initiative aims to promote menstrual health and hygiene among female students, ensuring they have access to necessary supplies for maintaining personal hygiene, especially during their menstrual cycle. The program also seeks to raise awareness about menstrual health in the school community.

The solution aims to distribute sanitary pads and hygiene kits to 13,917 female students across selected PM SHRI schools, promoting menstrual hygiene and ensuring continued school attendance. The objectives of the solution are as below:

- To reduce stigma and absenteeism by normalizing menstrual health discussions and providing access to safe, hygienic products within school settings.
- To empower adolescent girls by supporting their health, dignity, and well-being, enabling them to participate fully in academic and extracurricular activities.
- To align with PM SHRI's commitment to inclusive and health-conscious school environments that prioritize the needs of all learners, especially adolescent girls.

Solution 18: Implementation of Mentoring by Eminent Experts – National & International (Online)

The solution aims to implement virtual mentoring sessions across selected PM SHRI schools, led by distinguished national and international experts in STEM, leadership, innovation, life skills, and career guidance. The objectives of the solution are as below:

- To conduct a 6-day interactive session series (3 hours/day), with recorded content and supplementary learning materials accessible for continuous learning and classroom integration.
- To broaden students' and teachers' global exposure, enhance critical thinking, and foster future-ready skills through insights from eminent professionals.
- To align with PM SHRI's vision by bridging the knowledge gap and providing equitable access to global learning experiences that inspire academic and professional excellence.

Solution 19: Supply of Furniture & Laptop with Printer

The **Furniture & Digital Equipment for BRCs & CRCs** supply will include the provision of furniture, laptops, and printers to support administrative functions in Block Resource Centres (BRCs) and Cluster Resource Centres (CRCs). This will enhance the operational capacity of these centres, allowing for better management of resources and more effective coordination of educational programs.

The solution aims to equip 392 Block and Cluster Resource Centres (BRCs & CRCs) with essential

furniture, laptops, and printers to improve administrative efficiency and digital functionality. The objectives of the solution are as below:

- To facilitate seamless documentation, data management, and reporting processes that support academic planning, monitoring, and capacity-building initiatives.
- To strengthen training and resource delivery infrastructure, enabling effective coordination and professional development programs for teachers under Samagra Shiksha.
- To align with the broader goals of educational reform by modernizing resource centers for enhanced governance, digital integration, and support for school-level implementation.

Solution 20: Design, Supply & Installation of Audio-Visual Studio

- Conduct site surveys of State Council of Education Research and Training (SCERT) Centre for setting up Audio-Visual (AV) Studio.
- Procurement, supply and installation of AV equipment, including, screens, speakers, and content management systems.
- Configuration and setup of the AV equipment at SCERT, ensuring proper functionality and integration with existing infrastructure.
- Safe delivery of all AV materials in SCERT with proper documentation and acknowledgment from competent authority.
- Testing of the AV equipment to ensu.re everything is working correctly, followed by a final acceptance test (FAT) by competent authority.
- Teacher/Resource training on using AV equipment and integrating digital content into classroom teaching, with training records maintained and submitted.
- Provision of digital content and multimedia resources to support classroom learning, ensuring compatibility with school curriculums.
- The implementing agency will oversee the operation and maintenance of AV equipment for the one year contract period.
- Documentation and reporting on the usage of AV systems will be regularly submitted to Samagra Shikhsha for review.
- A dedicated SPOC and onsite support personnel will be available to assist with any issues related to AV equipment or digital content during the support period.

The solution aims to enable high-quality audio and video solutions for classroom lectures, group discussions, and collaborative activities. The objectives of the solution are as below:

- To facilitate lecture capture and streaming services for remote learning and post-class review, enhancing accessibility for all students.
- To create an environment that fosters collaboration, enabling students to share ideas and work together effectively using AV tools.
- To establish a state-of-the-art digital classroom ecosystem equipped with advanced AV technology, providing teachers with tools to deliver engaging, multimedia-rich lessons.

5.2 The successful bidder shall be responsible for Procurement, Supply, Installation & handholding of all the solutions. All the software and hardware required to meet the required functionalities should be supplied by the successful bidder. The successful bidder should supply products and learning materials in order to comply with the requirement. The successful bidder shall supply the material as per work order in the concerned schools/districts/location as per list centralized/decentralized location provided.

5.3 The successful bidder shall appoint a dedicated Project Coordinator for this project to liaise with EdCIL and Client to ensure onward execution of the project successfully. Also for each component, a dedicated SPOC will be deployed for the smooth operation of the project.

5.4 The successful bidder shall submit an undertaking from the manufacturer/OEM towards successful performance of contract as per Annexure VIII. The successful bidder shall perform all services and carry out obligations with utmost diligence, efficiency, and economy, adhering to globally accepted professional techniques and practices. Advanced technology and safe methods must be employed, ensuring all processes align with sound management practices. Additionally, the Bidder must act as a faithful adviser to the client, protecting the client's legitimate interests in all dealings with sub-bidders or third parties.

5.5 At client's request, EdCIL reserves the right of varying the total hardware quantities upto +100%. In case, variance is carried out during the contract period, the quoted price along with related terms and conditions shall apply. The price quoted by the bidder in Form 2 of the financial bid may be used for placing order for additional quantities during exercise of variation.

5.6 <u>Pre-Delivery Inspection</u>

- The successful Bidder shall facilitate and make available random 10% sample available during Pre-dispatch inspection. The PDI will be a key requirement prior to shipment of the materials to Tripura. As part of Pre-dispatch Inspection (PDI), the successful Bidder will provide PDI plan and schedule to EdCIL. The PDI will be carried out by EdCIL and Successful Bidder as per the list of parameters provided in Annexure XVIII.

- In the event of the hardware and software failing to pass the PDI, as per the specifications, a period not exceeding 3 days will be provided to the successful bidder to rectify the concerned issues and clear the inspection, failing which, EdCIL reserves the right to cancel the LOI/LOA and levy appropriate penalties in addition to the Liquidated Damages. EdCIL will not be responsible for any costs associated with such rejection.

- If more than 5% of the sample size offered for the material are found defective during the PDI, the bidder shall replace the complete lot of materials belonging to an equipment type. Any cost impacts of rejection at any stage shall be borne by the Successful Bidder.

- The pre-delivery inspection of the goods should be carried out (at the location provided by the supplier) by the EdCIL officials to check whether the goods are in conformity with the technical specifications of the tender. A team including the representative of the end client would inspect the material if required.

- The inspection test will be conducted by the EdCIL officials, their consultant or other such person nominated by the EdCIL and by the end client (if required), in the presence of supplier's representatives. The inspection will involve trouble-free operation and ascertaining conformity with the ordered specifications and quality. There should not be any additional charges for carrying out inspection test. No malfunction, partial or complete failure of any part of the equipment is expected to occur.

- Successful conduct and inspection of the acceptance test for the installed goods and equipment should also be the responsibility and at the cost of the Supplier.

- The time taken for pre-dispatch inspection is inclusive of the scheduled completion time of the delivery & installation of the equipments. Only the line item certified by the EdCIL official should be dispatched to the end client.

- If any of the equipment supplied by the Tenderer is found to be substandard, refurbished,

unmerchantable or not in accordance with the description/specification or otherwise faulty, the EdCIL official or the official from end client (if required) will have the right to reject the equipment or its part. All damaged or unapproved goods should be returned at the supplier's cost and risk and the incidental expenses incurred thereon should be recovered from the supplier.

5.7 Delivery

- The successful bidder should supply products and learning materials in order to comply with the requirement. The successful bidder shall supply the material as per work order in the concerned schools/districts/location as per list centralized/decentralized location provided.

- After successful PDI and upon confirmation of delivery at a centralized location, the material shall be dispatched to every schools/districts/location by the successful as per the list provided.

- The successful bidder shall provide original delivery certificate, issued from concerned HM/AHM/IS level and for BRC & CRC from competent authority of BRC & CRC.

5.8 Training

- The Capacity Building of STEM Teachers training will focus on enhancing teachers' knowledge and skills in modern pedagogical techniques, coding, robotics, and STEM education. 4 Days - Training Schedule (6 hrs/day) for 150 teachers in a centralized location. The training will cover the integration of inquiry-based learning approaches and the use of digital teaching tools, enabling teachers to engage students in more interactive and effective learning experiences. Teachers will also be trained on how to utilize innovative STEM tools to foster critical thinking and problem-solving skills in students.

- After successful The Training for Head Teachers will include workshops designed to enhance the management and leadership capabilities of head teachers. 4 Days - Training Schedule (6 hrs/day) for 55 Head Teachers in a centralized location. Topics will cover school management, curriculum planning, and teacher mentoring techniques. Additionally, the training will focus on inclusive education practices, ensuring that all students, including those with special needs, have access to quality education. Head teachers will also be introduced to digital tools to track academic progress and facilitate more efficient school operations.

- The Mental Health Literacy & Counselling Training will focus on raising awareness among teachers, guardians, and students about emotional well-being. 2 Days - Training Schedule (6 hrs/day) will be organized for nominated teachers 1 male & 1 female from 27 schools in a centralized location. This training will help teachers recognize the importance of mental health in the learning environment and provide them with the tools to support students' emotional needs. Dedicated Counsellors will be deployed for A team of six counsellors will be assigned, with each one responsible for facilitating training in 4- 5 schools. Following the training, ongoing support will be provided for a period of three months to ensure sustained student progress and well-being. Counsellors will receive training to conduct school-based interventions and peer support programs. The use of digital tools will also be introduced to enhance the reach and impact of mental health initiatives in schools.

- One day physical workshop will be organized in a centralized location for teachers of 72 schools to equip with the skills needed to guide students on career pathways, helping them identify their strengths and areas for growth. The training will also focus on how to use digital career resources and online mentoring platforms to provide students with access to diverse career options and professional guidance. Teachers will be trained to integrate career counselling into the school

curriculum, ensuring that students are well-prepared for the future job market. 3 days counselling sessions will be organised for students in hybrid model for career guidance and counselling with facility of psychometric assessment.

- The Mentoring by Eminent Experts (Online) program will involve virtual mentoring sessions conducted by subject matter experts in various fields. 6 Days Session (3 hrs/day) for national and internation aspect for 82 schools will be recorded and accompanied by supplementary learning materials and expert insights. The program will align with the PM SHRI vision, bridging the knowledge gap and offering students global learning experiences. This initiative will empower students to access academic and professional growth opportunities through expert guidance and mentorship.

- The successful bidder shall provide Original completion certificate from competent authority of School upon completion of training and handholding.

5.9 SLA and Penalties

- Delivery of all solutions, training and handholding should be done within stipulated timelines. submitted in the implementation plan post approval. In case of any delay penalty@ ₹500 per day per will be imposed on the successful bidder subject to maximum of 10% of the contract value. After reaching the penalty to maximum, EdCIL will have the right to take appropriate disciplinary actions including termination of the contract.

  Note: Applicable GST shall be charged extra on penalty amount.

5.10 Technology Advancement

- If there is technology advancement and reasonable price reduction happens on any of the line items as per commercial bid then it should be passed on to EDCIL and end buyers.
- No conditional bid shall be accepted and the price format of financial bid should be strictly adhered to.

5.11 Indemnity

- The selected Bidder shall execute and furnish to EdCIL a Deed of Indemnity in favor of "EdCIL" in a form and manner acceptable to EdCIL, indemnifying EdCIL from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Agreement period out of:
- Any negligence or wrongful act or omission by the selected Bidder or the selected Bidder's Team in connection with or incidental to this Agreement; or
- A breach of any of the terms of selected Bidder Bid as agreed, the RFP and this Agreement by the Bidder or the selected Bidder's Team.
- The indemnity shall be to the extent of 100% in favor of EdCIL.

CHAPTER-VI

Eligibility and Bid Evaluation

6.1 Bid Opening

I. Please note that prices must not be indicated in the Technical bid and must only be mentioned in the financial bid. If Bidder mentions the offered price in its Pre-qualification & Technical bid, then the bids of such bidders will be summarily rejected.

II. EdCIL will constitute a committee to evaluate the Bids submitted by Bidders. A three-stage process, as explained hereinafter, will be adopted for evaluation of Bids. No correspondence will be entertained outside the process of evaluation with the Committee.

III. Only two persons from each participating bidder's shall be allowed to attend the Bid opening meetings. The representatives of the bidders are advised to carry the identity card or a letter of authority from the bidders to establish their identity to attend the bid opening.

IV. Committee will examine the Proposals to determine whether they are complete, whether the documents have been properly signed and the proposals are generally in order. Any proposals found to be non-responsive for any reason or not meeting any criteria specified in this RFP, will be rejected by the EDCIL and shall not be included for further consideration. Initial proposal scrutiny will be held and the proposals may be treated as non-responsive, if they are:
   a. Not submitted in the format as specified in this RFP document;
   b. Non-receipt of offline documents specified in the tender document.
   c. Found with suppression of details;
   d. Submitted with incomplete information;
   e. Submitted without the documents required under this RFP;
   f. Non-compliant to any of the clauses mentioned in this RFP;
   g. Lesser validity period than that prescribed in this RFP

V. Committee may, at its discretion, call for additional information from the bidder(s) through email/fax/telephone/meeting or any other mode of communication. Such information has to be supplied within the set-out time frame as provided by the Committee, otherwise Committee shall make its own reasonable assumptions at the total risk and cost of the bidder and the bid may lead to rejection. Seeking clarifications cannot be treated as acceptance of the bid. For verification of information submitted by the bidders, the committee may visit bidder's offices at its own cost. The bidders shall provide all the necessary documents, samples (if any) and reference information as desired by the committee.

6.2 Bid Evaluation Process

Evaluation criteria will be based on evaluation of the bidder meeting the Pre – qualification, evaluation through marking of technical bid and subsequently evaluation of financial bid. The evaluation shall consist of following phases:

a. Pre-Qualification Evaluation
b. Evaluation of Technical bid through marking

c. Evaluation of Financial bid

Pre-Qualification Evaluation

I. The evaluation of the bidders will be carried out as per the pre-qualification criteria defined in the tender document. Only the bidders who fulfil the given pre-qualification Criteria shall be eligible for next round of evaluation i.e. technical evaluation through marking. Non-conforming bids will be rejected and will not be eligible for any further processing. The pre-qualification criteria are defined in clause 6.3 of the chapter.

II. Notwithstanding anything stated above, the Consignee reserves the right to assess bidder's capability and capacity to perform the contract, should circumstances warrant such an assessment in the overall interest of the EdCIL or project.

III. Technical bids will also be reviewed for compliance with the necessary instructions, terms and conditions, scope of work, formats etc. as outlined in this tender.

IV. EdCIL reserves the right to physically verify the office or any document provided by the bidder in the way EdCIL desires.

Evaluation of Technical bid through marking

I. The evaluation of the bidders will be carried out by the Committee as per the Technical Evaluation criteria and marking defined in the RFP document. Only the bidders who qualify in the technical evaluation round shall be eligible for next round of evaluation i.e. Financial Bid Opening. Bids of the bidders, who do not qualify in the technical evaluations stage, will be rejected and will not be eligible for any further processing.

II. The bidder who meets all the eligibility criteria will be called for the presentation and shall be further evaluated on the basis of the marking scheme.

III. The bidder who scores minimum 60 marks in the technical evaluation shall be declared as technically qualified bidder and those shall be notified for opening of their financial bid.

Evaluation of Financial bid

I. On fulfilment of Pre- qualification criteria and technical compliance financial bids of technically qualified bidders will be evaluated. Bids of the bidders, who do not qualify in the technical evaluations stage, will be rejected and will not be eligible for any further processing.

II. It is mandatory for the bidder to fulfil all Pre-qualification criteria to be technically qualified and for being considered for opening of their Financial Bid and evaluation thereof.

III. The bidder with lowest financial quote (L1) in Form 1 of the financial bid shall be considered for award of contract.

IV. Financial bids would be opened only for those Bidders, who secure the qualifying marks in the Technical Evaluation as explained above.

V. Price quoted by the bidder shall be inclusive of all scope of work.

VI. Any conditional commercial bid will lead to disqualification of the entire bid and forfeiture of the EMD.

VII. It is mandatory for the bidder to fulfil all the Pre-qualification criteria and to be technically qualified to being considered for opening of their Financial Bid and evaluation thereof.

VIII. The financial bids shall be opened in presence of representatives of technically qualified bidders, who may be present. EdCIL shall inform the date, place and time for opening of financial bids.

IX. Financial bid will be inspected to ensure conformance to the format provided in the tender

document.

X. The bidder shall quote the prices as per the price format given in the Part B - Commercial Bid of this RFP.

6.3 Pre-Qualification Criteria

Bidder shall have to upload documentary evidence in support of the following mentioned Pre-Qualification Criteria. In the absence of such supporting documents as mentioned against each criterion, the bid will be rejected summarily.

S. No.	Pre- Qualification Criteria	Supporting Documents
1.	The bidder should be registered under Companies Act, 1956 and 2013 in India and should have been in operation in India for at least last 10 years as on the date of submission of the bid. **Consortium of companies/ firms is not allowed.** **For MSME/NSIC Registered bidder/Startups** The bidder should be registered under Companies Act, 1956 and 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. **Consortium of companies/ firms is not allowed.**	• Copy of Certificate of Incorporation • Copy of GST registration and PAN.
2.	Bidder must have minimum average annual turnover of Rs. 25 crores during the last three financial year i.e., 2021-22, 2022-23 and 2023-2024. AND Bidder must be profitable and has positive net-worth in each of the last 3 financial year i.e., 2021-22, 2022-23 and 2023-2024. **For MSME/NSIC registered bidder:** Bidder must have minimum average annual turnover of Rs. 20 crores during the last three financial year i.e., 2021-22, 2022-23 and 2023-2024. AND Bidder must be profitable and has positive net-worth in each of the last 3 financial year i.e., 2021-22, 2022-23 and 2023-2024	• Audited Profit and Loss Statement and Balance sheets for FY 2021-22, 2022-23 and 2023-24. • Auditor Certificate clearly specifying the turnover along with Profit and Net-worth during the FY 2021-22, 2022-23 and 2023-24. • MSME Bidder should produce valid registration certificate from NSIC/MSME.

3.	Bidder should have the experience of implementation of two work orders of Learning Enhancement Program/ Atal Tinkering Lab in government schools each of value not less than Rs 12 crore each during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024. OR Bidder should have the experience of Implementation of single work orders of Learning Enhancement Program/Atal Tinkering Lab in government schools of value not less than Rs 18 crores during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024. **For MSME/NSIC registered bidder:** Bidder should have the experience of implementation of two work orders of Learning Enhancement Program / Atal Tinkering Lab in government schools each of value not less than Rs 9 crore each during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024. OR Bidder should have the experience of Implementation of single work orders of Learning Enhancement Program/ Atal Tinkering Lab in government schools of value not less than Rs 14 crores during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. The work order should be issued from Center /State Govt/Autonomous bodies only.
4.	The bidder should have experience of teacher's training to minimum 1500 teachers for Govt. Schools during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024. **For MSME/NSIC registered bidder:** The bidder should have experience of teacher's training to minimum 1200 teachers for Govt. Schools during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	Copy of work order/MoU and completion certificate from client /email from client on project completion/ Installation Certificate duly certified from client. A letter from the end client wherein the number of teachers trained should be clearly mentioned.

5.	The bidder should have experience of providing training to minimum 30,000 students for Govt. Schools in a single work order during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024. **<u>For MSME/NSIC registered</u>** The bidder should have experience of providing training to minimum 24,000 students for Govt. Schools in a single work order during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	Copy of work order/MoU and completion certificate from client /email from client on project completion/ Installation Certificate duly certified from client. A letter from the end client wherein the number of students trained should be clearly mentioned.
6.	The Bidder should have the following certificates: • ISO 9001 • ISO 14001 • ISO 20001 • ISO 27001	• Copies of the valid certificates.
7.	The bidder should not be blacklisted by any Central Government/ State Government/ PSU/ Government Bodies/ Autonomous Bodies/ Private Sector or court of law in the last 3 years.	• The bidder shall furnish an undertaking duly attested by notary in a non-judicial stamp paper of value INR 100/- (Rupees One Hundred Only) as per Annexure-IV.
8.	The Authorized Signatory signing the Bid on behalf of the bidder - should have the Power of Attorney duly authorized by the Board of Directors to sign the Bid.	• Power of Attorney on Non-Judicial stamp paper as per Annexure IX
9.	Manufacturers Authorization Form (MAF) The bidder should submit valid undertaking letter from the OEM for confirming that the proposed products meet the technical & functional requirements & also products quoted are of the latest version / specification and are not nearing end of life.	• A letter of undertaking by manufacturer (OEM) should be submitted as per Annexure VIII
10.	The BIDDER must not have been declared insolvent/ bankrupt or should not have filed for insolvency/ bankruptcy or in the process of being declared bankrupt before any designated authority preceding bid due date.	• A Self Declaration on the Letter head of the BIDDER regarding BIDDER Company not being bankrupt or in process of being declared insolvent / bankrupt as on date as per Annexure XVI.

Note: All the aforementioned documents must be self-attested before uploading on the e-Tender portal.

I. Notwithstanding anything stated above, the EdCIL reserves the right to assess bidder's capability and capacity to perform the contract, should circumstances warrant such an assessment in the overall interest of the EdCIL or project.

II. Manufacturers Authorization Form (MAF) for Desktop Computer, Laptop and Printer only must be submitted with the bid.

III. Technical bids will also be reviewed for compliance with the necessary instructions, terms and conditions, scope of work, formats etc. as outlined in this tender.

IV. EdCIL reserves the right to physically verify the office or any document provided by the bidder in the way EdCIL desires.

6.4 Technical Evaluation by Marking

S.No.	Description	Evaluation Criteria	Max Marks
1.	The bidder should be in operation in India for at least last 10 years as on the date of submission of the bid.	No. of Years ≥ 15 Years: 20 Marks	**20**
		No. of Years ≥ 12 Years: 15 Marks	
		No. of Years ≥ 10 Years: 10 Marks	
2.	Bidder must have minimum average annual turnover of Rs. 25 crores during the last three financial year i.e., 2021- 22 and 2022-23, 2023-2024.	≥35 Crores: 20 Marks	**20**
		≥30 Crores: 15 Marks	
		≥25 Crores: 10 Marks	
3.	Bidder should have the experience of implementation of two work orders of Learning Enhancement Program/ Atal Tinkering Lab in government schools each of value not less than Rs 12 crore each during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024 OR Bidder should have the experience of Implementation of single work orders of Learning Enhancement Program/Atal Tinkering Lab in government schools of value not less than Rs 18 crores during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024	Number of Project of value not less than Rs 12 crore >2: 20 marks OR Number of Project of value not less than Rs 18 crore >1: 20 marks	**20**
		Number of Project of value not less than Rs 12 crore =2: 10 marks OR Number of Project of value not less than Rs 18 crore =1: 10 marks	

4.	The bidder should have experience of teacher's training to minimum 1500 teachers for Govt. Schools during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	≥2500 teachers: 15 Marks	**15**
		≥2000 teachers: 10 Marks	
		≥1500 teachers: 5 Marks	
5.	The bidder should have experience of providing training to minimum 30,000 students for Govt. Schools during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	≥50000 teachers: 15 Marks	**15**
		≥40000 teachers: 10 Marks	
		≥30000 teachers: 5 Marks	
6.	The Bidder should have the following certificates: • ISO 9001 • ISO 14001 • ISO 20001 • ISO 27001	ISO 9001: 2.5Marks ISO 14001: 2.5 Marks ISO 20001: 2.5 Marks ISO 27001: 2.5Marks	**10**

For MSME/NSIC Registered bidder/Startups

S.No.	Description	Evaluation Criteria	Max Marks
1.	The bidder should be in operation in India for at least last 7 years as on the date of submission of the bid.	No. of Years ≥ 12 Years: 20 Marks	**20**
		No. of Years ≥ 10 Years: 15 Marks	
		No. of Years ≥ 7 Years: 10 Marks	
2.	Bidder must have minimum average annual turnover of Rs. 20 crores during the last three financial year i.e., 2021- 22 and 2022-23, 2023-2024.	≥30 Crores: 20 Marks	**20**
		≥25 Crores: 15 Marks	
		≥20 Crores: 10 Marks	

3.	Bidder should have the experience of implementation of two work orders of Learning Enhancement Program/ Atal Tinkering Lab in government schools each of value not less than Rs 9 crore each during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024 OR Bidder should have the experience of Implementation of single work orders of Learning Enhancement Program/Atal Tinkering Lab in government schools of value not less than Rs 14 crores during last 5 FY i.e., 2019-20, 2020-21, 2021-22 and 2022-23, 2023-2024	Number of Project of value not less than Rs 9 crore >2: 20 marks OR Number of Project of value not less than Rs 14 crore >1: 20 marks	**20**
		Number of Project of value not less than Rs 9 crore =2: 10 marks OR Number of Project of value not less than Rs 14 crore =1: 10 marks	
4.	The bidder should have experience of teacher's training to minimum 1200 teachers for Govt. Schools during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	≥2000 teachers: 15 Marks	**15**
		≥1600 teachers: 10 Marks	
		≥1200 teachers: 5 Marks	
5.	The bidder should have experience of providing training to minimum 24,000 students for Govt. Schools during last 5 FY i.e., 2019-20, 2020-21, 2021- 22 and 2022-23, 2023-2024.	≥40000 teachers: 15 Marks	**15**
		≥32000 teachers: 10 Marks	
		≥24000 teachers: 5 Marks	
6.	The Bidder should have the following certificates: • ISO 9001 • ISO 14001 • ISO 20001 • ISO 27001	ISO 9001: 2.5Marks ISO 14001: 2.5 Marks ISO 20001: 2.5 Marks ISO 27001: 2.5Marks	**10**

6.5 Contract Finalization and Award

The Purchaser shall reserve the right to discuss with the Bidder(s) whose Proposal has been ranked best value bid based on Technical and Commercial Evaluation to the proposed Project, as per the guidance provided by Central Vigilance Commission (CVC).

6.6 Work Order

I. Based on the client requirement the work order will be issued to successful bidder on the accepted price.
II. Failure to provide services as per requirement by bidder may result into forfeiture of EMD, PBG & termination of the contract.
III. EdCIL will intimate the Supplier in writing regarding any extension in the work order. Extension of the contract would not lead to the extension of any of the in-force work orders.
IV. Contract termination shall automatically lead to termination or expiry of all work orders which were issued based on the contract.
V. The expiry of the contract does not lead to the expiry of the work order. The supplier must complete the obligation of the work order as per the signed contract until the time duration which will be mentioned in the work order.

6.7 Fraud and Corrupt /Malpractices

All the bidders must observe the highest standards of ethics during the process of selection of Successful Bidder and during the performance and execution of contract.

I. For this purpose, definitions of the terms are set forth as follows:
- **a.** "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of the EdCIL or its personnel in contract executions.
- **b.** "Fraudulent practice" means a misrepresentation of facts, in order to influence a selection process or the execution of a contract, and includes collusive practice among bidders (prior to or after Proposal submission) designed to establish Proposal prices at artificially high or noncompetitive levels and to deprive EdCIL of the benefits of -responsive. free and open competition.
- **c.** “Unfair trade practice” means supply of services different from what is ordered on, or change in the Scope of Work.
- **d.** “Coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the selection process or execution of contract.

II. EdCIL will reject a proposal for award, if it determines that the Bidder recommended for award, has been determined to be having been engaged in corrupt, fraudulent or unfair trade practices.

III. EdCIL will declare a bidder ineligible, either indefinitely or for a stated period of time, for award of contract, if bidder is found to be engaged in corrupt, fraudulent and unfair trade practice in competing for, or in executing, the contract at any point of time.

6.8 Failure to Agree with the Terms and Conditions of the RFP

Failure of the successful bidder to agree with the Draft Legal Agreement and Terms & Conditions of the RFP shall constitute sufficient grounds for the annulment of the award, in which event Purchaser may award the contract to the next best value Bidder or call for new proposals from

the interested Bidders. In such a case, the Purchaser shall invoke the Fixed Performance Guarantee of the most responsive Bidder.

Chapter-VII
Delivery Timeline & Payment terms

7.1 Duration and Timelines

The duration of the project shall be one year. The prices quoted by the bidder as per the financial bid submission form should be valid for a three-year period. The successful bidder has to complete the task within stipulated timeline as per table below

Table- 7.1

Sl. No	Milestone	Timeline (In Weeks) *
1.	Acceptance of LOI/LOA	T+1
2.	Submission of Bank Guarantee	T+2
3.	Pre-Delivery Inspection	T+8
4.	Delivery of Desktop with Printer & Furniture at BRC/CRC level	T+10
5.	Delivery & Installation of all other hardware/software/materials at school/inspectorate level	T+12
6.	Completion of Training and hand holding	T+20

Note:- * Here 'T' indicates the date of LOI/ LOA.

7.2 Payment Terms

S.No	Milestone	Payment
1.	Payment shall be released after Satisfactory Pre Dispatch Inspection of equipment by PDI Committee and submission of signed and stamped PDI inspection report. Payment will be made if items are found in good condition as per term and conditions mentioned in the RFP. The bidder should submit the following documents to the EdCIL for the payment: • PDI Certificate issued by the EdCIL/Client (signed and stamped) as applicable.	30% of total work order value
2.	Payment upon successful delivery of Desktop with Printer & Furniture Submission of Documents: • Original Tax Invoice (with contract details, quantity, and unit price) • Original delivery certificate for BRC & CRC from competent authority of BRC & CRC.	10% of total work order value

	• E-way Bills	
3.	Payment upon successful delivery & installation of all other hardware/software/materials at school/inspectorate level. Submission of Documents: • Original Tax Invoice (with contract details, quantity, and unit price) • Original delivery certificate, issued from concerned HM/AHM/IS at school/inspectorate level.	40% of total work order value
4.	On Completion of Training and Handholding The following documents should be submitted to EdCIL for the payment: • Original completion certificate from competent authority of School	20% of total work order value

Note:

i. Payments will be done only on the back-to-back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.

ii. Payment will be processed after proper quality checks and signing of handing over certificates by concerned authorities.

Chapter-VIII

Key Contract Terms

8.1 Standards of Performance

The Successful bidder shall deliver the services and carry out their obligations with due diligence, efficiency and economy in accordance with generally accepted professional standards and practices. The Successful bidder shall always act in respect of any matter relating to this contract as faithful successful bidder to EdCIL. The Successful bidder shall always support and safeguard the legitimate interests of EdCIL, in any dealings with the third party. The Successful bidder shall conform to the standards laid down in the RFP in totality.

8.2 Applicable Law

The Contract should be interpreted in accordance with the laws of the Union of India and all disputes should be subject to place of jurisdiction. The place of jurisdiction would be New Delhi (India).

8.3 Governing Language

The contract should be written in English language. English language version of the Contract should govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, should be written in the same language.

8.4 Taxes

Successful Bidder should be entirely responsible for all taxes incurred until delivery of the contracted Services. Only GST charged in the invoice will be paid; other than that no other taxes/ duties/ levies will be paid.

8.5 Successful bidder Integrity

The Successful bidder is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.

8.6 Termination for default

The EdCIL should, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Successful bidder, terminate the Contract in whole or part:

I. In case the supplier fails to submit the performance bank guarantee within stipulated time, EdCIL reserved the right to terminate the contract without any further notice.

II. If the Successful bidder fails to complete the work within the period(s)specified in the order, or within any extension thereof granted by the EdCIL; or

III. If the Successful bidder fails to perform any other obligation(s) under the Contract.

IV. If the Successful bidder, in the judgment of the EdCIL has engaged in corrupt or

fraudulent practices in competing for or in executing the Contract.

V. For the purpose of this Clause:

- "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;
- In the event the EdCIL terminates the Contract in whole or in part, the EdCIL should procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Successful bidder should be liable to the EdCIL for any excess costs for such similar Goods or Services. However, the Successful bidder should continue the performance of the Contract to the extent not terminated.

8.7 Risk Purchase Clause

In event of failure of completion of work within the stipulated delivery schedule, the consignee has all the right to purchase the item/equipment/service from the other source on the total risk and cost of the successful bidder under risk purchase clause.

8.8 Force Majeure

The Successful bidder should not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

I. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Successful bidder and not involving the Successful bidder's fault or negligence and not foreseeable. Such events shall include, but are not limited to, acts of the Consignee either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

II. If a Force Majeure situation arises, the Successful bidder should promptly notify the Consignee in writing of such conditions and the cause thereof. Unless otherwise directed by the Consignee in writing, the Successful bidder shall continue to perform its obligations under the Contract as far as is reasonably practical, and should seek all reasonable alternative means for performance not prevented by the Force Majeure event.

8.9 Confidential Information

Each Party (the "Receiving Party") acknowledges and agrees to maintain the confidentiality of Confidential Information (as hereafter defined) provided by the other Party (the "Disclosing Party") hereunder. The Receiving Party shall not disclose or disseminate the Disclosing Party's Confidential Information to any person other than those employees, agents, contractors,

subcontractors and licensees of the Receiving Party, or its affiliates, who have a need to know it in order to assist the Receiving Party in performing its obligations, or to permit the Receiving Party to exercise its rights under this Agreement. In addition, the Receiving Party (i) shall take all such steps to prevent unauthorized access to the Disclosing Party's Confidential Information, as it takes to protect its own confidential or proprietary information of a similar nature, which steps shall in no event be less than a reasonable standard of care, (ii) shall not use the Disclosing Party's Confidential Information, or authorize other persons or entities to use the Disclosing Party's Confidential Information, for any purposes other than in connection with performing its obligations or exercising its rights hereunder, and (iii) shall require all persons and entities who are provided access to the Disclosing Party's Confidential Information, to execute confidentiality or non-disclosure agreements containing provisions substantially similar to those set forth in this Clause. The provisions of this Clause respecting Confidential Information shall not apply to the extent, but only to the extent, that such Confidential Information is: (a) already known to the Receiving Party free of any restriction at the time it is obtained from the Disclosing Party, (b) subsequently learned from an independent third party free of any restriction and without breach of this provision; (c) is or becomes publicly available through no wrongful act of the Receiving Party or any third party; (d) is independently developed by the Receiving Party without reference to or use of any Confidential Information of the Disclosing Party; or (e) is required to be disclosed pursuant to an applicable law, rule, regulation, government requirement or court order, or the rules of any stock exchange. Upon the Disclosing Party's written request at any time, or following the completion or termination of this Agreement, the Receiving Party shall promptly return to the Disclosing Party, or destroy, all Confidential Information of the Disclosing Party provided under or in connection with this Agreement, including all copies, portions and summaries thereof.

8.10 Non-Disclosure

The firm and their personnel shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract, terms, prices or the client's business or operations details without the prior written consent of the client.

8.11 Prices

The prices must be quoted in the Performa given in Financial Bid failing which the Bid would be treated as unresponsive. Any discount or any other offers affecting the overall price must be mentioned in Financial Bid only. Discount or any other offers affecting the overall price mentioned at any other place of the bid other that Financial Bid will not be considered. Price information shall not be there in Technical Bid. The prices quoted by the bidder should be valid for a period of 5 years.

8.12 Limitation of Liability

Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.

8.13 Indemnity

The successful bidder shall indemnify EdCIL from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:

I. Any negligence or wrongful act or omission by the successful Bidder or the successful Bidder's Team or any third party associated with Bidder in connection with or incidental to this contract; or

II. Any breach of any of the terms of the successful Bidder's Bid as agreed, the Tender and this Contract by the successful Bidder, or the successful Bidder's Team or any third party.

III. Any infringement of patent, trademark/copyright arising from the use of related services or any part thereof.

The indemnity shall be to the extent of 100% in favor of EdCIL.

8.14 Liquidated Damages

I. Notwithstanding EdCIL's right to cancel the order, liquidated damages for non-conformance to the SLAs mentioned in this RFP document will be charged as per the penalties, subject to a maximum of 10% of the total value of the Work Order.

II. EdCIL reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by EdCIL to the successful bidder.

III. Applicable GST shall be charged extra from the successful bidder on SLA penalty and other Liquidated Damages.

8.15 Arbitration

I. Any dispute arising out or in connection with this contract, including any question regarding its existence, validity or termination, shall be referred to and finally resolved by arbitration administered by the Indian International Arbitration Centre (IIAC) in accordance with the Indian International Arbitration Centre (conduct of arbitration) Regulations (IIAC regulations) for the time being in force, which regulations are deemed to be incorporated by reference in this clause.

II. The place/seat of arbitration shall be New Delhi India. The tribunal shall consist of one arbitrator(s)

III. The law governing the arbitration agreement shall be Indian law. The language of the arbitration shall be English. The governing law of the contract shall be Indian law

IV. The arbitration cost shall be borne by the supplier.

8.16 Jurisdiction

Any legal disputes arising out of any breach of contract pertaining to this tender should be settled in the court of competent jurisdiction located within New Delhi.

8.17 Compliance Certificate

The bidder must provide this certificate on their letter head indicating conformity to the technical specifications. (as per Annexure VI).

8.18 Award of Contract

I. EdCIL reserves the right to accept or reject any proposal and to annul the bidding process and reject all proposals at any time prior to award of contract, without hereby incurring any liability to the Bidders. In case of annulment, all proposals submitted and specifically, proposal securities shall be promptly returned to the Bidder.

II. EdCIL has the right to review at any time prior to award of contract that the prequalification criteria, are still being met by the Bidder whose offer has been determined as first rank. A proposal shall be rejected if the pre-qualification criteria, are no longer met by the Bidder whose offer has been determined as first rank.

8.19 Notices

- Any notice given by one party to the other pursuant to this contract/order should be sent to the other party in writing or FAX or e mail and confirmed in writing to the other party's address.
- A notice should be effective when delivered or on the notice's effective date, whichever is later.

For the purpose of all notices, the following should be the address Consignee:

The Chief General Manager (DES)
EdCIL (India) Limited,
18 A, Sector-16A,
Noida-201301, Uttar Pradesh
Tel: 91-120-2512001 to 2512006

Successful bidder: (To be filled in by the successful bidder)

8.20 Escalation Matrix:

The bidder should provide at-least 3 level escalation matrix for providing resolution of the complaints at local level.

8.21 Acknowledgement

It is hereby acknowledged that we have gone through all the conditions mentioned above and below and we agree to abide by them.

8.22 Fall Clause

The Bidder undertakes that he has not supplied/is not supplying the similar service/ product/ systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/ Department of the Government of India or PSU and if it is found at any stage that the similar service/ product/ systems or sub-system was supplied by the Bidder to any

Ministry/ Department of the Government of India or PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the Bidder to the Purchaser, if the contract has already been concluded.

8.23 Termination for Convenience

EdCIL reserves the right to terminate the contract at any time without assigning any reason thereof.

ANNEXURE-I

Letter of Undertaking
(On the letter head of the organization)

To
Chief General Manager (DES)
EdCIL (India) Limited (EdCIL)
EdCIL House, 18 A, Sector-16 A,
NOIDA – 201301 (U.P.)

Subject- Selection of System Integrator for Design, Delivery, Installation & Commissioning of Multiple educational solutions across Government Schools of Tripura.

Sir,

This bears reference to EdCIL Bid No. **……** Dated ……. We, hereby, accept all the terms and conditions for submitting bid as mentioned in this Bid Document.

We hereby certify that no terms and conditions have been stipulated by us in the Financial Bid.

We warrant that the services do not violate or infringe upon any patent, copyright, trade secret or other property right of any other person or other entity. We agree that we shall not prevent EdCIL from any claim or demand, action or proceeding, directly or indirectly resulting from or arising out of any breach or alleged breach of any of the terms & conditions of bid document and contract.

The above document is executed on _____ at (place) _____ and we accept that if anything out of the information provided by us is found wrong, our bid/ work order shall be liable for rejection.

Thanking you,

Yours faithfully,

Name of the Bidder_____

Authorized Signatory_____

Seal of the Organization_____

Date:
Place:

ANNEXURE-II

<< Organization Letter Head >>

DECLARATION SHEET

We,_____hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, we will support on regular basis with technology / product updates and extend support for the warranty.

We, further specifically certify that our organization has not been Black Listed/ De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking as on date.	NAME & ADDRESS of the VENDOR/ MANUFACTURER/ AGENT
1 Phone	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 TIN Number	
7 PAN Number	
(In case of on-line payment of EMD) 8. UTR No. (For EMD)	
9. Kindly provide bank details of the bidder in the following format: a) Name of the Bank	
b) Account Number	
c) Kindly attach scanned copy of one Cheque book page to enable us to return the EMD to unsuccessful	

(Signature and seal of the Tenderer)

ANNEXURE-III

Tender Compliance Sheet

We hereby confirm that we are complying to the technical specifications as specified in the tender document and the offer is submitted in accordance to the technical requirement. The all relevant documents in support of our claims are enclosed at the following pages:

S. No.	Description	Yes/No with Page No.
1.	BID SECURITY(EMD) Whether the bidder has attached the Bid Security?	
2.	Amount of Bid Security (EMD) as per bid requirement or not?	
3.	Date of issue of Demand Draft/BG for EMD	
4.	Validity of the Demand Draft/BG as per tender condition or not?	
5.	Bid validity as per tender condition or not?	
6.	Legal Status/ Constitution of firm (any document & partnership deed etc.)	
7.	Whether the bidder has quoted for all the items & services in the Schedule?	
8.	Whether price as per Financial Bid quoted or not?	
9.	Whether Project Timeline as per bid agreed or not?	
10.	Payment terms as per bid agreed or not?	
11.	Undertaking as per **Annexure-I** or not?	
12.	Letter of proposal signed and enclosed with the bid offer	
13.	Signed copy of Pre-contract integrity pact	
14.	Letter of Bid submission	
15.	Signed copy of the tender document submitted	
16.	Power of Attorney	
17.	Declaration Sheet	

ANNEXURE-IV

SELF-DECLARATION: NON-BLACKLISTING

This is to confirm that we M/s_____(give full address) have notbeen declared neither **failed to perform on any Agreement, nor have been expelled from any project or Agreement nor any Agreement terminated** for breach by the us (Agency) in any of the government department and public sector undertaking/enterprise or by any other Client in India, in last five year before release of advertisement.

If the above information found false at any stage after the placement of Work Order / Agreement, EdCIL (India) Limited (EdCIL), 18-A, Sector 16-A, Noida will have full right to cancel the Contact and forfeit the Performance Guarantee. All the directand indirect cost related to the cancellation of the order will be borne by us besidesany legal action by EdCIL which shall be deemed fit at that point of time.

Authorized Signatory

Note: The undertaking regarding the non-blacklisting of firm is to be submitted on a non-judicial stamp paper of Rs. 100/- (Rupees Hundred only).

ANNEXURE-V

Annual Turnover Form

Sl. No.	Financial Year	Annual Turnover (Rs. In Crore)	Net Worth (Rs. In Crore)	Profit/Loss (Rs. In Crore)
1.	2021-22			
2.	2022-23			
3.	2023-24			
Total				
Total in Words				
Average				
Average in Words				

Note:

- Certificate from Statutory Auditor certifying Balance sheet and P&L statement only for all three years to be attached with signature and seal of chartered accountant.
- Values entered in words will be treated as final.

Signature with Seal of the Chartered Accountant with UDIN No.

Signature with Seal of the Bidder

ANNEXURE-VI

Technical Compliance Sheet

We hereby confirm that we are complying to the technical specifications as specified in the tender document and the offer is submitted in accordance of the technical requirement. The all relevant documents in support of our claims are enclosed at the following pages:

Signature of Bidder Name: _____

Designation: _____

Organization Name: _____

Contact No.: _____

Annexure VII

List of Orders Executed

List of Organizations for whom the Bidder has undertaken such work during last three years (must be supported with work orders)			
Name of the organization	**Year of Award**	**Work Order Value**	**Name of Contact Person and other details**

Signature of Bidder

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

ANNEXURE-VIII

Manufacturer (OEM) Authorization Form

No. _____ dated _____

To

Dear Sir/Madam:

Bid No. _____

We _____ who are established and reputed manufacturer of _____ (name and description of goods offered) having factories at _____ (address of factory) do hereby authorize M/s_____ (Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above bid.

We hereby extend our full warranty as per the required conditions of Contracts, for the goods and services offered for supply by the above bidder against this Invitation for Bid. We further certify that we shall support vendor with all related spares and maintenance during the entire contract period including the period of warranty/AMC and we also declare that the product proposed in this contract will not be end of life till the contract period.

Yours faithfully,

(Name):_____

(Name of manufacturers):_____

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

ANNEXURE-IX

Power of Attorney

Know all men by these presents, we…… (name of firm and address of the registered office) do hereby constitute, nominate appoint and authorize Mr./Ms…… son/daughter/wife of …….and presently residing at……., who is presently employed with /retained by us and holding position of…….as our true and lawful attorney (Hereinafter referred to as the "Authorized Representative") to do in our name andon our behalf, all such acts, deeds and things are as necessary or required in connection with or incidental to submission of our proposal for and selection as the <project title> for the <name of the client> project, proposed to be developed by the ……. (the "client") including but not limited to signing and submission of all applications, proposals and other documents and writings, participating in pre bid and other conferences and providing information /responsesto the client, representing us in all matters before the Client, signing and execution of all contracts and undertakings consequent to acceptance of our proposal and generally dealing with the client in all matter in connection with or relating to or arising out of our Proposal for the said project /or upon award thereof to us till theentering into of the Agreement with the client.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawful done or caused to be done by our said Authorized Representative pursuant to and inexercise of the powers conferred by this power and Attorney and that all acts, and things done by our said Authorized Representative in exercise of the powers herebyconferred shall and shall always be deemed to have been done by us.

[IN WITNESS WHEREOF WE……THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS …….. DAY OF …….. 2025.

For …… (Name and registered address of client)

(Signature, name, designation, and address)

Witness:

1. (Signature, name and address)

2. (Signature, name and address)

Notarized

Accepted

…….

(Signature, name, designation, and address of the attorney)

Notes:

1. The mode of the execution of the power of Attorney shall be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants (s) and when it is so required the same should beunder seal affixed in accordance with the required procedure.

2. Wherever required, the applicant should submit for verification the extract of the charter documents and other documents such as a resolution/Power ofAttorney in favor of the person executing this Power of Attorney for delegation of power hereunder on behalf of the applicant.

3. For a Power of Attorney executed and issued overseas, the document will alsohave to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power and Attorney is being issued. However, the Power of Attorney provided by the applicants from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalized by the Indian Embassy it is carries a conforming Apostle certificate.

ANNEXURE-X

LETTER OF BID SUBMISSION

To
Chief General Manager (DES),EdCIL (India) Limited,
EdCIL House, 18A,
Sector- 16A,
NOIDA- 201 301 (U.P)

SUBJECT: Selection of System Integrator for Design, Delivery, Installation & Commissioning of Multiple educational solutions across Government Schools of Tripura.

-Submission of Bid -

Sir,
Having examined the details given in Press Notice, Notice Inviting Bid & Bid Document for the above work, I/we hereby submit the relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed form _____and accompanying statements are true and correct.
2. I / we certify that we have not changed/altered any word/sentence or any figure in number/s or words appearing the original tender document uploaded by EdCIL on the designated web page for e-tendering. In case, if a fraudulent activity is found at any stage between tender submission to final closure of the tender/contract, our candidature/bid/contract shall be immediately cancelled and EMD/Performance security/ security deposit along with the due amount towards the work executed or advance shall be forfeited. EdCIL will not entertain any claim or entertain any reason for this intentional act. EdCIL may go for the legal action against the bidder for recovering any one or all damages caused to EdCIL or its client on this account.

3. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.

4. I/We submit the requisite **certified solvency certificate** and authorize the EdCIL to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize EdCIL to approach individuals, employers, firms and corporation to verify our competency and general reputation.

5. I/We submit the following **certificates** in support of our suitability, technical knowledge and capability for having successfully completed the following works:

S.No.	Name of Work	Certificate From

6. Earnest Money Deposit amounting to Rs.11,30,000 in the form of DD/Pay Order No. ---------- dated ---------- issued by ---------- Bank is submitted.

7. Demand Draft of Rs. (NIL)/- towards Bid document cost.: If applicableEnclosures:

Date of Submission:

ANNEXURE – XI

Bank Guarantee towards Bid Security (EMD)

Bank Guarantee No._____

To
Chief General Manager (DES),EdCIL (India) Limited,
EdCIL House, 18A, Sector- 16A,
NOIDA- 201 301 (U.P)

Whereas .....(here in after called "the Bidder") has submitted its Bid dated .....(Date) in response to the RFP No: ..... for Selection of System Integrator for Design, Delivery, Installation & Commissioning of Multiple educational solutions across Government Schools of Tripura. (here in after called "theBid")

KNOW ALL MEN by these presents that We.....having our registered office at..... (hereinafter called the "Bank") are bound onto EdCIL India Limited, Noida (hereinafter called "EdCIL") in the sum of..... for which payment well and truly to be made to the said EdCIL itself, its successorsand assignees by these presents.

The conditions of these obligations are:

1. If the Bidder withdraws its Bid during the period of Bid validity or
2. If the Bidder, having been notified of the acceptance of its Bid by EdCIL during the period of Bid validity:
   i. fails or refuses to execute the Agreement form if required; or
   ii. fails or refuses to furnish the performance security, in accordance with the Bid requirement

We undertake to pay EdCIL up to the above amount upon receipt of its first written demand, without EdCIL having to substantiate its demand, provided that in its demand EdCIL 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 (Date) and any demand in respect thereof should reach the Bank not later than the above date.

Dated: the Day of for

(indicate the name of bank official)
Witness
1.

Signature of Banks Authorized

(Name)_____
Designation with Code No. ---------

2. Full Address----------

Annexure XII

PERFORMANCE BANK GUARANTE FORMAT

Name of the Bank: _____

To
EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A
NOIDA – 201301 (U.P.)

In consideration of the EdCIL acting through _____(Designation & address of Contract Signing Authority), (hereinafter called "The EdCIL (India) Ltd") having agreed under the terms and conditions of agreement/ Contract Acceptance letter No. _____ Dt :_____ Made between _____ (Designation & address of contract signing Authority) and _____ (here in after called "the said Agency" for the work _____ (here in after called "the said agreement") having agreed for submission of a irrevocable Bank Guarantee Bond for _____ (_____ only) as a performance security Guarantee from the Agency for compliance of his obligations in accordance with the terms & conditions in the said agreement.

1. We _____ (Indicate the name of the Bank) hereinafter referred to as the Bank, undertake to pay to the EdCIL (India) Ltd an amount not exceeding _____ (_____ only) on demand by the EdCIL (India) Ltd.

2. We _____ (Indicate the name of the bank, further agree that (and promise) to pay the amounts due and payable under this guarantee without any demur merely on a demand from the EdCIL (India) Ltd through the Chief General Manager (DES), EdCIL (India) Ltd, Noida or _____ (Designation & Address of contract signing authority), stating that the amount claimed is due by way of loss or damage caused to or would be caused or suffered by the EdCIL (India) Ltd by reason of any breach by the said Agency of any of the terms of conditions contained in the said agreement or by reason of the Agency failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding _____ (_____ Only).

3. (A) We _____ (indicate the name of Bank) further undertake to pay to the EdCIL (India) Ltd any money so demanded notwithstanding any dispute or dispute raised by the Agency in any suite or proceeding pending before any court or Tribunal relating to liability under this present being absolute and unequivocal.

(B) The payment so made by us under this Performance Guarantee shall be a valid discharge of our liability for payment there under and the Agency shall have no claim against us for making such payment.

4. We _____ (Indicate the name of bank) to further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the EdCIL (India) Ltd under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged by _____ (Designation & Address of contract signing authority) on behalf of the EdCIL (India) Ltd, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said Agency and accordingly discharges this guarantee.

5 (a) Not withstanding anything to the contrary contained herein the liability of the bank under this guarantee will remain in force and effect until such time as this guarantee is discharged in writing by the EdCIL (India) Ltd or until (date of validity/ extended validity) whichever is earlier and no claim shall be valid under this guarantee unless notice in writing thereof is given by the EdCIL (India) Ltd within validity/ extended period of validity of guarantee from the date aforesaid.

(b) Provided always that we _____ (indicate the name of the Bank) unconditionally undertakes to renew this guarantee or to extend the period of guarantee form year to year before the expiry of the period or the extended period of the guarantee, as the case shall be on being called upon to do so by the EdCIL (India) Ltd. If the guarantee is not renewed or the period extended on demand, we _____ (indicate the name of the Bank) shall pay the EdCIL (India) Ltd the full amount of guarantee on demand and without demur.

6. We _____ (indicate the name of Bank) further agree with the EdCIL (India) Ltd that the EdCIL (India) Ltd shall have the fullest liberty without our consent and without effecting in any manner out of obligations hereunder to vary any of the terms and conditions of the said contract from time to time or to postpone for any time or from time to time any to the powers exercisable by the EdCIL (India) Ltd against the said Agency and to forbear or enforce any of the terms and conditions of the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Agency for any bearance act or omission on the part of the EdCIL (India) Ltd or any indulgence by the EdCIL (India) Ltd to the said Agency for by any such matter or thing whatsoever under the law relating to sureties for the said reservation would relive us from the liability.

7. This guarantee will not be discharged by any change in the constitution of the Bank or the Agency.

8. We, _____ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the EdCIL (India) Ltd in writing.

9. This guarantee shall be valid up to 36 weeks from the date of issue of LOA to the successful bidder. Unless extended on demand by EdCIL (India) Ltd. Notwithstanding anything to the contrary contained hereinbefore, our liability under this guarantee is restricted to Rs…….. (Rs……..only) unless a demand under this guarantee is made on us in writing on or before…….. we shall be discharged from our liabilities under this guarantee thereafter.

Dated: The Day of For
(indicate the name of bank)

Signature of Banks Authorized official
(Name)_____
Designation with Code No. ---------
Full Address----------

Witness

1
2.

ANNEXURE-XIII

PROFORMA PRE CONTRACT INTEGRITY PACT

GENERAL

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ___ day of the month of …. 2025, between, on one hand, acting through Shri/Smt. _____, Designation, EdCIL (India) Limited (hereinafter called the "BUYER"/ "EdCIL" interchangeably, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part

AND

M/s _____ represented by Shri _____, Chief Executive Officer (hereinafter called the "BIDDER/Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the EdCIL proposes to procure services towards "_____(Name of the Work)."

For its clients and BIDDER/Seller is willing to offer the said services and related items as referred to in the Bid document No. **……** Dated …….. 2024.

WHEREAS the BIDDER is a private company /public company / Government undertaking / partnership / registered expert agency, constituted in accordance with the relevant law in the matter and the EdCIL is a Public Sector Undertaking under Ministry of Education performing its functions.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

Enabling the EdCIL to obtain the desired services as referred to in the Bid document No **……** dated ……2024 at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement and Enabling BIDDERs to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain

from bribing and other corrupt practices and the EdCIL will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

1. Commitments of the EdCIL

1.1 The EdCIL undertakes that no official of the EdCIL, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 The BUYER will, during the pre-contract stage, treat all BIDDERs alike, and will provide to all BIDDERs the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERs.

1.3 All the officials of the EdCIL will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the EdCIL with full and verifiable facts and the same is prima facie found to be correct by the EdCIL, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings shall be initiated by the EdCIL and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the EdCIL the proceedings under the contract would not be stalled.

3. Commitments of Bidders

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees,

brokerage or inducement to any official of the EdCIL, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the EdCIL or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

3.3 Bidders shall disclose the name and address of agents and representatives and Indian BIDDERs shall disclose their foreign principals or associates.

3.4 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

3.5 The BIDDER further confirms and declares to the EdCIL that the BIDDER is the original manufacturer/integrator/authorized government sponsored export entity and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the EdCIL or any of its functionaries, whether officially or unofficially to the award to the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation, as the case shall be for satisfactory performance of the proposed terms of Bidder.

3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the EdCIL or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair

means and illegal activities.

3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the EdCIL as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the EdCIL, or alternatively, if any relative of an officer of the EdCIL has financial interest / stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of Bid.

3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the EdCIL.

4. PREVIOUS TRANGRESSION

4.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this integrity pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the bid process.

4.2 The BIDDER agrees that if it makes incorrect statement on this subject. BIDDER can be disqualified from the Bid process or the contract, if already awarded, can be terminated for such reason.

5. EARNEST MONEY DEPOSIT

5.1 While submitting Technical bid, the BIDDER shall deposit an amount of Rs…….. as Earnest Money with the EdCIL through Account Payee Bank Draft/BG in favor of EdCIL (India) Limited. In case EMD is submitted in the form of BG, the BG should be valid till 180

days from submission of bid , as per the Annexure. Bidders registered with MSME and having valid registration certificate issued by NSIC/MSME are exempted for submission of EMD. However, MSMEs are advised to submit their financial solvency certificate issued not earlier than 3 months from the last date of bid submission.

5.2 The instrument for Security Deposit made shall be valid up to the specified period and the bidder shall be liable to keep the said instrument valid for such extended period as the case shall be for satisfactory performance of the terms of Bidder above referred till the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the EdCIL, including warranty period, whichever is later.

5.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining of Performance Bond in the corresponding Contract governing such agreement that the provisions of Sanctions for Violation shall be applicable for encashment of Performance Bank Guarantee deposited towards forfeiture of said amount in case of a decision by the EdCIL to forfeit the same without assigning any reason for imposing such sanction.

5.4 No interest shall be payable by the EdCIL to the BIDDER on Earnest Money Deposit for the period of its currency.

6. SANCTIONS FOR VIOLATIONS

6.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the EdCIL to take all or any one of the following actions, wherever required:

i. To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

ii. The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit / Performance Bond (Bank Guarantee) (after the contract is signed) shall stand forfeited either fully or partially, as decided by the EdCIL and the BUYER (EdCIL) shall not be required to assign any reason therefore.

iii. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.

iv. To recover all sums already paid by the EdCIL, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR as the case shall be. If any outstanding payment is due to the BIDDER from the EdCIL in connection with any other contract for any other stores or on any account whatsoever and by

whatsoever name called, such outstanding payment could also be utilized to recover the aforesaid sum and interest thereto.

v. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the EdCIL, along with interest.

vi. To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the EdCIL resulting from such cancellation/rescission and the EdCIL shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

vii. To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which shall be further extended at the discretion of the EdCIL.

viii. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

ix. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the EdCIL with the BIDDER, the same shall not be opened.

x. Forfeiture by way of encashment of Performance Bond in case of a decision by the EdCIL to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.2 The EdCIL will be entitled to take all or any of the actions mentioned at Para 6.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of any offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the EdCIL to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, an Independent Monitor(s) shall be appointed by EdCIL, in case of breach of the provisions of the pact.

7. INDEPENDENT MONITORS

7.1 An Independent monitor (s) shall be appointed by EdCIL, in case of breach of the provisions of the pact.

7.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project / procurement, including minutes of meetings.

7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the EdCIL.

7.6 The BIDDER(s) accept that the Monitor has the right to access without restriction to all Project documentation of the EdCIL including that provided b the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Sub-bidders. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Sub-bidder(s) with confidentiality.

7.7 The EdCIL will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

7.8 The Monitor will submit a written report to the designated Authority of BUYER/Secretary in the Department/within 8 to 10 weeks from the date of reference or intimation to him by the EdCIL / BIDDER and, shall the occasion arise, submit proposals for correcting problematic situations.

8. FACILITATION OF INVESTIGATION

In case of any allegation of violation of any provisions of this Pact or payment of commission, the EdCIL or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9. LAW AND PLACE OF JURISDICTION

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the EdCIL.

10. OTHER LEGAL ACTIONS

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that shall follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

11. VALIDITY

11.1 The validity of this Integrity Pact shall be governed by the terms of the Bid No. **……..** towards complete execution of the contract to the satisfaction of both the EdCIL and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract awarding the Bidder with successful bidder.

11.2 Shall one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

12. The parties hereby sign this Integrity Pact at _____ on _____.

EdCIL (India) Limited	BIDDER
Name of the Officer :	CHIEF EXECUTIVE OFFICER
Designation:	
Witness:	Witness:
1. _____	1. _____
2. _____	2._____

(The Pre Contract Integrity Pact shall be modified based in line with the conditions of the Bid Documents).

Annexure XIV

Contract Form

THIS AGREEMENT made the ..... day of ..... 2025 between ..... EdCIL (Hereinafter called "the Purchaser") of the one part and ..... (Name & address of Supplier) ..... (Hereinafter called "the Supplier") of the other part:

WHEREAS the Purchase is desirous that certain Goods and ancillary service es viz. ..... (Brief Description of Goods and Services) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of ..... (Contract Prize in words and Figures) (Hereinafter called "the Contract Price")

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz.,

   [a] The Price Schedule submitted by the Bidder;
   [b] The Schedule of Requirements;
   [c] The Terms & Conditions
   [d] The EdCIL's Notification of Award/ Purchase Order

3. In consideration of the payments to be made by the EdCIL to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the EdCIL to provide the goods and services and to remedy defects herein in conformity inall respects with the provisions of the Contract.
4. The EdCIL hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contact prices or such other sum as shall become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

   Brief particulars of the goods and services, which shall be supplied/ provided by the Supplier, are as under:

S. No.	Brief Description of Goods& Services	Quantity to besupplied	Unit Price	Total Price	Delivery Terms

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first abovewritten.

Signed, Sealed and Delivered by the
said..... (For the EdCIL)

in the presence of .....

Signed, Sealed and Delivered by the
said..... (For the Supplier)

in the presence of .....

ANNEXURE- XV

LIST OF AUTHORISED BANKS FOR BG

Any Guarantee issued by PSU Bank (or) Private Bank operating in India must be operational and invocable in Noida only. For Guarantee to be operational in Noida theissuing bank must designate a specified Bank Branch in Noida.

Following banks are permissible for accepting Bank Guarantees:

SCHEDULED PUBLIC SECTOR BANKS

S.No.	Name of the Bank
1	Bank of Baroda
2	Bank of India
3	Bank of Maharashtra
4	Canara Bank
5	Central Bank of India
6	Indian Bank
7	Indian Overseas Bank
8	Punjab & Sind Bank
9	Punjab National Bank
10	State Bank of India
11	UCO Bank
12	Union Bank of India

.

SCHEDULED PRIVATE SECTOR BANKS

S.No.	Name of the Bank
1	HDFC Bank Ltd
2	ICICI Bank Ltd
3	Axis Bank Ltd
4	Kotak Mahindra Bank Ltd
5	IndusInd Bank Ltd

Annexure XVI

Performa for declaration on proceedings under insolvency and bankruptcy code

Tender No. : .....
Name of Work : .....
Bidder 's Name : ..... .

I/ We, M/s._____declare that:-

a) I /We am / are not undergoing insolvency resolution Process or liquidation or bankruptcy proceeding as on date.
b) I /We am / are undergoing insolvency resolution process or liquidation or bankruptcy proceeding as on date as per Details mentioned below. (Attached detail with technical bid)

Note: Strike out one of above which is not applicable.

It is understood that if this declaration is found to be false, EdCIL (India) Ltd. shall have the right to reject my / our bid, and forfeit the EMD, if the bid has resulted in a contract, the contract will be liable for termination without prejudice to any other right or remedy (including holiday listing) available to EdCIL (India) Ltd.

Place:
Date: Signature of Bidder Name of Signatory

Annexure XVII

Pre-Bid Query Format

Queries should be submitted in .XLS format.

RFP Description				
RFP No.				
Organization				
Address				
Contact Person				
Contact No.				
Mail Id				
S.No.	SectionNo.	Page No.	Clause as per RFP	Clarification Sought

Annexure XVIII

Solution Wise Specifications

Solution 1: Pre-Primary & Child-Friendly Furniture

This solution ensures the supply of ergonomically designed, child-safe furniture that supports interactive and developmentally appropriate learning environments in line with ECCE standards and safety norms. The bidder shall supply complete sets of child-friendly furniture, ensuring ergonomic design, non-toxic materials, and secure packaging to prevent damage during transit. The program aims to create age-appropriate, engaging learning environments through ergonomically designed furniture that promotes active learning and holistic development in early learners. Aligned with NCERT's ECCE framework, this component includes the supply of low-height desks, chairs, soft seating, and storage furniture for 31 PM SHRI schools. The furniture will be non-toxic, durable, and ergonomically designed to support child-friendly, interactive, and inclusive learning spaces.

The major components factored for the solution are listed below:

i. Procurement and supply of ergonomically designed, child-friendly furniture including low-height desks, chairs, soft seating, and storage units.
ii. Furniture must be compliant with safety standards and suitable for pre-primary age groups.
iii. Delivery to be made to designated school premises and delivery certificates of items must be submitted as documentary evidence.

Furniture Pre Primary for 31 units			
S. No.	**Item Name and Product No.**	**Specification**	**Qty**
1	Desk & Bench	Desk top=42×16 Bench seat=42×12 Frame size 29 h×34 d×40 w	10/school

Child Friendly Furniture for 31 schools			
S. No.	**Item Name and Product No.**	**Specification**	**Qty**
1	White & black board	Wooden (2 in 1) 4*3 ft	1
2	Round table	Material –4 ft by 4 ft wooden top and 1.5 ft height	5
3	Fresh chairs	Material - PVC plastic, non-toxic material, size: Height 12 in	30
4	Eva mats	12 mm width 2 feet by 2 feet size per pcs 1 packet comes with 4 pcs. Total area covered by 1 pck 4 feet by 4 feet	6
5	Bookshelf	Material - PVC plastic, non-toxic material, size: L 32, B 12, h 40 in	1

Child Friendly Furniture for 194 schools			
S. No.	**Item Name and Product No.**	**Specification**	**Qty**
1	White & black board	Wooden (2 in 1) 4*3 ft	1
2	Round table	Material – 4 ft by 4 ft wooden top and 1.5 ft height	2

3	Fresh chairs	Material - PVC plastic, non-toxic material, size: Height 12 in	12
4	Eva mats	12 mm width 2 feet by 2 feet size per pcs 1 packet comes with 4 pcs. Total area covered by 1 pck 4 feet by 4 feet	2
5	Bookshelf	Material - PVC plastic, non-toxic material, size: L 32, B 12, h 40 in	1

Solution 2: Outdoor Play Materials

This solution ensures the provision of age-appropriate, safe, and durable outdoor play equipment that promotes physical development, social interaction, and experiential learning through active play. The successful bidder shall supply weather-resistant play structures with safety features. Materials must be securely packaged and conform to age-appropriate activity standards. The program intends to support physical and social development through structured outdoor play, offering age-appropriate, safe, and interactive play materials that enhance motor skills and peer interaction. Under this initiative, age-appropriate, weather-resistant outdoor play equipment such as tunnels, balls, and matts will be supplied in 31 schools. The materials will promote gross motor skill development, social interaction, and experiential learning.

The major components factored for the solution are listed below:

i. Supply of age-appropriate play equipment such as tunnel, balls, and mat.
ii. All materials to be weather-resistant and child-safe.
iii. Inspectorate-wise delivery certificates of items must be submitted as documentary evidence.

Outdoor Play Material for 31 schools			
S. No.	**Item Name and Product No.**	**Specification**	**Qty**
1	Rainbow tunnel and ball pool and tent house	10 by 4 size come with 20 balls 1 ball pool 1 tunnel 1 tent house Can be used individually or together Easily foldable and carry.	1
2	Hopscotch mat	27.5 Inch,106 Inch,40 Inch	1
3	Trampoline 6 feet multi colour	Trampoline 6feet round in diameter max capacity 6 kids	1
4	Multicolour single rocker	L33xB12xH19 Inches	1
5	Park slides with swing	L62xB63xH55 Inches	1
6	Soft balls	Soft balls are of 8 cm in dia. Made of plastic	100
7	Hoping balls	Ball Pits-Height-15 CM.& 18 CM	1

Outdoor Play Material for 194 schools			
S. No.	**Item Name and Product No.**	**Specification**	**Qty**
1	Rainbow tunnel and ball pool and tent house	10by4 size come with 20 balls 1 ball pool	2

		1 tunnel 1 tent house Can be used individually or together Easily foldable and carry	
2	Hopscotch mat	27.5 Inch,106 Inch,40 Inch	1
3	Multicolor single rocker	L33xB12xH19 Inches	2
4	Soft balls	Soft balls are of 8 cm in dia. Made of plastic	20
5	Hoping balls	Ball Pits-Height-15 CM.& 18 CM	1

Solution 3: School Furniture (including Lab & Office Furniture)

This solution ensures the supply of functional, durable, and friendly furniture for classrooms, laboratories, and offices, creating organized and efficient learning and administrative environments. The successful bidder shall supply all furniture items including desks, benches, and office units, ensuring durability, functionality, and compliance with prescribed dimensions and specifications. The program intends to improve classroom efficiency and school management by equipping schools with durable and functional furniture that supports both academic and administrative needs. Furniture will be provided to 31 schools under PM SHRI, including desks, benches, teacher tables, office chairs, and storage. All items will be designed for comfort, accessibility, and ease of maintenance, supporting efficient classroom and administrative environments.

The major components factored for the solution are listed below:

i. Supply of classroom desks, teacher tables, chairs, and office storage solutions.
ii. Durability, non-toxicity, and ease of maintenance to be ensured.
iii. School-wise delivery certificates of items must be submitted as documentary evidence.

Furniture for 31 units			
S. No.	**Item Name and Product No.**	**Specification**	**Qty**
1	Desk & Bench	Desk top=42×16 Bench seat=42×12 Frame size 29 h×34 d×40 w	8/school

Solution 4: Integrated Science Lab Furniture & Equipment

This solution ensures the delivery & set up of safe, high-quality lab furniture and scientific equipment to facilitate hands-on learning, scientific inquiry, and STEM education in a structured lab setting. The successful bidder shall supply complete lab infrastructure including workstations and chemical storage, along with manuals and safety accessories, with proper packaging to prevent breakage. The program aims to strengthen STEM learning by providing well-equipped science labs that support hands-on experimentation and inquiry-based instruction in Physics, Chemistry, and Biology. Six schools will be equipped with modern science lab furniture and equipment. The equipment aligns with STEM education and includes procuring and supplying the furniture & equipment.

The major components factored for the solution are listed below:

i. Supply of lab benches, storage cabinets, and workstations for science labs.
ii. Supply of essential lab consumables and apparatus for Physics, Chemistry, and Biology.
iii. School-wise delivery certificates of items must be submitted as documentary evidence.

Integrated Science Lab Furniture & Equipment for 6 Schools				
GENERAL ITEMS (Category - A)				
S. N.	**Item Name (Quantity)**	**Specification**	**Uses**	**Unit**
1	Spring balance (1)	A.B.S., open type, capacity 250 g, graduation in steps of 10 g on one side and Newton's on the other side.	- To measure weight up to 250g wt. (newton) - To measure the force of pull applied for pulling object on plain/rough surfaces - To show the ease in pulling object on plain/rough surfaces - To introduce the concept of density of different metals	2
2	Magnetic compass (1)	Metal case, polystyrene transparent top, magnetized needle with north marked red and south marked blue, 50 mm size.	- To show North and South direction - To show effect of N.S. pole on magnetic compass	2
3	Set of four resistors. 10 ohm. (1) 20 ohm (2) 30 ohm. (1)	15 mm x 15 1mn x 125 mm with nichrome wire resistance, embedded in plastic case with tenninal.	- To show resistances in series and parallel - To study Ohm's law	2
4	Protractor Full circle (1)	Transparent plastic dia. 125 mm, approx. thickness 2 mm. Double angle marking 0-360	- To draw and measure angles	2
5	Graduated syringe (2 mL) (1)	Standard, plastic, capacity 10 mL	- As a measure of liquids 2mL - To transfer liquids during experiments	2
6	Compound Microscope (1)	ISI based microscope: Metal Body, overall height approx. 320 mm, base 125 mm x 200 mm. Achromatic good quality lenses. Two Objectives: 1 Ox& 45x. Two Eyepieces: l0 x & 15x having coarse fine motion & fixed condenser.	- For assisting eyes in seeing minute - Objects or features of objects which can't seen with naked eye	2
7	Dissecting Microscope (1)	eye piece-10x, 20x, Magnification-10x. 20x & ISI Mark	- Organisms - Used for viewing the dissected - Used for examining samples of soil, thread, yarn, insects etc	2
8	Tuning fork (1)	Mild Steel flattened 06 x 3.4 mm, prongs 110 mm long, frequency 256 Hz. A piece of rubber pad of70 mm x 50 mm x 8 mm	- To show that sound is produced by vibrating objects	2

9	Measuring cylinder (1)	Plastic, transparent with built-in base, 100 mL, graduation 1 ml.	- To measure volume of liquids during experiments - As a container	2
10	Pasteur Pipette (4)	Low Density Poly Ethylene (LDPE), capacity 03 ml.	- General use for transferring of liquids - Electrolysis of water for collecting gases	8
11	Syringe Pump (1)	Poly carbonate syringe pump, overall size with piston 2001mn.andouter dia. 30mm.	To study the force of reaction	2
12	Magnet	-Disc magnet (ferrite) (dia. 45 mm, thickness 10 mm) (1) -Bar magnet (alnico) (5cm ×1cm × 0.8cm) (2) -Horse shoe magnet (5 cm × 1.5 cm) (1) - Cylindrical magnet (dia 1 cm × 2 cm)	- To show that the attraction for iron is intense at end but poor at middle - To show existence of poles - To show freely suspended magnets always point N-S direction - To show attraction of opposite poles and repulsion of similar poles - To show existence of magnetic field	2
13	Slinky (1)	Steel Wire Spiral roll, outer dia 52 1mn and close size 68 mm to 70 mm.	- To show longitudinal and transverse waves	2
14	Circuit Board assembly with Torch bulb 1.5V	Complete base of plastic, battery holder, bulb holder with switch, banana sockets and lower side all joined with Patti and copper wire. Two bulbs extra	- To illustrate essential components of simple circuit. - To show make and break of circuit. - To show how electricity can be used to do work. - To show electromagnet.	2
15	Tripod Stand	Height 100mm cast iron top 7x7x7cm triangle, legs dia. 4mm.	- Used as stand for various experiments including heating liquids in beaker.	2
16	Laboratory Stand Plastic Vice and Boss head and clamp Qty. 1 each	MS rod dia 10 mm x 375 mm long, MS base, CI Boss head, G clamp and V-type clamp.	- A collapsible stand / arrangement for performing various experiments.	2
17	Plastic funnel	Plastic, transparent top dia, 90/100 mm. x overall length 140/160 mm.	For pouring liquids into container. - To show filtration.	2
18	Stainless Steel electrodes with cork 1 each	Dia. 2mm. x 801mn stainless steel electrodes fitted in the cork. Cork size top dia 25mm. x dia.17 taper x 25mm. length, (to fit with item No. 81 bell jar).	- To study the conductivity of the ionic compound solution, electrolysis of water, etc	2
19	spirit lamp	Steel body along with brais wick holder dia. 65rim, height 50mm	A spirit lamp is a small heat source that uses alcohol-based fuel (such as ethanol or methanol) for burning. It is commonly used in laboratories, classrooms, and sometimes for small-scale heating needs.	2
20	Test Tube Stand (4)	Acrylic Plastic moulded size 100 1mn x 27 mm x 20 mm, 04 blind	- To hold test tubes while reactions happen in them or while they are not	8

		holes to hold Micro Test Tubes dia. 10mm, depth of hole 15mm.	needed	
21	Trolley (2)	4mm corrugated sheet 601mn x 120mm fixed with same size steel sheet attached with four wheels of dia. 30 mm. with spring	- Used for studying the force of friction	4
22	China dish (1)	Outer diameter 70mm/751mn.	- Heating of chemical during experiment - As container	2
23	Wash bottle (1)	LDPE, capacity 125 mL good quality	- For contain water to wash the apparatus	2
GENERAL ITEMS (Category - B)				
1	Rubber bands (assorted size) (10)	5 bigger size and 5 smaller sizes. Assorted size.	- Miscellaneous use	20
2	Rubber balloons (assorted size) (10)	5 bigger size and 5 smaller sizes. Assorted size.	- To show that sound can travel in water - Used as diaphragm in experiment to show inspiration and expiration - Miscellaneous use	20
3	Calorimeter (1)	Borosilicate glass, 50 mL capacity, beaker fitted 1ll Low Density Poly Ethylene (LOPE) foam sheet.	LPPE foam container in which 50 50 mL beaker is placed Used for thermochemical experiment	2
4	Forceps (1)	Stainless steel, length 100 mm.	- For picking and holding the objects while experimenting	2
5	Rubber corks (1)	Standard, arm bed, size nos. 2, 3, 4, 5 and 6.	- Miscellaneous use	2
6	Cell Holder (2)	18650 x 2 Cell Battery Holder for Cell Lithium Battery Holder Box with Wire Leads (Double Slot)	- For holding 1.5 V dry cells	4
7	Test tube brush (1)	Soft hairs.	- For cleaning glassware's	2
8	Test Tube Holder (1)	Wooden handle, Length 200 mm to hold the test tubes up to 10 mm dia. plated.	- To hold test tube while performing (experiments) - Heating chemicals during experiments	2
9	Plane mirror strips (3)	"Good quality, 150mm x30 mm x2nun A small plastic block with slit to hold mirror strip"	- For preparing Kaleidoscope	6
10	Copper strip (4)	80 mm x 5mm x 1 mm	- Cu as electrodes for electrolysis	8
11	Zn Strip (4)	80 mm x 5mm x 1 mm	- As a electrode	8
12	Iron strip (4)	80 mm x 5mm x 1 mm	- To differentiate materials on the basis of the colour, strength etc	8
13	Sand paper of different numbers (each)	Standard, 60 and 120 nos.	General use	4
14	Connecting wire banana plugs	Soft electric wire 200 mm length both ends fitted with banana plug.	- As connectors during various electrical experiment	2

		Two red and two black.		
15	Transparent stiff plastic tube (1)	Dia. 6 mm x 500 mm length	- To show that in uniform motion distance covered in equal time interval	2
16	Dropper (2)	Borosilicate glass, length 100 mm, capillary length 20 mm, diameter 06 mm.	- To transfer drops of chemicals	4
17	Copper Wire bent in U-form (1)	Dia. 1mm. copper wire U bent 30mm x 35 mm height and both corners bent 6mmin 90°	- To show the force experienced by it when placed in a magnetic field	2
18	Constantan Wire (50 cm)	26 SWG 50cm approx. length	- To study electrical resistance	2
19	Copper Wire (50 cm)	100cm long, thickness 24 SWG	- To study electrical resistance	2
20	Nichrome Wire (50 cm)	"SWG-24-length 50cm, SWG-26-length 100cm, SWG-28-length 50cm"	- To study electrical resistance	2
21	Transparent PVC tubing (50 cm)	Dia 22 mm, thickness 02 mm, 50 cm long, with stoppers at both ends.	- General use	2
22	Filter paper (10 Nos.)	Ordinary. Circular of dia. 100 mm	- Used for filtering the substances or product of a chemical reaction or in chromatography, etc.	20
23	Circular Coil (1)	Plastic circular case of dia. 150mm, inner dia. 100mm with four terminal coverings with coated aluminium wire 26 SWG. 0-100-200-500 turns.	- Used for showing the magnetic field and mutual induction	2
24	Steel ball (1)	Steel Ball with a hook, diameter 18-20 mm	- To show experiments on friction (rolling) - To show oscillating motion - To show time period of simple pendulum	2
25	Pith/Plastic ball	Dia. 12 mm, solid, hole throughout centre .5mm.	- Used for general purpose	2
26	Yo-Yo (1)	X shaped plastic wheel dia. 116mm 40142mm fitted with 1.5m nylon thread.	- To show transfer of energy	2
27	Mirror/lens stand (1)	Plastic mirror stands 120mm x 30mm x 7 5 mm. height with base.	- For holding the lens and spherical mirror	2
28	Spatula (1)	Stainless steel. 100mm approx. length	- For transferring the solid chemicals	2
29	Wooden Ice Cream spoon (1)	Good quality Wooden.	- Used for general purpose	2
30	Plug Key (1)	One way plug key (Brass), base 80 mm x 55 mm.	- Used as switch in the electrical circuit	2
31	Well Plate (1)	Polystyrene (PS) with 96 wells.	- Used as stand for keeping chemicals in small bottles	2
32	Blotting Paper (1)	100 mm x 100 mm	- General use	2

34	Kit Box (1)	Main Body of 26 SWG and partitions of tin sheet. Doors will be fitted 15 mm above the ground level with main body. Right hand door and left-hand door should have two racks. The rack partition should have guides (as per sample) The doors should have suitable piano hinges duly spot welded/riveted etc. with main body. Provision for locking system (as per sample) & two folding type handles 6 mm dia for carrying box. Provision for supporting rest for hanging doors to be made as per sample. All over box size 470 x 450 x 280mm.	- Used for keeping all the kit items	2
35	Dispensing bottles (30)	Low Density Poly Ethylene (LDPE), Capacity 15 mL, with screw type cap and nozzle.	- For Keeping the chemical reagents	60
36	Vials (20)	High Density Poly Ethylene (HOPE), height 55 mm, diameter 15 mm.	- For storing the solid chemicals	40
37	Crocodile Clips (5 sets)	Clips 50 mm, Plated, standard flexible wire 76, 50 cm long. Each set having two wires.	- Used as connectors during various electrical experiments	10
38	Multi-metre (1 set)	Pocket size, digital, high impedance	- Electrical experiments	1
TOOLS ITEM				
1	Pair of tongs (1)	Dia. 05 1mn, overall length 160 mm, chrome plated.	- For holding glass rod, test tube etc. during experiments	2
2	Surgical Scissor (1)	125 standards. mm, one prong blunt and other pointed	- Used for cutting thin metal/ plastic foil - For pruning plants etc	2
3	Screw driver (1)	Dia 6mmxl00 mm long, hardened, with, plastic handle	- Used for screwing /unscrewing	2
4	Dissecting Needles (2)	Standard, length 120 mm, with plastic handle.	- To point out different parts of biological specimen - To pierce paper or any other such item	4
5	Claw hammer (1)	Forged, approximate weight 225 gm with wooden handle.	- To remove inserted nails - For inserting nails in table/wall - For breaking solid chemical - To feel hardness/softness of metal - To show simple lever	2
GLASS APPARATUS AND MATERIALS				
1	Capillary tube 1 box	Soda glass. dia. 1.5 mm x 100mm.	- For boiling point determination	2
2	Micro test tube 4 mL (16 Nos)	Borosilicate glass, dia 10 x 45 mm height with rim,	- For experiments requiring heating, holding of chemical etc.	32

3	Magnifying glass (1 No)	Optical glass, focal length 120 mm, with plastic handle.	- Used to show magnification - To study structure of various chemical, granules etc.	2
4	Beakers 10ml. (4) 50 mL (1)	Borosilicate glass, capacity 50 mL, height 56 mm, clia 42 mm. with rim.	- As container for use in electro-chemical experiments, thermo-chemistry, preparation of salts, etc.	8
5	Slide (5 Nos)	Hydra, Amoeba, Paramecium, Striated muscles, Nerve cell, Spirogyra (Packed in plastic slide box)	- For keeping the specimen to view under the microscope.	10
6	Plastic Petridish (1 No)	Plastic petri clish, white, outer dia. 110mm x 25127mm depth	- As container	2
7	Cover slips (20 Nos)	Thickness 0.2 mm - 0.3 mm approx. square glass pieces.	- For covering specimen that is being observed under a microscope	40
8	Glass Rod (1 No)	Length 150 mm, clia. 07 mm.	- As stirrer for hot and cold liquids.	2
9	Bell Jar (1 No)	Borosilicate 3.5 mm thick glass, neck inside dia. 18/ 1 9 1mn x 20/22 mm height. Overall length 85/95 1mn x inside clia. 55 mm with rim cliameter 62/64 mm	- To show function of lungs - Distillation of water with solar energy - To show electrolysis.	2
10	Glass tube (1 No)	Glass tube dia. 6mm. x 150 mm.	- For miscellaneous use in chemistry experiment	2
11	Glazed glass plate (1 No)	Glass plate size 100 mm x 100 mm x 2.5 mm.	- To mix chemicals (dry or paste type) during experiments	2
12	W-tube (4 Nos)	Borosilicate glass, 2 mm thick x 8 mm dia. having length of arm 70-75 mm with wide mouth in one arm.	- To test properties of gases	8
13	Watch glass (1 No)	Soda glass, dia 50 mm	- To hold solids when being weighed or transported	2
14	Stirrer (1)	Soda glass, dia 50 mm	- Used for stirring in the calorimeter	2
15	Measuring flask (1)	25mL capacity	- To prepare the exact volume of liquids	22
16	Conical flask	borosilicate glass of capacity 25 ml.	- Used for titration	2
17	Ignition tube (10)	Soda glass, dia 05 mm, length 40 mm	- For boiling point determination	20
18	Blade (1)	One Packet Having 5 blades	- For cutting wax, semisolid chemical, pruning of plants etc	2
19	Concave and Convex Lens (FL 20 cm, dia 50 mm) (1 each)	Glass, Focal length 20 cm and dia. 50 mm.	- Used to show the image formation on a screen	2
20	Concave and Convex mirror	Glass Focal Length 20 cm and dia. 50 mm.	- Used to show the image formation on a screen	2
21	Plane mirror (dia 50 mm) (1)	2 mm x 50 mm Dia. Round edges.	- Used to the image formation	2
22	(a) Glass slab (b) Glass triangular prism (1 each)	Square glass slab, size 50 mm x 50 mm x 12 mm thick. Glass Prism 25/28 nun of	- To study refraction of light through slab and prism	2

		equilateral triangles		
23	Thermometer Laboratory (0 to 250) (1)	Glass, alcohol filled, -100 C to 110° C, graduation 1 ° C with card board/plastic cover and cotton at both ends.	- For measuring temperature of hot and cold liquids, soil, water etc	2
FURNITURE				
1	Table	36 x 24 x 30 inch, - The Support Frame of the table shall be made of 25mm x 0.6mm square MS pipe. - The top shall be made of 17+- 1 mm thick prelaminated particle board with open sides duly sealed - One drawer on right hand side. - The support frame should be duly painted and shoes shall be provided at the bottom.	4	
2	Steel Rack	Rack steel 6ft x 3ft x 1.25ft	2	
3	Stools	MS Frame & Cushion base, 15D x 10W x 12H Centimetres	20	

Solution 5: Equipment for Physics, Chemistry, and Biology Labs

This solution ensures the supply of essential subject-specific lab equipment and consumables that support experiential learning, concept reinforcement, and student engagement in science education. The successful bidder shall deliver all subject-specific equipment, reagents, and manuals in secure, labelled packages, ensuring alignment with curriculum-based lab activities. The program supports experiential learning in core science subjects through lab equipment that enables students to conduct curriculum-based experiments and develop scientific reasoning. Subject-specific lab kits will be supplied to five schools, covering curriculum-aligned materials for Physics, Chemistry, and Biology. Kits include telescope, models, kits and safety gear. Inspectorate-based delivery will be provided.

The major components factored for the solution are listed below:

i. Procurement and delivery of subject-specific kits, lab instruments, and glassware.
ii. Safety packaging and labelling of all chemicals and instruments.
iii. Inspectorate-wise delivery certificates of items must be submitted as documentary evidence.

Equipment for Physics, Chemistry & Biology Lab for 5 schools			
S. No.	**Equipment**	**Specification**	**Unit**
1	Solar Telescope	Type: Dedicated solar telescope for safe observation of the Sun -Aperture: 60 mm or larger for adequate resolution -Filters: Solar filters (such as hydrogen alpha or white light) for safe viewing - Mount: Equatorial or alt-azimuth mount for tracking the Sun	5
2	Spectroscope	Type: Grating or prism spectroscope Wavelength: Suitable for visible light (400-700 nm) or extended range Dispersion: Sufficient dispersion for analysis of spectral lines Mount: Can be handheld or attached to a telescope	5

3	Weight on other planets	A device or set of models showing how weight varies on different planets due to gravitational differences.	5
4	Solar Lunar Eclipse Model	A model or kit demonstrating the mechanics of solar and lunar eclipses.	5
5	Space facts posters	Educational posters featuring interesting facts about space, planets, stars, and other celestial bodies.	5
6	Multipurpose battery eliminator	A device used to replace batteries with a constant power supply, suitable for various electronic kits.	5
7	Electroplating Machine Working Model	Kit for making a miniature electroplating unit to see: 1. Copper deposition on iron nail 2. Real life application of electroplating with the help of this hands-on kit, assimilate an elementary understanding of the Chemical effects of Electric Current. With this kit, kids will create their own battery with the help of water, salt (thus acting as an electrolyte) and two diodes to light a bulb! Next, kids will learn about the effect of electroplating: the deposition of one diode's metal on the other! With the help of an apparatus similar to the first experiment, use Copper Sulphate in water as an electrolyte, and connect all kinds of objects in the place of the cathode: use an iron nail, wooden stick, iron sheet and aluminium sheet and sit back and observe the fascinating chemical reaction that occurs!	5
8	Inorganic / Organic Chemistry Molecular Models	Material: PP Plastic, Total number of pieces: 151, Diameter for the balls: 23mm, With Box & Includes Manual Kit Content: 24 hydrogens, 14 carbon, 8 oxygen, 3 nitrogen's, 2 sulphur, 2 phosphorus, 6 halogens, 8 metal, 4brown, 3 lone pair 2D paddles (beige) Links: 40 medium(grey), 6 medium (purple), 16 long flexible (grey).	5
9	Water Quality Checker Models	- Water Quality Checker Science Working Model for Chemistry to Check Salt Impurities in Water - Product Dimension: 29 x 20 x 2 cm; 250 Grams - Battery: 1 x 9V (Included) [Variable 3-4cm]	5
10	Bio-gas Plant model	The model shows demonstration working of bio-gas plant Biogas can be produced from raw materials such as agricultural waste, manure, municipal waste, plant material, sewage, green waste or food waste. Biogas is renewable energy source. It can also be used in a gas engine to convert the energy in the gas into electricity and heat. HOW IT WORKS: Biogas systems make use of a relatively simple, well-known, and mature technology. The main part of a biogas system is a large tank, or digester. Inside this tank, bacteria convert organic waste into methane gas through the process of anaerobic digestion. 30 x 23 x 4.5 cm; 650-750 gram.	5
11	Laser ray optics kit	LIGHT AND OPTICS: Class Demo Kit - Experience the concepts of lenses | 12 Acrylic Lenses, Ray Box with 3 beams of light in 2 colours - Green and White, Practice Sheets	5
12	Atomic structure Model	Circular Atomics structure model with 30 proton, 30 neutron, and 30 electron pieces. Atom Model allows students to use their hands, touch, feel, make their own atoms, isotopes or ions and learn the concepts in an interesting and easy manner. Model a single atom with the top. Atom model with magnetic subatomic particle pieces demonstrates atoms, isotopes, and ions for students studying chemistry concepts. Plastic for durability and ease of cleaning. Storage - Plastic Box Dimension - 24 x 36 x 7 cm	5
13	Fleming Left Hand Rule	Fleming Left Hand Rule	5

14	Law of resistance kit	To verify the laws of combination.	5
15	Solar Telescope	Type: Dedicated solar telescope for safe observation of the Sun -Aperture: 60 mm or larger for adequate resolution -Filters: Solar filters (such as hydrogen alpha or white light) for safe viewing -Mount: Equatorial or alt-azimuth mount for tracking the Sun	5

Solution 6: Safety & Security Equipment

This solution ensures the provision of fire safety systems, emergency response kits, and health supplies in compliance with safety regulations to promote a secure and disaster-resilient school environment. The successful bidder shall supply fire safety equipment, first aid kits, and emergency signage with certification of standards compliance.
The program aims to ensure a secure school environment by equipping campuses with essential fire safety infrastructure that promotes emergency preparedness, health, and well-being. In 27 schools, fire safety equipment including extinguishers, smoke detectors, alarms, and emergency signage will be supplied. Additionally, 4218 fire extinguishers will be supplied. First-aid kits and training materials for emergency response will be provided, with delivery tracking and maintenance guidance.

The major components factored for the solution are listed below:

i. Supply of fire extinguishers, alarms, signage, and first-aid kits.
ii. Equipment must comply with national safety standards.
iii. Training materials for fire drills and emergency response to be provided.
iv. School-wise delivery certificates of items must be submitted as documentary evidence.

Fund for Safety & Security - Equipment for 27 schools			
S. No.	**Item**	**Specification**	**Qty**
1	CCTV Cameras	Minimum 1080p HD or 4K for high clarity	5
2	DVR/NVR	-channel, 1080p resolution, 1TB storage, H.264 compression, remote viewing	1
3	Fire Extinguishers (ABC Type)	Powder Type Fire Extinguisher 2KG	5
4	First Aid Kits	Basic contents like bandages, antiseptic wipes, gloves	2
5	Emergency Exit Signage	Illuminated, 12” x 9” size	12

Safety and Security for 4218 schools			
S. No.	**Item**	**Specification**	**Qty**
1	Fire Extinguishers	Powder Type Fire Extinguisher 2KG	1

Solution 7: Capacity Building of STEM Teachers

This solution ensures high-quality training and continuous professional development for STEM educators to implement innovative pedagogies, aligned with emerging technologies and experiential learning goals. The successful bidder shall conduct comprehensive training sessions with structured modules and manuals. The program intends to enhance instructional quality by training STEM teachers in modern pedagogies, emerging technologies, and project-based learning approaches that foster student innovation. 150 STEM teachers will undergo a 4-day centralized training focusing on robotics, coding, project-based learning, and STEM pedagogy. The program includes LMS integration, post-training refresher sessions, and continuous support through mentoring and helpdesk.

The major components factored for the solution are listed below:

i. Development and delivery of training modules on STEM pedagogy, robotics, and coding.
ii. 4-day centralized offline training followed by quarterly refresher courses.
iii. Online access to LMS-based resources, assessments, and assignments.
iv. Teacher participation to be tracked with attendance.
v. The school authorities will be responsible for ensuring the participation of teachers in the sessions.
vi. Continuous mentoring support and helpdesk services post-training.

Capacity Building of STEM Teachers for 150 Teacher				
4 Days - Training Schedule (6 hrs/day)				
Day	**Topic**	**Duration (Hours)**	**Sub-Topic**	**Concepts Covered**
1	Science	6	Solar & Lunar Eclipse	Celestial alignment, shadow formation, and phases of the moon
	Science		Human Body Parts and Structure	Anatomy, organ systems, and body functions
	Science		Newton's First & Second Laws	Force, motion, inertia, and acceleration
	Environmental Science		Bio-Gas Plant Model	Energy conversion, renewable energy, and sustainability
	Science		Periodic Table Chart	Elements, groups, and periodic properties
2	Science	6	Law of Resistance	Ohm's Law, resistance, current, and voltage
	Science		Thermal Expansion	Heat effects on materials, expansion, and contraction
	Science		Water Quality Checker	Water purity, contamination, and testing methods
	Engineering		Automobile Mechanics	Mechanical systems, vehicle components, and motion
	Science		Inorganic/Organic Molecular Models	Chemical bonds, molecular structures, and compounds
3	Technology	6	Robotics Learning	Basics of robotics, mechanics, and programming
	Technology		Drone Technology	Flight mechanics, aerodynamics, and stability
	Technology		DIY Sound Speaker	Sound waves, vibrations, and amplification

	Technology		3D Pen with Filaments	3D design, creativity, and prototype building
	Technology		Solar Car	Solar energy, renewable energy, and mechanics
4	STEM	6	Agri-Tech & Drip Irrigation	Sustainable farming, water resource management
	STEM		Bio-Medical Applications	Healthcare tools, bioengineering basics
	Science		Fleming's Left-Hand Rule	Electromagnetic force and direction
	Science		Electroplating Machine	Chemical processes, coating, and conductivity
	Astronomy		Telescope Assembly	Optics, celestial observation, and astronomy

Solution 8: Capacity Building of Head Teachers

This solution ensures structured training for head teachers to strengthen school leadership, governance, and inclusive management practices, in alignment with educational reform priorities. The successful bidder shall conduct comprehensive training sessions with structured modules and manuals. The program supports school leadership development by equipping head teachers with the tools, strategies, and digital skills necessary to drive academic improvement and inclusive school governance.55 Head Teachers will receive 4-day centralized training on school leadership, curriculum planning, inclusive education, and digital governance. The training will be supported by digital materials, interactive workshops, and follow-up through online platforms. Attendance and feedback will be tracked.

The major components factored for the solution are listed below:

i. Design and implementation of leadership training modules including school management, curriculum planning, and teacher mentoring.
ii. 4-day centralized training with workshops and peer learning sessions.
iii. Provision of manuals, policy frameworks, and digital tools for school governance. Submission of attendance and feedback forms.
iv. The school authorities will be responsible for ensuring the participation of students and teachers in the sessions.
v. Continuous support through online knowledge-sharing platforms.

Capacity building- Head teachers for 55 Teachers				
4 Days - Training Schedule (6 hrs/day)				
Day	**Session Title**	**Content Outline**	**Learning Objectives**	**Activities/Methods**
1	**Introduction to Schools as Learning Organizations**	- Overview of schools as learning organizations. - Theoretical foundations of learning organizations. - Importance of a shared vision.	- Understand the concept of schools as learning organizations. - Learn about the role of head teachers in fostering learning environments.	- Group discussion: What makes a school a learning organization? - Reflective journaling on personal leadership in schools.

	Building Reflective Mindsets in Schools	- Personal mastery for teachers. - Developing reflective practices. - Mental models and their impact on school culture.	- Encourage reflective thinking in personal and professional life. - Identify and challenge mental models that affect teaching practices.	- Pair work: Share and challenge each other's mental models. - Case study discussion: Examining a scenario through reflective practice.
2	**Promoting Team Learning**	- Importance of team learning in school settings. - Facilitating collaboration among teachers and staff. - System thinking approach.	- Understand the role of team learning in school improvement. - Learn how to promote collaboration among staff.	- Team-building activities to encourage collaboration. - Group work: Identifying ways to improve team learning in their schools.
	Establishing a Culture of Reflection	- Strategies for reflective dialogue and collaborative inquiry. - Creating opportunities for shared reflections.	- Learn to foster a reflective culture within the school. - Practice reflective inquiry as a team-building tool.	- Peer observation and feedback sessions. - Role play: How to create an environment for effective reflection in the school.
3	**School Leadership for Learning**	- Leadership's role in transforming schools. - Shared leadership and distributed leadership models. - Aligning school goals with vision.	- Understand how leadership can drive school transformation. - Align leadership goals with learning outcomes.	- Discussion: Key attributes of successful school leaders. - Action planning: How will they apply leadership skills to enhance school learning?
	Collaborative Inquiry for School Improvement	- Using inquiry-based learning for school improvement. - Creating actionable plans based on collective inquiry.	- Use inquiry to identify key areas of improvement in their schools. - Learn how to structure school improvement initiatives.	- Action research: Develop a question-based inquiry plan for their schools. - Group discussions on challenges in the inquiry process.
4	**Sustaining Learning Communities**	- Creating sustainable learning communities. - Challenges and strategies for long-term success. - Nurturing continuous improvement.	- Identify strategies for sustaining professional learning communities. - Create actionable steps for sustaining the PLC.	- Group activity: Design a sustainable plan for their schools. - Reflection: Personal commitments for ongoing learning.
	Evaluation and Feedback Mechanisms	- How to evaluate teaching and learning effectiveness. - Using feedback to drive school improvement. - Engaging the community in feedback.	- Learn how to set up effective evaluation systems. - Use feedback for continuous improvement.	- Role play: Conducting a feedback session with staff. - Develop evaluation metrics for their school's learning and development processes.

Solution 9: Mental Health Literacy & Counselling in Schools

This solution ensures the establishment of structured mental health support systems through trained personnel, awareness sessions, and digital tools, promoting emotional well-being and safe learning spaces. The successful bidder shall deploy trained counsellors and conduct structured sessions as per program scope. The program aims to foster emotionally supportive school ecosystems by promoting mental health awareness, early intervention, and accessible counselling support for students and staff. Implemented in 27 schools, this program includes training of two teachers per school, deployment of six counsellors, and establishment of counselling spaces. Activities include awareness sessions, one-on-one counselling, peer support programs, and digital wellness tools. A 3-month follow-up and reporting mechanism will be maintained.

The major components factored for the solution are listed below:

i. Deployment of trained counsellors across identified schools for student support.
ii. Two-day centralized mental health awareness training for selected teachers.
iii. The school authorities will be responsible for ensuring the participation of students and teachers in the sessions.
iv. Regular updates and progress reports to be shared with Samagra Shiksha for monitoring and review.

Mental Health Literacy & Counselling in 27 Schools				
2 Days - Training Schedule (6 hrs/day)				
Day	**Session**	**Duration (Hours)**	**Objective**	**Activities**
1	Understanding Mental Health & Emotional Well-Being	6	Build awareness of mental health, reduce stigma, and teach stress management techniques.	Mental health myth-busting, mindfulness exercises, self-reflection discussions
	Coping Strategies & Emotional Resilience		Teach students healthy coping mechanisms and emotional regulation techniques.	Breathing exercises, gratitude journaling, sharing personal coping strategies
	Literacy, Communication & Self-Expression		Strengthen literacy, encourage self-expression, and build communication confidence.	Group discussions on reading/writing, storytelling, role-play communication scenarios
2	Building Healthy Peer Relationships	6	Foster empathy, trust, and conflict resolution skills among students.	Empathy exercises, trust-building games, conflict resolution role-plays
	Balancing Mental Health & Academic Success		Equip students with strategies for handling academic pressure and fostering self-care.	Stress mapping, goal-setting discussions, creating self-care plans
	Personal Growth & Long-Term Well-Being		Help students create a vision for personal and academic growth, emphasizing long-term well-being.	Vision board creation (verbal/visual), self-reflection discussions, sharing future goals
A team of six mentors will be assigned, with each mentor responsible for facilitating training in 4- 5 schools. Following the training, ongoing support will be provided for a period of three months to ensure sustained student progress and well-being.				

Solution 10: ECCE & Pre-Primary Kits

This solution ensures the delivery of contextually relevant and age-appropriate learning materials that support play-based, holistic learning aligned with ECCE and NIPUN Bharat guidelines. The successful bidder shall deliver complete, age-appropriate learning kits with storybooks, puzzles and kits securely packaged and labelled per class and learning domain. The program supports foundational learning through play-based, culturally relevant materials that encourage early literacy, numeracy, creativity, and language development in pre-primary children. ECCE & pre-primary kits will be distributed in various schools of Tripura under PM Shri. Kits will include storybooks, puzzles, puppets, and sensory play.

The major components factored for the solution are listed below:

i. Procurement and distribution of ECCE kits containing storybooks, puzzles, and play-based learning aids.
ii. Inspectorate-wise delivery certificates of items must be submitted as documentary evidence.

ECCE Kits for 27 Schools				
S. No.	**Category**	**Item**	**Specification**	**Units**
1	Learning Materials	Alphabet & Number Flashcards	Laminated, colorful (A5 size)	1 Set
		Storybooks (Picture & Interactive)	Board books, simple words, colorful	2 Books
		Wooden Puzzle Set	Alphabet, numbers, shapes	1 Set
		Educational Posters	Colors, Shapes, Body Parts, Animals	4 Posters
		Counting Beads Set	Wooden, multi-coloured	1 Set
2	Sensory Play Items	Kinetic Sand Set	1 kg, non-toxic, includes molds	1 Set
		Textured Sensory Balls	Rubberized, safe for toddlers	1 Set (5 Balls)
3	Fine & Gross Motor Skills	Building Blocks	50-piece, BPA-free plastic	1 Set
		Stacking Rings	Wooden, safe paint	1 Set
		Lacing Beads	Wooden, thread & large beads	1 Set
4	Creativity & Expression	Crayons & Colouring Book	Non-toxic, 24 colours, thick grip	1 Set
		Clay & Moulding Set	Non-toxic, assorted colours, tools	1 Set
		Mini Musical Instrument	Xylophone or small drum	1 Piece
5	Hygiene & Health	Handwashing Chart	Laminated, step-by-step guide	1 Piece
		First Aid Kit	Bandages, antiseptic wipes, cream	1 Kit
		Soft Towels & Handkerchiefs	Cotton, child-friendly prints	2 Pieces
6	Emotional & Social Learning	Emotion Flashcards	10 emotions with illustrations	1 Set
		Soft Dolls (Multicultural)	Plush, child-safe fabric	1 Piece
		Role-Playing Toy Set	Doctor set, kitchen set, etc.	1 Set

7	Packaging & Miscellaneous	Instruction Manual for Parents	Printed booklet with activity ideas	1 Booklet

Support to Pre Primary Recruiting (Kit) for 84 schools				
S. No.	**Category**	**Item**	**Specification**	**Units**
1	Learning Materials	Alphabet & Number Flashcards	Laminated, colourful (A5 size)	2 Set
		Storybooks (Picture & Interactive)	Board books, simple words, colourful	4 Books
		Wooden Puzzle Set	Alphabet, numbers, shapes	2 Set
		Educational Posters	Colours, Shapes, Body Parts, Animals	8 Posters
		Counting Beads Set	Wooden, multi-coloured	2 Set
2	Sensory Play Items	Kinetic Sand Set	1 kg, non-toxic, includes moulds	2 Set
		Textured Sensory Balls	Rubberized, safe for toddlers	2 Set (10 Balls)
3	Fine & Gross Motor Skills	Building Blocks	50-piece, BPA-free plastic	2 Set
		Stacking Rings	Wooden, safe paint	2 Set
		Lacing Beads	Wooden, thread & large beads	2 Set
4	Creativity & Expression	Crayons & Colouring Book	Non-toxic, 24 colours, thick grip	2 Set
		Clay & Moulding Set	Non-toxic, assorted colours, tools	2 Set
		Mini Musical Instrument	Xylophone or small drum	2 Piece
5	Hygiene & Health	Handwashing Chart	Laminated, step-by-step guide	2 Piece
		First Aid Kit	Bandages, antiseptic wipes, cream	2 Kit
		Soft Towels & Handkerchiefs	Cotton, child-friendly prints	4 Pieces
6	Emotional & Social Learning	Emotion Flashcards	10 emotions with illustrations	4 Set
		Soft Dolls (Multicultural)	Plush, child-safe fabric	2 Pieces
		Role-Playing Toy Set	Doctor set, kitchen set, etc.	4 Set
7	Packaging & Miscellaneous	Sturdy Storage Box	Plastic/Wooden with compartments	2 Box
		Instruction Manual for Parents	Printed booklet with activity ideas	1 Booklet
Support to Pre Primary Additional Grant (Kit) for 84 schools				
S. No.	**Category**	**Item**	**Specification**	**Units**
1	Learning Materials	Alphabet & Number Flashcards	Laminated, colourful (A5 size)	2 Set
		Storybooks (Picture & Interactive)	Board books, simple words, colourful	4 Books

		Wooden Puzzle Set	Alphabet, numbers, shapes	1 Set
		Educational Posters	Colours, Shapes, Body Parts, Animals	8 Posters
		Counting Beads Set	Wooden, multi-coloured	1 Set
2	Sensory Play Items	Kinetic Sand Set	1 kg, non-toxic, includes moulds	1 Set
		Textured Sensory Balls	Rubberized, safe for toddlers	1 Set (5Balls)
3	Fine & Gross Motor Skills	Building Blocks	50-piece, BPA-free plastic	2 Set
		Stacking Rings	Wooden, safe paint	1 Set
		Lacing Beads	Wooden, thread & large beads	2 Set
4	Creativity & Expression	Crayons & Colouring Book	Non-toxic, 24 colours, thick grip	2 Set
		Clay &Moulding Set	Non-toxic, assorted colours, tools	2 Set
		Mini Musical Instrument	Xylophone or small drum	1 Piece
5	Hygiene & Health	Handwashing Chart	Laminated, step-by-step guide	2 Piece
		First Aid Kit	Bandages, antiseptic wipes, cream	2 Kit
		Soft Towels & Handkerchiefs	Cotton, child-friendly prints	2 Pieces
6	Emotional & Social Learning	Emotion Flashcards	10 emotions with illustrations	4 Set
		Soft Dolls (Multicultural)	Plush, child-safe fabric	2 Pieces
		Role-Playing Toy Set	Doctor set, kitchen set, etc.	4 Set
7	Packaging & Miscellaneous	Sturdy Storage Box	Plastic/Wooden with compartments	2 Box
		Instruction Manual for Parents	Printed booklet with activity ideas	1 Booklet

Support to Pre Primary for 168 schools				
S. No.	**Category**	**Item**	**Specification**	**Units**
1	Learning Materials	Alphabet & Number Flashcards	Laminated, colourful (A5 size)	2 Set
		Storybooks (Picture & Interactive)	Board books, simple words, colourful	4 Books
		Wooden Puzzle Set	Alphabet, numbers, shapes	2 Set
		Educational Posters	Colours, Shapes, Body Parts, Animals	8 Posters
		Counting Beads Set	Wooden, multi-coloured	2 Set
2	Sensory Play Items	Kinetic Sand Set	1 kg, non-toxic, includes moulds	1 Set
		Textured Sensory Balls	Rubberized, safe for toddlers	2 Set (10 Balls)
3	Fine & Gross Motor	Building Blocks	50-piece, BPA-free plastic	2 Set

	Skills	Stacking Rings	Wooden, safe paint	2 Set
		Lacing Beads	Wooden, thread & large beads	2 Set
4	Creativity & Expression	Crayons & Colouring Book	Non-toxic, 24 colours, thick grip	2 Set
		Clay &Moulding Set	Non-toxic, assorted colours, tools	2 Set
		Mini Musical Instrument	Xylophone or small drum	1 Piece
5	Hygiene & Health	Handwashing Chart	Laminated, step-by-step guide	2 Piece
		First Aid Kit	Bandages, antiseptic wipes, cream	2 Kit
		Soft Towels & Handkerchiefs	Cotton, child-friendly prints	4 Pieces
6	Emotional & Social Learning	Emotion Flashcards	10 emotions with illustrations	4 Set
		Soft Dolls (Multicultural)	Plush, child-safe fabric	2 Pieces
		Role-Playing Toy Set	Doctor set, kitchen set, etc.	2 Set
7	Packaging & Miscellaneous	Sturdy Storage Box	Plastic/Wooden with compartments	2 Box
		Instruction Manual for Parents	Printed booklet with activity ideas	1 Booklet

Solution 11: Colourful Painted Dustbins

This solution ensures the supply of color-coded dustbins that support environmental awareness, hygiene, and proper waste segregation practices within school premises. The successful bidder shall supply and install color-coded, weatherproof dustbins with clear segregation markings, and ensure transportation and delivery without structural or paint damage. The program promotes environmental awareness and hygiene through visible, color-coded waste bins that reinforce sustainable habits and waste segregation practices among students. 325 color-coded dustbins will be provided across 81 schools to promote waste segregation and hygiene. Each school will receive bins for dry and wet waste with anti-corrosive finishing.

The major components factored for the solution are listed below:

i. Supply of color-coded dustbins for dry and wet waste in designated schools.
ii. Inspectorate-wise delivery will be done.
iii. Submission of photographic evidence and delivery certificates must be submitted as documentary evidence.

Colourful Painted Dustbins for 325 units in 81 Schools			
S. No.	**Item**	**Quantity (Per School)**	**Remarks**
1	Lid Flair Dustbin Green Colour (60 ltrs)	1	For wet/biodegradable waste such as fruit peel, food waste etc
2	Lid Flair Dustbin Blue Colour	1	For dry and recyclable waste such as paper,

	(60 ltrs)		cardboard etc

Solution 12: Desktop Computers

This solution ensures the provision of digital infrastructure including computers with required software to facilitate technology-integrated education and enhance digital literacy among students and teachers. The successful bidder shall supply fully configured desktops with internet-ready setups, securely packaged with manuals and installation guides. The program supports digital education by providing hardware that enables access to e-learning resources, enhances digital literacy, and fosters 21st-century skills in students and teachers. Two desktops will be provided to each of the 81 schools under PM SHRI, equipped with software. These systems will enable digital learning, ICT access, and e-content usage. Setup and helpdesk services will be provided.

The major components factored for the solution are listed below:

i. Procurement and delivery of two desktop computers per school with pre-installed educational software.
ii. Remote and onsite support to address technical issues.
iii. Delivery Certificates with serial number to be submitted.

Desktop Computers- 162 units in 81 Schools		
S. No.	**Parameter**	**Specifications**
1	Form Factor	Tower / Micro Tower more than 20
2	Processor	Intel Core i5 Processor or higher or any equivalent processor
3	Chipset / Motherboard	H610 / B660 Intel Series Motherboard's Manufacturer's logo must be embossed (not sticker) in the motherboard.
4	Storage	512 Nvme M.2 SSD
5	Memory	8 GB DDR4 or higher with upgradeability up-to 64GB or higher
6	Ports	Minimum 2USB 2.0, 2USB 3.2 G1, 1 COMBO PORT,2USB 2.0, 2USB 3.2 G2 1x DP (optional), 1x HDMI,1x VGA, 3 AUDIO PORTS ,1x RJ-45, 4 SATA PORTS or better
7	Expansion Slots	Minimum 1 no. PCIe x16 1 no PCIe x; 2no. Minimum 2nos. M.2 slots
8	Power Supply	250W Internal Power Supply with 85% Efficiency
9	Operating System	Windows 11 Home Factory Preloaded with OEM Declaration
10	OS Support / Drivers	Support for Windows 11 Pro. Quoted model's Hardware Drivers must be available in OEM website for download. Above asked OS certifications for the quoted model are must and must be available in public website., Provide unique Microsoft OS license product key corresponding to each serial number of the product at the time of delivery
11	Security	Discrete TPM 2.0 or better
12	Certification	Quoted model should be certified for RoHS, ENERGY STAR, EPEAT, FCC, Energy Star 8.0, CE, UL, Windows, Linux. OEM should also have ISO 9001, 14001, ISO 20001 and 27001 certifications
13	Input Devices	USB Wired Keyboard with Indian Rupee Symbol; Scroll Mouse (both Same Desktop OEM make)

14	Network interface	Integrated 10/100/1000 MBPS GbE LAN
15	Audio	Integrated HD Audio.
16	Video connectors	1 x VGA, 1 x HDMI 2.0 and 1x Display Port
17	Monitor	21.5" display with Resolution 1600 x 900 (VGA+HDMI) All necessary ports (without convertor) and connectivity to desktop must be provided.
18	Warranty	3 (Three) Years onsite OEM Comprehensive Warranty. OEM Warranty should be visible in the OEM website in respect to each product serial number.

Solution 13: Career Guidance & Counselling for Students'

This solution ensures structured interventions including assessments and mentoring to support informed career planning and decision-making among students, using both physical and digital platforms. The successful bidder shall conduct training workshops and student sessions. The program aims to empower students with the knowledge, tools, and mentorship needed to make informed academic and career choices based on individual strengths and aspirations. In 72 schools, a structured 3-day hybrid career counselling program will be conducted, along with one-day teacher training workshops. Students will undergo psychometric assessments and receive access to digital mentoring platforms and career tools. Progress will be monitored and reported.

The major components factored for the solution are listed below:

i. Implementation of 3-day online counselling sessions and psychometric assessments for students.
ii. One-day orientation workshop for teachers to deliver career guidance.
iii. Provision of access to digital resources, aptitude tests, and mentoring platforms.
iv. Monthly tracking of student engagement and feedback analysis.
v. Teacher participation to be tracked with attendance.
vi. The school authorities will be responsible for ensuring the participation of students and teachers in the sessions.

Guidance & Career Counselling in 47 Schools				
Career Guidance & Counselling of Students in 25 Schools				
3 Days - Counselling Schedule (2 hrs/day)				
Day	**Session**	**Duration (Hours)**	**Objective**	**Activities**
1	Understanding Self & Career Awareness	2	Help students identify their strengths, interests, and career aspirations.	Self-assessment exercises, interest profiling, group discussions on future goals
	Exploring Career Options & Pathways		Introduce various career fields, educational pathways, and job opportunities.	Career research activity, role-play of different professions, peer presentations
2	Skill Development & Goal Setting	2	Teach students essential skills like communication, problem-solving, and decision-making.	SWOT analysis, goal-setting workshops, mock decision-making scenarios

	Academic Planning & Time Management		Guide students on effective study techniques and managing academic pressures.	Time-blocking exercises, study schedule creation, peer-sharing study tips
3	Resume Writing & Interview Preparation	2	Equip students with practical skills for job/internship applications and interviews.	Resume-building activity, mock interviews, feedback sessions
	Creating a Career Action Plan		Help students draft a personalized career roadmap with short- and long-term goals.	Vision board creation, personalized career action plans, group reflections

Solution 14: Curiosity Programme

This solution ensures the implementation of activity-based learning modules and project kits that foster creativity, critical thinking, and inquiry-driven exploration among students. The successful bidder shall supply curiosity kits and learning modules, ensuring inclusion of all materials, tools, and guides. The program fosters inquiry-driven learning through activity kits and hands-on modules that encourage students to explore, question, and solve real-world problems using scientific thinking. Implemented in 80 schools, this program includes the supply of curiosity kits, interactive STEM modules, and activity-based learning aids. Students will explore real-world problems through experiments and guided inquiry.

The major components factored for the solution are listed below:

i. Supply of inquiry-based STEM kits and hands-on learning modules.
ii. Delivery of teacher guides and activity manuals for classroom integration.
iii., Inspectorate level deliveries will be done & delivery certificates must be submitted as documentary evidence.
iv. Support for troubleshooting and usage guidance.

Curiosity Programme in 80 Schools			
S. No.	**Item**	**Specification**	**Qty per set / box**
1	Pythagoras theorem 2	Dimensions: 15.74" * 15.74"	1
		The kit is made of acrylic and comprises 4 right-angled triangles and 1 large square. It measures 16 inches by	
		16 inches and can be displayed on a magnetic board for demonstration purposes.	
2	Magnet Set	An educational magnet set measuring 18.5cm x 6cm x	1
		12.5cm, featuring various magnets such as horseshoe, bar, ring, coin, egg-shaped, and cylinder magnets.	
		Packaged in a box, it facilitates hands-on exploration of magnetic properties.	
3	Magnetic Motion	This kit, measuring 13.5 x 8 x 11.5 centimetres, features a 5"x3" plastic platform with multiple use holes, a	1
		plastic C bracket, a metal rod, a ring magnet, and a 3blade fan (6"). It offers an interactive demonstration	
		where metal snakes placed on either side of the base mimic slithering movements in response to the spinning fan until it halts.	

4	Gravity Car	A kit Compact at 12cm*6cm*20cm, it includes 2.5mm	1
		MDF cut parts, plastic wheels, metal shaft, counter weight, plastic pulley, thread. A Gravity car is a vehicle	
		without a motor that moves because of gravity's force.	
		Its design uses the energy from gravity pulling on the car's weight. This potential energy from gravity gets turned into the energy that moves the car forward.	
5	Floating Plate	This straightforward disk design enables students to collect distance and time data of a balloon-powered hover disk. Gliding on a cushion of air with minimal	1
		friction, the hover disk facilitates the observation and graphing of non-accelerated motion.	
		The Disk should be of Diameter - 150 mm	
		Thickness - 1.7 mm, Centre hole - 5.3 mm, Height of centre cylinder - 18.5 mm	
		The Air Blower should have thickness - 1.1 mm	
		L x B x H - 25 x 14 x 23 mm, OD - 5.1 mm, ID - 3.1.mm	
6	Electroplating Kit	A kit Compact at 18.5cm*6cm*12.5cm, include Copper	1
		Strip, Zinc Strip, Beaker, 9V Battery Snap, Copper	
		Sulphate, Foam Piece. Kit is designed to facilitate the process of electroplating, where metal ions in a solution are deposited onto a conductive surface using an electric current.	
7	Electrolysis of Water	"A kit Compact at 18.5cm*6cm*12.5cm, include Sulphuric Acid, Carbon Rods, Plastic Base, Screw, Wire. Demonstrate the electrolysis process of water and gather hydrogen and oxygen in separate test tubes	1
8	Tangram Puzzles	Dimensions: 4.72" * 4.72"	1
		Tangrams Puzzles consist of seven distinct shapes in 4	
		Colours, including five triangles, a square, and a parallelogram. Within the triangles, there are two large, one medium, and two small triangles, each being a right triangle.	
9	Area of Triangles	Dimensions: 2.95" * 2.95" * 2.95" The set consists of 32 pieces in two colours, and this resource confirms that the ratio of the areas of two similar triangles equals the ratio of the squares of their corresponding sides.	1
10	Parallelogram	Dimensions: 6.69" * 5.11" The set of 6 parallelograms in 6 colours is a highly valuable resource for categorizing parallelograms and exploring properties and theorems associated with them.	1
11	3 D Geometrical Shapes	Dimensions: 5cm Set (A) consists of 12 pieces with lids, while Set (B) comprises 6 pieces with lids. These sets introduce children to solid geometry, enabling them to explore shapes, faces, vertices, edges, curves, and angles using these plastic solids. The large solids in these sets add a tactile dimension to geometry lessons, illustrating relationships between area, volume, shape, and size. Shapes included are cone, cylinder, cube, cuboid, sphere, rectangular prism, square-based pyramid, and more.	1

12	Set of Triangles	This set comprises right triangles in three different dimensions and three different colours. It serves as a resource for understanding and honing the skills of combining triangles to create various shapes, as well as for exploring patterns and tessellations.	1
13	Sum of angles of a quadrilateral	Dimensions: 10.23" * 7.08" This tool comprises a quadrilateral with cutouts of its interior angles, enabling children to explore the angle sum property of quadrilaterals. Additionally, it can be utilized for demonstrations on a magnetic board.	1
14	Fraction Bar	Dimensions: 7.48" * 9.84" A set of 51 colourful fraction bars, ranging from whole to 1/12th, is housed in a plastic box. These solid plastic bars represent wholes, halves, thirds, fourths, fifths, sixths, eighths, tenths, and twelfths. Each bar displays its fractional value on one side and its corresponding percentage on the other. Fraction bars offer an engaging approach to understanding concepts related to fractions and percentages.	1
15	Newton 1st Law	Type: Model Material & Size: Base: Made of durable plastic, 20 cm x 15 cm x 2 cm, Column: Lightweight plastic, 25 cm high, with a 2 cm diameter, Top Platform: Circular plastic platform, 5 cm in diameter, 0.5 cm thick., Ball: 4 cm diameter, made of plastic., Cup: Plastic, 5 cm diameter, 3 cm height. USE: The Newton's First Law model demonstrates inertia, showing that objects remain at rest or in motion unless acted upon by an external force.	1
16	Newton 2nd Law	Type : Model Material &Size: Base: 25 cm x 15 cm x 2 cm, made of plastic or wood, Track/Rail: 50 cm long, made of metal or plastic, Cart: 10 cm x 5 cm x 3 cm, made of plastic or metal., Pulley: 3 cm in diameter, made of metal or plastic., Weights: Metal, in varying sizes (100 g, 200 g, etc.), String: Nylon or cotton, about 50 cm long. USE: The Newton's Second Law model is used to demonstrate how force, mass, and acceleration are related, showing that greater force results in greater acceleration for a given mass	1
17	Newton 3rd Law	Type: Model Material & Size: Base: 20 cm x 10 cm x 2 cm, made of metal. Frame: 15 cm high, 12 cm wide, constructed from stainless steel/aluminium. Spheres: 2 cm diameter each, made of steel, with 5 spheres included. Suspension Strings: 10 cm in length, made of nylon or thin metal wire. USE: The Newton's Third Law model, often a Newton's Cradle, demonstrates the principle that for every action, there's an equal and opposite reaction.	1

Solution 15: PM SHRI Bala

This solution ensures the transformation of school infrastructure into visual learning aids through educational artwork and interactive designs, promoting immersive and joyful learning environments. The successful bidder shall execute infrastructure painting works with educational themes using weather-resistant materials. The program transforms school infrastructure into learning aids by embedding educational content into physical spaces, supporting visual learning and curriculum reinforcement through immersive design. 278 schools will be upgraded with educational artwork painted on walls, floors, and staircases. Themes will include alphabets, numbers, science visuals, and local cultural elements. Execution will ensure use of safe paints and compliance with NEP's joyful learning environment goals.

The major components factored for the solution are listed below:

i. Design and painting of walls, staircases, and floors with educational content.
ii. Themes to include alphabets, numbers, maps, science visuals, etc.
iii. Use of child-safe paints and non-skid floor finishes.
iv. Completion certificates and geo-tagged photographs of completed artwork.
v. Maintenance and touch-up guidelines to be provided.

PM Shri BALA in 84 Schools		
BALA in 194 Schools		
S. No.	**Area**	**Specification**
1	Staircase	We are going to proceed with installing Varna Mala (alphabet charts) along the staircase. This will serve as a visual aid for young students to learn and recognize letters as they ascend and descend, promoting learning through visual engagement.
2	Walls	On the walls, we are going to create awareness or showcase stories about famous scientists. The walls will feature inspirational stories, key achievements, and images of notable scientists to foster curiosity and awareness among students.
3	Corridor	In the corridor walls, we will be displaying interactive learning boards with educational content such as math formulas, inspirational quotes, or periodic updates on various topics that align with the current curriculum. This will provide students with constant learning opportunities throughout the day.

Solution 16: Selfie 3D Model

This solution ensures the installation of branded, durable 3D models that serve as interactive school identity markers, fostering engagement, visibility, and a sense of pride among stakeholders. The successful bidder shall supply self-install durable 3D models as per design, ensuring branding, structural integrity, and resistance to outdoor conditions during transit and installation. The program promotes institutional identity and student engagement through innovative 3D installations that reflect the vision and pride of PM SHRI schools. In 84 schools, PM SHRI-branded 3D selfie models will be installed as identity markers. These will be designed using durable, weather-resistant materials and placed at visible spots to foster pride, community interaction, and school branding. Documentation of installation will be maintained.

The major components factored for the solution are listed below:

1. Fabrication of weather-resistant 3D selfie models with PM SHRI branding.
2. School-specific customization for community engagement.
3. Documentation of delivery certificates from school heads needs to submitted as documentary evidence.

PM Shri Selfie 3D Model in 84 Schools			
S. No.	**Item**	**Theme**	**Qty**
1	Selfie 3D Models	Astronomy with a representation of Prime Minister Modi, highlighting his vision for space exploration and innovation.	1

Solution 17: Sanitary Pads

This solution ensures the supply of sanitary products and hygiene kits for adolescent girls, promoting menstrual health, reducing absenteeism, and ensuring dignity and well-being. The successful bidder shall supply hygienically packaged sanitary pads. All materials must be sealed, labelled, and ready for school-based delivery. The program ensures access to menstrual hygiene products, promoting dignity, health, and uninterrupted learning for adolescent girls through awareness and distribution. Program to distribute sanitary pads to 13,917 adolescent girls in 84 schools. Kits will include sanitary products and disposal guides.

The major components factored for the solution are listed below:

i. Supply of sanitary pads and hygiene kits to adolescent girls across selected schools.
ii. Safe and hygienic packaging with disposal instructions.
iii. School-wise delivery certificates of items must be submitted as documentary evidence.

Sanitary Pad for 13917 Students		
S. No.	**Item**	**Qty**
1	Sanitary Pad	1 packet

Solution 18: Mentoring by Eminent Experts (National & International-Online)

This solution ensures virtual access to expert-led sessions that offer global exposure, specialized knowledge, and inspiration, enhancing academic and professional aspirations of students and teachers. The successful bidder shall ensure timely scheduling and delivery of virtual sessions. The program enhances global exposure and learning by connecting students and teachers with thought leaders across disciplines, fostering critical thinking and academic inspiration. In 82 schools, six-day online sessions (3 hours/day) will be delivered by experts on STEM, leadership, and innovation. Sessions will be recorded, supplemented by digital content, and monitored through LMS. Participation data and feedback reports will be submitted.

The major components factored for the solution are listed below:

i. Delivery of a 6-day series of online mentoring sessions from experts.
ii. Access to recordings, supplementary learning material, and interactive Q&A.

iii. Student and teacher access through a digital platform with tracking.
iv. Feedback collection and documentation of learning outcomes.
v. Regular reporting to Samagra Shiksha with session attendance data.

Mentoring by Eminent Expert - National (Online) for 82 Schools				
6 Days Session (3 hrs/day)				
Day	**Session Title**	**Topics Covered**	**Activity**	**Q&A**
1	Introduction to Competitive Exam Preparation	- Overview of IIT, NEET, and other competitive exams. - Importance of early planning and goal setting. - Key differences between IIT, NEET, and other exams. - Understanding the syllabus and exam pattern for each.	- Group discussion: Why setting goals early matters. - Mapping out the syllabus for each exam and highlighting key topics.	Interactive session to address initial doubts about various exams.
2	Effective Time Management and Study Planning	- The importance of time management in preparation. - How to create a customized study plan. - Balancing school and exam prep. - Using study techniques like Pomodoro, time-blocking, etc.	- Create a personal study timetable for the group based on individual strengths and weaknesses.	Answering questions about creating and adhering to a study plan.
3	Resource Selection for IIT, NEET, and Other Exams	- Choosing the right study materials and resources (books, online platforms, coaching). - How to effectively use coaching centres and online resources. - The role of self-study vs. formal coaching.	- Group activity: Select and discuss resources for each subject. - Discuss successful study strategies for self-study.	Q&A to clarify doubts about resource selection and utilization.
4	Mastering the Core Subjects (Physics, Chemistry, Biology, Math)	- In-depth discussion on key subjects: Physics, Chemistry, Biology, and Math. - Subject-specific preparation strategies. - How to approach theory, concepts, and numerical.	- Subject-specific focused discussion and practical tips for each exam. - Group problem-solving session.	Address specific subject-related queries and challenges.
5	Mock Tests, Revision, and Tracking Progress	- The importance of mock tests and practice papers. - How to track progress through regular testing. - Effective revision techniques and last-minute	- Take a mock test or practice papers for one subject. - Analyse performance and identify areas for improvement.	Discuss results of mock tests and provide strategies for improvement.

		preparation strategies.		
6	Stress Management and Exam Day Strategies	- Managing exam stress and staying motivated. - Developing resilience and maintaining focus under pressure. - Last-minute strategies for the exam day.	- Discussion: Relaxation techniques and mental health management. - Develop a checklist for the exam day.	Final Q&A to provide clarity on stress management and exam day preparation.

Mentoring by Eminent Expert - International (Online) for 82 Schools				
6 Days Session (3 hrs/day)				
Day	**Session Title**	**Topics Covered**	**Activity**	**Q&A**
1	Introduction to Ivy League Colleges and Their Requirements	- Overview of Ivy League Colleges and their prestige. - Understanding the admission process for Ivy League schools (application timelines, documents, interviews, etc.). - Common criteria: academic excellence, extracurricular activities, essays, and recommendations.	- Group discussion: Why students aim for Ivy League schools. - Analyse the general admission requirements of top Ivy League schools.	Interactive session to address initial doubts regarding Ivy League admission processes.
2	Academic Excellence: Building a Strong Academic Profile	- Importance of high academic standards: GPA, standardized tests (SAT/ACT), and subject-specific performance. - Planning coursework and grades for Ivy League eligibility. - The role of AP, IB, and other advanced courses in strengthening your profile.	- Create a roadmap for improving academic profile: GPA, SAT/ACT planning, and AP/IB courses. - Set specific goals for academic improvement.	Answering questions about academic strategies for Ivy League preparation.
3	Extracurricular Activities: Building a Well-Rounded Profile	- Importance of extracurricular activities in Ivy League admissions. - Identifying activities that align with personal interests and academic goals. - Leadership roles, community service, and building a portfolio.	- Group discussion: Identify and plan extracurricular activities that align with individual interests and strengths.	Clarifying doubts regarding extracurricular activities and building a strong profile.
4	Crafting a Compelling Personal Statement and Essays	- How to write impactful personal statements and essays. - The importance of storytelling and showcasing personal growth, achievements, and future	- Workshop: Start drafting a personal statement or essay prompt. - Review examples of successful Ivy League essays.	Review and feedback on personal statement and essay drafts.

		goals. - Tips for writing strong supplemental essays tailored to Ivy League schools.		
5	Letters of Recommendation and Networking	- The importance of strong letters of recommendation and who to approach. - How to build relationships with teachers, mentors, and professionals for glowing recommendations. - Networking with alumni and using connections for insights and guidance.	- Role-playing: Approaching mentors for recommendations. - Workshop on how to build meaningful relationships with teachers and mentors.	Answering questions regarding letter of recommendation strategies and networking tips.
6	Preparing for Interviews and Finalizing Your Application	- The Ivy League interview process: what to expect and how to prepare. - Handling behavioural and situational questions during the interview. - Finalizing your application: double-checking documents, ensuring completeness, and presenting a polished final version.	- Mock interview session: Practice common Ivy League interview questions. - Final review of applications and checklist for submission.	Final Q&A on interviews, application submission, and post-application strategies.

Solution 19: BRC & CRC - Furniture & Laptop with Printer

This solution ensures the supply of digital and physical infrastructure at resource centers to strengthen administrative functions, teacher training, and academic monitoring at block and cluster levels. The successful bidder shall supply complete sets of furniture and digital equipment, including laptops and printers. The program enhances school system administration by equipping resource centers with digital and physical infrastructure to support teacher training, monitoring, and academic coordination. 392 BRCs/CRCs will receive furniture, laptop and printers with preloaded training and administrative tools. Equipment will support training delivery, academic planning, and digital documentation.

The major components factored for the solution are listed below:

i. Supply and setup of office furniture, laptops, and printers for 392 BRCs/CRCs.
ii. Manuals for usage and asset management to be included.
iii. Delivery and verification documents to be submitted.

BRC & CRC - Furniture & Laptop with Printer in 60 BRC & 332 CRC			
Furniture			
Sr. No.	**Name of Item**	**Specification**	**Unit**
1	Almirah	Dimension: 1850 x 600 x 450 mm; Material: Steel; No. of Doors: 2 Door; No. of Shelves: 4 Shelves;	392 Nos. (1 X 60 BRCs= 60 Nos. + 1 X 332 CRCs = 332 Nos.)

		Dimension. 1850 x 600 x 450 mm, 24 Gauge	
2	Office Chair	Office Revolving Chair: - Seat Size; 47.0 cm. (W) x 51.5 cm. (D), Back Size: 45.0 cm (W) x 65.3 cm. (H), High Resilience (HR) Polyurethane Foam.	452 Nos. (2 X 60 BRCs= 120 Nos. + 1 X 332 CRCs = 332 Nos.)
3	Meeting Chair	The chair has a seat height of 450 mm, and a seat surface of 490 mm x 500 mm. The black armrest is 645 mm high. The solidly processed metal base,	2260 Nos. (10 X 60 BRCs= 600 Nos. + 5 X 332 CRCs = 1660 Nos.)
4	Office Table	Size 152 cm x 76 cm x 77 cm & colour teak minimum two drawers with one locker material – pre laminated particle board.	452 Nos. (2 X 60 BRCs= 120 Nos. + 1 X 332 CRCs = 332 Nos.)
Laptop			
S. No.	**Parameter**	**Specifications**	**Unit**
1	Processor	Intel i3 /Ryzen™3	392 (1 X 60 BRCs= 60 Nos. + 1 X 332 CRCs = 332 Nos.)
2	Chipset	System on Chip	
3	Wireless	Integrated wireless 6 and Bluetooth 5.3 or higher	
4	Memory	8 GB DDR4 3200Mhz RAM expandable to 64 GB	
5	Hard Disk Drive	256GB SSD expandable upto 1TB	
6	Graphics	Integrated Graphics UHD	
7	Display	Minimum 14-inch diagonal (1920 x 1080 resolution) with minimum 250 nits	
8	Webcam	720p HD webcam with Physical shutter	
9	Keyboard	Spill resistant keyboard; Touchpad with multi-touch gesture support	
10	Ethernet Interface	Integrated Ethernet 10/100/1000 NIC	
11	Ports	HDMI 1.4b- One (1)	
		Headphone / microphone Combo: One (1) Power connector -One (1)	
		RJ-45/Ethernet -One (1)	
		Minimum 3 USB Ports with at least 1 USB Type	
12	Integrated Media Card Reader	1 multi-fat digital media reader supporting SD, SDHC, SDXC cards	
13	Weight	Not more than 1.38 Kgs with battery and Laptop Top and bottom body should have metal alloy body	
14	Security	dTPM 2.0 or higher	
15	Speaker / Microphones	Integrated stereo speakers; Integrated array microphone	
16	Battery	Minimum 4 cell 49-watt hour or better	
17	Operating System	Factory Preloaded Windows 11SL/Home. Confirmation from OEM authorized signatory on OS preloading is mandatory.	

18	OS Certification	Must be certified for Windows	
19	Warranty	3 Year Comprehensive Warranty on laptop and battery	
20	AC Adapter	Standard Indian Adaptor	
21	Mandatory Industry Standard Certifications	FCC, CE, ROHS Compliance, BIS or higher, MIL Standard 810H, EPEAT India/EPR, Energy Star.	

Printer			
S. No.	**Parameter**	**Specifications**	**Unit**
1	Printer	Printer Type – Inkjet	392 (1 X 60 BRCs= 60 Nos. + 1 X 332 CRCs = 332 Nos.)
		Printer Output – Colour	
		Connectivity-USB; Compatibility: Windows 8 / Windows 7 / Window Vista / Windows XP,	
		Mac OS X v10.6.8.	
		Printer Media Size Maximum - A4, Letter, 4 x 6", 5 x 7"	

Solution 20: Design, Supply & Installation of Audio-Visual Studio

This project establishes advanced AV Studio equipped with cutting-edge technology for enhancing classroom learning experiences. The successful bidder will supply and install all AV equipment, including hardware, software, and accessories, ensuring operational readiness. To create state-of-the-art AV Studios, the successful bidder will deliver high-quality equipment and provide user training to teachers.

a) General Overview:
- Supply and installation of AV tools for multimedia-rich lessons, lecture capture, and collaborative activities.

b) Scope of Supply:
- LED displays, PTZ cameras, video conferencing systems, and wireless presentation tools.
- Instructional manuals and operational guidelines.

c) Scope of Supply, Installation & Commissioning:
- Placement and configuration of AV systems in classrooms.
- Conducting site acceptance tests for system validation.

d) Scope of Related Services:
- Training sessions on AV system operation and content management.
- Technical support and system maintenance throughout the project duration.

1 unit Audio Visual Studio			
S. N.	**Item Name**	**Technical Specification**	**Qty**
1	Digital Video Camera	4K 10-bit 60p Recording	1

	with accessories	HDMI and SDI output 3G/1.5G HD-SDI support Built-in LED Video Light	
2	Audio Mixer with accessories	8 inputs, 2 Bus mixer with 4 Mic Pre Amps. 3 Band EQs. Stereo FX processor with preset like reverb, chorus, flanger, delay, pitches shifter etc. FX send control	1
3	Camera tripod	Tripod suitable for the above camera	1
4	Microphone: cordless lavaliere	Channel: Single RF Protection: Should be Embedded Security: Minimum 128-bit encryption RF frequency range :1880 – 1900 MHz Switching bandwidth: 50 – 14000 Hz Mobility range :150' Base Station: Auto pair with Mic Operating time 6 hours Channel Single RF Protection Should be Embedded	1
5	Wired Mic with Table Mic Stand	Connectors 3-pin XLR-3 Features Dynamic cardioid microphone Clearly emphasizes voices on loud stages Transparent high-end and warm but defined lower mids Highly consistent directivity High feedback rejection Shock-mounted capsule Hum compensating coil Extremely rugged metal housing	1
6	55" Professional UHD 4k Conferencing Display	Display Type : LED Display Size (diagonal): Minimum 139.7 cm (55") Viewing Angle: 78° horizontal; 178° vertical Brightness: 350 cd/m² 1 or better Contrast Ratio :1200:1 static Aspect Ratio : 16:09 Native Resolution : 4K UHD Display Features: Anti-glare; Language selection; LED Backlights; On-screen Input Signal: 1 VGA; 1 HDMI 2.0 Ports and Connectors : 1 USB 2.0 Input Power Input voltage: 100 to 240 VAC Can be wall mount/floor mount depending upon the space.	2
7	Transmission Server	I/O Card with SDI IN/OUT and Analog Component /composite IN/OUT Intel Core i7 (3.0GHz), 9th Generation or higher. Minimum 16 GB RAM, Intel C246 chipset, Motherboard with Integrated Gigabit Ethernet, Audio and USB ports, QUADRO P400 /Nvidia 2GB or Higher Graphic card, Minimum 256GB SSD for Windows 10 Professional 64 bit, Minimum 1 TB Enterprise SATA 6 Gbps Hard disk for Data, 24" professional FHD Display same OEM, Certifications - UL, FCC Compliance, EPEAT Silver or Higher,	1

		Energy Star with professional Display• Cabinet and 650W SMPS Form Factor – Tower Software Licences Streaming Multi cast Software Features Crystal clear audio and video broadcasting to the classroom. Teacher Screen Broadcasting to the classroom. Multiple classroom conference tools. Multiple classroom conferencing with the teacher and student. Record the lectures in the teaching-end server along with the screen for telecast Should support multicast streaming	
8	Interactive Panel with laptop	Interactive Panel with laptop Interactive Panel Specs: 13.3” HD display. Resolution support up to 1080P HDMI Input USB input for pen function Laptop specifications: Laptop Display 13.3” FHD IPS Touch Screen with 360-degree convertible. Resolution support up to 1080P HDMI Input USB input for pen function Intel® Core™ i5 10th Generation/R5 AMD Latest Generation Minimum 8GB RAM expandable to 32 GB with 2 physical DIMM Slots. Customer Replaceable, Graphic card – Intel UHD Graphics/AMD Radeon, Minimum 512 GB SSD, Minimum 2 USB Ports 3.1, 1 Type C Port, 1 HDMI Port, Windows 10 pro 64-bit, Weight up to 1.5kg, Spill Resistant Keyboard with backlit function, Battery 3 Cell 45 WHr	1
9	Laptop with HDMI out	Intel® Core™ i5 10th Generation/AMD R5 Latest Generation Minimum 8GB RAM expandable to 32 GB with 2 DIMM Slots Customer Replaceable, Minimum 512 GB SSD, FHD Display 14-inch diagonal LED-backlit Minimum 3 USB Ports with at least 1 USB 3.1 and 1 HDMI, 1 Type C Port Windows 10 pro 64 bit	1
10	Furniture	Table -1no. 4ft X 6 ft Modular Office Table (Desk with Overbridge) Executive Chairs 2 Nos. with High Raise, Reclining, Ergonomics, Storage Reinforced Fire-Proof Cabinet with minimum 50 box file(s) storage capacity Material Termite Resistant, Marine Plywood	1
11	Electrical networking and Studio cabling including all accessories:	Electrical networking for all the components in the studio and earthing as per the specification below. • Plate Earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 4feet below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer, nipple ,wire meshed funnel, alternate layers of salt and coke/charcoal, testing of earth resistance as required.	1
12	Acoustic, Fabric above Acoustics with Air	Provision & fixing of pre-fabricated acoustic panels for the walls inside the studio topped with suitable fabric giving an aesthetic	1

	Condition (15 ft x20 ft= 300 Sqft.)	finish 1. Interior With Metal Tile Grid and with acoustic False Sealing, fixing of acoustic panels on the walls with aesthetic finish 2. Carpet Providing and Fixing 3. Curtain Providing and fixing Curtains with accessories 4.Acoustic Doors with provisioning and fixing panel with vision panel for main door and control room. Provision & fixing of frame and sound proof casement door with multipoint locking system and both side handle with locking arrangement with vision panel for studio main door and control room door. 5. Window Provisioning and fixing sound proof window hermitically sealed with Glass 6 Air- Conditioning Air conditioning 1 AC (1.5 Tons) in the Studio room and 1 AC (1.5 Tons) in the control room	
13	LED Studio Lights with ceiling Grid and mounting clamps/hooks	Colour temperature: 5600 K/3200K Dimmable output from 100% to 10% Power consumption: Less than 80W. Ceiling mounts facility AC Adaptor, Barn door and filters Operated from nominal 230 V/50 Hz Ac Supply	4
14	UPS (5KVA)	Features – Single Phase Input, Single Phase Output High power backup Wide input voltage range 230V – 20% - 15% Output voltage 220V Advanced PFC Technology Advanced Battery Management Automatic Battery charging in UPS off mode Short circuit and overload protection Interactive LCD touch panel Type – Online Backup duration – 45 minutes Battery Type – Sealed Maintenance Free	1