BID DOCUMENT

Selection of System Integrator for Design, Delivery, Installation & Commissioning of different educational solutions in various Schools across Tripura.

Part -I – TECHNICAL BID

NIT No- EdCIL/DES/Tripura/2025-26/007

Dated: 19.01.2026

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 156

`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.

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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/Tripura/2025-26/007 **Date**:19.01.2026

Name of work	Selection of System Integrator for Design, Delivery, Installation & Commissioning of different educational solutions in various Schools across Tripura.
The Currency in which payment shall be made	Indian Rupees (INR)
Date of Issue/Publishing	19.01.2026
Document Download Start Date	19.01.2026
Pre-Bid Submission	22.01.2026 till 1600 Hrs
Pre-Bid meeting	23.01.2026 at 1200 Hrs
Document Download End Date and Time	03.02.2026 till 1500 Hrs
Pre-Bid queries should reach by	22.01.2026 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	03.02.2026 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	03.02.2026 at 1630 Hrs
Earnest Money Deposit	Rs. 19,00,000/- (Rupees Nineteen Lakh 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.

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 14 days 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
14.		Annexure XIV- Contract Form	PDF
15.		Annexure XV- List of Authorized banks for BG	PDF
16.		Annexure XVI- Performa for Declaration on Proceeding Under Insolvency and Bankruptcy Code	PDF
17.		Annexure XVII- Pre-Bid Query Format	PDF
18.		Annexure XVIII- Technical 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 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 Selection of System Integrator for Design, Delivery, Installation & Commissioning of different educational solutions in various Schools across 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. 19,00,000/- (Rupees Nineteen Lakh 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. 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 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 14 days 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 64 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 5% of contract value to EdCIL within 2 weeks from the date of receipt of extension order.

4.11 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.

4.12 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.

4.13 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.

4.14 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.

4.15 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

Samagra Shiksha is an integrated flagship programme of the Government of India for school education, covering the entire spectrum from pre-primary to senior secondary level (Classes I–XII). Launched in 2018, it aims to ensure inclusive, equitable, and quality education for all children by improving access, retention, and learning outcomes. By bringing together earlier schemes such as Sarva Shiksha Abhiyan, Rashtriya Madhyamik Shiksha Abhiyan, and Teacher Education, Samagra Shiksha adopts a holistic approach to school development, focusing on learner-centric education and overall school effectiveness.

The scheme emphasizes strengthening school infrastructure, enhancing teacher capacity through continuous professional development, and promoting digital and ICT-enabled learning. Special focus is given to Foundational Literacy and Numeracy (FLN), early childhood education, and support for disadvantaged groups, including girls and Children with Special Needs (CWSN). Aligned with the National Education Policy (NEP) 2020, Samagra Shiksha supports innovation, technology integration, and competency-based learning to prepare students with the knowledge and skills required for the 21st century.

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 educational 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: Science and Math Kits

The Supply of Science and Mathematics Kits will include providing curriculum-aligned, durable, and child-safe hands-on learning kits that support practical understanding of classroom concepts. Each kit shall include activity materials, teacher guides, and easy-to-follow instructions that help integrate experiential learning into daily lessons.

The initiative aims to make Science and Mathematics more engaging by enabling students to experiment, explore, and apply concepts through interactive activities, thereby strengthening foundational and grade-level competencies.

The solution shall:

- Provide structured hands-on tools and materials for experiments and activities.
- Support teachers with simple manuals for effective classroom demonstrations.

- Promote inquiry-based learning and active student participation.
- Enhance conceptual clarity through real-life applications of STEM topics.
- Help create engaging, activity-driven learning environments in schools.

Solution 2: Learning Enhancement Program (LEP)

The Learning Enhancement Program (LEP) will focus on strengthening foundational and grade-level competencies for students through structured remedial support, supplementary learning materials, and personalized academic interventions. The program shall be delivered through an LMS-based digital learning environment that enables students to access curated content, join live sessions, and participate in interactive activities across key subjects.

The initiative aims to bridge learning gaps by providing targeted assistance in Mathematics, Science, English, and other essential areas, while also introducing students to technology-oriented concepts and career awareness sessions. By leveraging digital tools, continuous assessments, and data-driven insights, the program will ensure measurable improvement in student learning outcomes.

The solution shall:

- Deliver structured online remedial and enrichment sessions through a Learning Management System.
- Provide students with access to digital learning content, interactive modules, and recorded sessions.
- Facilitate subject-wise support in Mathematics, Science, English, and foundational skill areas.
- Integrate technology-related awareness and career-oriented sessions to broaden student exposure.
- Track student progress through assessments, analytics, and LMS-based monitoring tools.
- Enable personalized learning pathways based on individual performance and learning needs.

Solution 3: Teaching Learning Material (TLM)

The Teaching Learning Material (TLM) initiative will include the supply of interactive, child-friendly, and curriculum-aligned learning resources designed to make classroom teaching more engaging, activity-based, and student-centred. These materials shall support foundational literacy, numeracy, and subject understanding through hands-on tools such as storybooks, puzzles, board games, worksheets, and locally contextualized learning aids.

The initiative aims to transform traditional classroom practices by equipping teachers and students with resources that foster creativity, critical thinking, and experiential learning. Through structured training, teachers will be guided on how to integrate these materials effectively into daily lessons to enhance participation, comprehension, and overall learning outcomes.

The solution shall:

- Provide a variety of age-appropriate, contextualized TLM resources for interactive classroom use.
- Support foundational literacy and numeracy through activity-based tools and learning aids.
- Promote creativity, problem-solving, and conceptual clarity using experiential materials.
- Strengthen classroom engagement by integrating interactive, hands-on learning activities.

Solution 4: TLM Park

The TLM Park initiative will include the establishment of interactive, curriculum-linked learning spaces within school premises that promote experiential, play-based, and outdoor learning. These parks shall feature subject-focused installations, puzzles, and learning aids that help students explore concepts in Mathematics, Science, Literacy, and Environmental Studies in an engaging and practical manner.

Designed in alignment with NEP 2020, the TLM Park will enable students from diverse backgrounds to connect with learning through visual, tactile, and activity-based experiences. The space will support teachers in conducting interactive lessons that foster curiosity, creativity, and conceptual clarity.

- Develop outdoor/indoor activity-based learning zones with subject-specific installations and puzzles.
- Use contextualized and multilingual elements to make learning inclusive and relatable.
- Support foundational and grade-level competencies through experiential, play-based methods.
- Enable teachers to conduct interactive sessions by integrating TLM Park resources into classroom pedagogy.

Solution 5: Child-Friendly Furniture and Outdoor Play Materials

The Child-Friendly Furniture initiative will include the supply of ergonomically designed, safe, and developmentally appropriate furniture that supports interactive and inclusive learning environments for young students. The furniture shall comprise low-height seating, soft seating options, flexible arrangements, and age-appropriate storage units, all designed to enhance comfort, accessibility, and classroom organization.

Aligned with NCERT's ECCE framework, the initiative aims to create engaging spaces that promote collaboration, active participation, and holistic development. The materials will be durable, non-toxic, and easy to maintain, ensuring a child-safe and stimulating classroom setup. Teachers will also be guided on optimizing classroom layouts to support experiential and activity-based learning.

The solution shall:

- Provide ergonomically designed, child-safe furniture suitable for early and primary learners.
- Support flexible and interactive classroom layouts through modular furniture options.
- Ensure all materials are durable, non-toxic, and easy to maintain for long-term use.
- Promote engaging, inclusive learning environments that foster collaboration and active participation.
- Equip teachers with guidance to effectively utilize furniture for experiential and child-centric pedagogy.

Out Door Play Materials

The Outdoor Play Materials initiative will include the supply and installation of safe, age-appropriate, and durable outdoor play structures that promote physical activity, motor skill development, and social interaction among students. The play equipment shall include elements such as swings, slides, balancing beams, climbing frames, and open play zones, designed to create engaging and child-friendly outdoor learning spaces.

The initiative aims to encourage active, experiential learning by providing students with opportunities to explore, move, collaborate, and develop essential physical and cognitive skills. All materials will be weather-resistant, child-safe, and designed for long-term use. Teachers will also be guided on incorporating structured outdoor play into daily routines to support holistic development.

The solution shall:

- Provide age-appropriate, safe, and durable outdoor play structures for school playgrounds.
- Promote physical activity, motor skills, and teamwork through engaging play environments.
- Ensure all equipment is weather-resistant, non-toxic, and compliant with child safety standards.
- Support holistic development by integrating structured outdoor activities into school routines.
- Enable teachers to use outdoor play as a tool for experiential and activity-based learning.

Solution 6: BALA Features

The BALA (Building as a Learning Aid) initiative will involve transforming school infrastructure into interactive learning spaces by integrating educational content into walls, floors, staircases, and open areas. These visual elements shall include alphabets, numbers, shapes, scientific concepts, and subject-linked illustrations that make learning immersive, accessible, and engaging for students throughout the school day.

The initiative aims to utilize the physical environment as a continuous teaching tool, reinforcing classroom learning through visual cues and experiential elements. Designed to support holistic development, the BALA features will make school spaces stimulating, inclusive, and aligned with PM SHRI's vision of modern and learning-rich environments.

The solution shall:

- Develop and install educational wall, floor, and staircase paintings linked to curriculum concepts.
- Use vibrant, child-friendly, and durable materials suitable for long-term school use.
- Promote continuous and incidental learning through visually engaging designs.
- Support teachers in integrating BALA elements into daily classroom sessions and activities.
- Create inclusive, visually stimulating spaces that enhance student participation and conceptual clarity.
- Align with PM SHRI's vision of modern and inclusive school campuses.

Solution 7: Sanitary Pad

The Sanitary Pad Distribution Program will include the supply of safe, hygienic, and high-quality sanitary pads to adolescent girls to promote menstrual health, personal hygiene, and overall well-being. The initiative is designed to ensure consistent access to menstrual products, helping students manage their menstrual cycle safely and comfortably during school hours.

The initiative aims to reduce absenteeism, promote dignity and confidence, and create an inclusive, health-conscious school environment. By normalizing menstrual health discussions and providing essential materials, the program supports girls in continuing their education without interruption or stigma.

The solution shall:

- Supply hygienic, skin-safe, and high-quality sanitary pads for adolescent girls in schools.
- Promote menstrual hygiene awareness and support girls in managing menstruation confidently.
- Reduce absenteeism and improve participation by ensuring access to essential menstrual products.
- Contribute to a safe, inclusive, and supportive school environment aligned with PM SHRI goals.
- Encourage health, dignity, and well-being through improved menstrual hygiene management.

Solution 8: Sanitary Pad Incinerator

The Sanitary Pad Incinerator initiative will include installing safe and eco-friendly incineration units in schools to support menstrual hygiene management. The facilities shall ensure dignified disposal of sanitary products and a healthier environment for adolescent girls.

The initiative aims to promote hygiene, reduce absenteeism, and create supportive school conditions for girl students.

The solution shall:

- Install sanitary pad incinerators in designated schools.
- Support safe, hygienic disposal of menstrual products.
- Improve menstrual hygiene management and student well-being.

- Create a supportive, inclusive environment for adolescent girls.

Solution 9: Sports Equipment's

The Sports Equipment initiative will include supplying age-appropriate sports materials that support physical fitness, teamwork, and experiential learning among students. The equipment shall cover a range of indoor and outdoor sports, encouraging active participation and holistic development.

The initiative aims to help students build motor skills, discipline, confidence, and values such as cooperation and fair play, while promoting a healthy and active lifestyle.

The solution shall:

- Provide sports kits for indoor and outdoor physical activities.
- Encourage teamwork, resilience, and physical fitness.
- Support structured sports periods and co-curricular activities.
- Align sports offerings with local interests and student preferences.

Solution 10: Fund for Safety & Security-Equipment

The Safety & Security Equipment initiative will include the supply of essential fire safety tools, first-aid kits, and emergency response materials to strengthen school safety systems. These resources shall ensure that campuses are prepared to prevent, manage, and respond to emergencies in a safe and structured manner.

The initiative aims to support the creation of disaster-resilient and secure school environments by equipping staff and students with the tools needed for safe evacuation, first response, and incident management.

The solution shall:

- Provide fire safety equipment such as extinguishers and emergency tools.
- Supply first-aid kits and basic health response materials.
- Support safe, compliant, and secure learning environments.
- Strengthen schools' preparedness for emergency situations.

Solution 11: Digital Library - Desktop Computers

The Digital Library initiative will include the supply of desktop computers equipped with essential software and connectivity to support digital learning in schools. The computers will enable access to e-learning content, research tools, and ICT-based educational activities.

The initiative aims to strengthen computer literacy, promote digital inclusion, and support 21st-century learning through technology-enabled instruction and exploration.

The solution shall:

- Provide desktop computers for student and teacher use.
- Enable access to digital content, e-learning platforms, and ICT tools.
- Support coding, research-based learning, and digital literacy.
- Strengthen technology integration within classrooms.

Solution 12: Science and Mathematics Circles

The Science & Mathematics Circles initiative will create interactive learning spaces where students explore STEM concepts through experiments, models, puzzles, and hands-on activities. These circles shall promote inquiry, curiosity, and logical reasoning.

The initiative aims to make STEM learning engaging, relatable, and conceptually strong by incorporating real-life examples and exploratory methods.

The solution shall:

- Establish interactive circles for hands-on science and math activities.
- Enable experiments, demonstrations, and exploratory learning.
- Encourage critical thinking, problem-solving, and creativity.
- Make STEM concepts relatable through contextual examples.

Solution 13: ECCE Kits

The ECCE Kits initiative will include supplying child-friendly, play-based learning materials that support early literacy, numeracy, and cognitive development. These kits shall include storybooks, puzzles, manipulatives, flashcards, and sensory resources aligned with early childhood pedagogy.

The initiative aims to create engaging and developmentally appropriate learning experiences for young learners through interactive, culturally relevant, and activity-based tools.

The solution shall:

- Provide age-appropriate ECCE learning materials for early learners.
- Support literacy, numeracy, cognitive, and language development.
- Include play-based tools such as puzzles, storybooks, and manipulatives.
- Promote child-centric and experiential ECCE pedagogy.

Solution 14: 21st Century Skills

The 21st Century Skills initiative will introduce activities and learning modules that build digital literacy, communication, creativity, critical thinking, and problem-solving skills. Students will engage in coding, design thinking, collaborative tasks, and project-based learning.

The program aims to prepare learners for future challenges by embedding essential competencies into everyday learning experiences.

The solution shall:

- Facilitate activities in digital literacy, coding, and creative thinking.
- Promote collaboration, communication, and problem-solving.
- Build confidence, adaptability, and innovation through hands-on tasks.
- Support future-ready and learner-centric education.

Solution 15: Financial Literacy and Numeracy

The Financial Literacy & Numeracy program will offer interactive activities that help students understand budgeting, saving, spending, and practical numeracy. Learning will be supported through games, puzzles, and real-life problem-solving scenarios.

The initiative aims to strengthen decision-making, responsible financial behavior, and everyday numeracy skills in students.

The solution shall:

- Introduce budgeting, money management, and savings concepts.
- Use games and puzzles to build practical numeracy skills.
- Promote logical reasoning and responsible financial habits.
- Connect mathematics learning with real-life applications.

Solution 16: Lab Equipment's- Biology, Physics, Chemistry and Integrated Science Labs

The Lab Equipment initiative will include supplying scientific instruments, models, glassware, and experiment kits to support hands-on learning in Physics, Chemistry, Biology, and Integrated Science. These materials shall enable students to conduct structured experiments and demonstrations.

The initiative aims to promote scientific inquiry, analytical thinking, and experiential understanding of science concepts.

The solution shall:

- Provide essential laboratory equipment and scientific tools.
- Support hands-on experiments, observations, and demonstrations.
- Enhance inquiry-based and practical science learning.
- Strengthen foundational STEM competencies.

Solution 17: Vedic Math's

The Vedic Mathematics initiative will introduce ancient arithmetic techniques that simplify calculations and enhance mental agility. Students will learn methods for quick mental math, pattern recognition, and logical reasoning.

The initiative aims to reduce math anxiety, build confidence, and make arithmetic enjoyable through innovative learning approaches.

The solution shall:

- Provide training in Vedic calculation techniques.
- Improve mental math speed and accuracy.
- Promote logical reasoning and pattern recognition.
- Make mathematics accessible and enjoyable for learners.

Solution 18: Adolescent Development Programs for girl

The Adolescent Development Program will include sessions on health, hygiene, nutrition, safety, and life skills to support the holistic well-being of adolescent girls. Activities shall include awareness workshops, counselling, and empowerment-focused modules.

The initiative aims to build resilience, confidence, and informed decision-making among young girls.

The solution shall:

- Conduct awareness sessions on health, hygiene, and nutrition.
- Provide life-skills and empowerment workshops.
- Offer counselling and emotional well-being support.
- Create safe, supportive environments that encourage girls' participation.

Solution 19: Career Guidance Programme for girls

The Career Guidance Programme will include structured counselling sessions, skill assessments, and exposure to various career options. Students will receive guidance through psychometric tools, group interactions, and expert-led workshops.

The initiative aims to help students make informed academic and career decisions based on their strengths, interests, and aspirations.

The solution shall:

- Conduct career awareness and counselling sessions.
- Use psychometric assessments for skill and interest mapping.
- Offer exposure to vocational and higher education pathways.

- Provide digital career resources and personalized guidance.

Solution 20: Enhancement of school facilities and aesthetics

The School Facility Enhancement initiative will include the supply and installation of essential utilities such as CCTV cameras, RO water systems, fire safety tools, dustbins, and other infrastructure to improve school hygiene, security, and aesthetics.

The initiative aims to create clean, safe, and learner-friendly environments that support effective teaching and holistic student development.

The solution shall:

- Install essential utilities to enhance safety, hygiene, and functionality.
- Improve the physical environment to support teaching and learning.
- Strengthen school infrastructure for a positive learning experience.

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 1 of the financial bid may be used for placing order for additional quantities during exercise of variation.

5.6 Pre-Delivery Inspection

- 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 21st Century Skills Training must focus on equipping teachers with the knowledge and facilitation skills needed to introduce digital literacy, problem-solving, critical thinking, collaboration, and creativity in classrooms. Centralized District wise training program to be conducted to familiarize teachers with coding basics, design-thinking activities, teamwork-based tasks, and innovation-driven projects. The training should also cover the integration of technology tools that enable students to engage in hands-on activities that build future-ready competencies. Teachers must be guided on how to embed 21st-century skill elements into everyday classroom practice to foster innovation, communication, and higher-order thinking among students.

- The Financial Literacy & Numeracy Training must help teachers build the confidence and capacity to deliver practical, life-relevant financial education to students. Centralized District level training should be organized to orient teachers on budgeting games, saving exercises, numeracy-based activities, and real-life money-management scenarios. The training must introduce simple tools and classroom strategies for strengthening numeracy, logical reasoning, and decision-making, enabling teachers to conduct interactive financial learning sessions in their schools.

- The Vedic Mathematics Training must focus on strengthening teachers' understanding of ancient calculation techniques that simplify arithmetic and improve mental agility. Centralized District level workshop should be conducted to train teachers in using Vedic methods such as rapid multiplication, division shortcuts, pattern identification, and mental math strategies. Teachers must learn how to integrate Vedic Math techniques into the regular mathematics curriculum to reduce math anxiety, improve accuracy, and make arithmetic learning engaging for students.

- The Adolescent Development Programme Training for Girl Students should build teachers' capacity to deliver sessions on health, hygiene, nutrition, safety, emotional well-being, and life-skills. Centralized District level training must be organized for nominated teachers, focusing on strategies to support adolescent girls' confidence, resilience, and self-awareness. The training must also guide teachers on facilitating school-based interventions, peer-support activities, and awareness sessions to ensure safe, inclusive, and supportive environments for girls. Teachers must be equipped with digital tools and structured facilitation guides for ongoing follow-up and school-level implementation.

  The Career Guidance Programme Training for Girls should include workshop in a centralized District level location to equip teachers with the skills required to mentor students on academic and career pathways. The training should focus on understanding student interests and how to use psychometric assessment tools for structured guidance. Teachers must be trained to integrate career awareness sessions into the school routine, ensuring students receive timely support for goal setting, career planning, and exploring higher-education or vocational opportunities.

- The bidder shall assign trainers/mentors/counsellors, each being responsible for facilitating physical training (offline) across cluster of schools. These assign trainers/mentors/counsellors shall be responsible for planning and delivering structured training sessions for students/teachers, as well as providing continuous on-ground and remote support and handholding to ensure effective implementation of the programme components.

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

S.N.	Project	Teachers Training				
		No. of schools	Days	Teachers/ School	Training HRS/ Day	Training Mode
1	21st Century Skills	81	3	2	5	Offline
2	Financial Literacy & Numeracy	81	3	2	5	Offline
3	Vedic Maths	81	1	2	5	Offline
4	Adolescents Programme for Girls (Samagra Shiksha)	941	3	2	5	Online
	Adolescents Programme for Girls (PM Shri)	60	3	2	5	Offline

5	Career Guidance for Girls (Samagra Shiksha)	941	3	2	2	Online
	Career Guidance for Girls (PM Shri)	60	3	2	2	Offline

S.N.	Project	Students Training	
		Training hrs/Day	Training Mode
1	21st Century Skills	2	Offline
2	Financial Literacy & Numeracy	2	Offline
3	Vedic Maths	2	Offline
4	Adolescents Programme for Girls (Samagra Shiksha)	3	Online
	Adolescents Programme for Girls (PM Shri)	2	Offline
5	Career Guidance for Girls (Samagra Shiksha)	3	Online
	Career Guidance for Girls (PM Shri)	2	Offline

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 Sample Submission

Demonstration of the sample kit, as specified in the tender document, is mandatory to assess the quality, safety, durability, and non-toxicity of the materials and/or equipment proposed for supply, ensuring their suitability for the intended grade/class level. The demonstration will enable evaluation of the actual functionality of the items and their effectiveness in achieving the intended learning outcomes.

Bidder(s) shall appear to demonstrate the sample kit before the Committee at EdCIL's office whenever called upon. As directed by the Committee, bidder(s) shall submit the demonstrated items for evaluation. Failure to appear for the demonstration shall result in disqualification at the technical evaluation stage.

Sample items submitted by the L-1 bidder shall be retained by EdCIL until finalization of the work. Other bidders shall collect their samples within one week of technical evaluation, failing which EdCIL shall not be responsible for their return.

Bidder(s) shall provide a valid email address with the bid document. Communication regarding the date and time of demonstration shall be made only through email.

5.11 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.

5.12 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 a company registered under in India under Companies Act, 1956 and 2013 or Proprietorship/Partnership Firm with their registered office in India and should have been in operation for at least last 5 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 a company registered under in India under Companies Act, 1956 and 2013 or Proprietorship/Partnership Firm with their registered office in India and should have been in operation for at least last 4 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. 30 crores during the last three financial year i.e., 2022-23, 2023-24 and 2024-2025. AND Bidder must be profitable and has positive net-worth in each of the last 3 financial year i.e., 2022-23, 2023-24 and 2024-2025. **For MSME/NSIC registered bidder:** Bidder must have minimum average annual turnover of Rs. 25 crores during the last three financial year i.e., 2022-23, 2023-24 and 2024-2025. AND	• Audited Profit and Loss Statement and Balance sheets for FY 2022-23, 2023-24 and 2024-2025. • Auditor Certificate clearly specifying the turnover along with Profit and Net-worth during the FY 2022-23, 2023-24 and 2024-2025. • MSME Bidder should produce valid registration certificate from NSIC/MSME.

	Bidder must be profitable and has positive net-worth in each of the last 3 financial year i.e., 2022-23, 2023-24 and 2024-2025.	
3.	Bidder should have the experience of implementation of TLM/LEP in government schools in last 5 years from the date of submission of bids • Two work orders each of value not less than Rs 8 crore each. OR • Single work orders of value not less than Rs 15 crore. **For MSME/NSIC registered bidder:** Bidder should have the experience of implementation of TLM/LEP in government schools in last 5 years from the date of submission of bids • Two work orders each of value not less than Rs 6.5 crore each. OR • Single work orders of value not less than Rs 12 crore.	Copy of work order/ MoU/ 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.	Bidder should have experience in supply of TLM/LEP kit in Minimum 1000 Govt. Schools of India in a single work order/ contract in last 5 years from the date of submission of bids. **For MSME/NSIC registered bidder:** Bidder should have experience in supply of TLM/LEP kit in Minimum 800 Govt. Schools of India in a single work order/ contract in last 5 years from the date of submission of bids.	Copy of work order/ MoU/ 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.
5.	The bidder should have an experience of supply of minimum 100,000 number of TLM/LEP Kits in government schools of India in single work order in last 5 years from the date of submission of bids. **For MSME/NSIC registered** The bidder should have an experience of supply of minimum 80,000 number of TLM/LEP Kits in government schools of	Copy of work order/MoU/ completion certificate from client /email from client on project completion/ Installation Certificate duly certified from client.

	India in single work order in last 5 years from the date of submission of bids.	
7.	The Bidder should have the following certificates: • ISO 9001 • ISO 14001 • ISO 20001 • ISO 27001	• Copies of the valid certificates.
8.	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.
9.	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
10.	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 • MAF should be submitted for all the items asked in the sample submission
11.	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.
12.	The bidder must submit samples for following solutions before the last date of bid submission: 1. Science and Mathematics Kits 2. Learning Enhancement Programme (Remedial Teaching) 3. Teaching-Learning Materials (TLM) 4. TLM Park 5. Outdoor Play Materials 6. Sports & Physical Education Equipment 7. Sports Equipment 8. Science / Mathematics Circles 9. ECCE Kit – Jaadui Pitara AND	Physical Samples Packed in box to be submitted Audited Profit and Loss Statement and Balance sheets of OEM for FY 2022-23, 2023-24 and 2024-2025. Auditor Certificate of OEM clearly specifying the turnover along with Profit and Net-worth during the FY 2022-23, 2023-24 and 2024-2025.

	The OEM of the above solutions should have a minimum average annual turnover of Rs- 50 Cr in the last 3 financial Years	

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) 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.N.	Description	Evaluation Criteria	Max Marks
1.	The bidder should be in operation in India for at least last 5 years as on the date of submission of the bid.	10 years and above: 10 Marks	**10**
		7 years to less than 10 years: 7.5 Marks	
		5 years to less than 7 years: 5 Marks	
2.	Bidder must have minimum average annual turnover of Rs. 30 crores during the last three financial year i.e., 2022-23, 2023-24 and 2024-2025.	40 Crores and above: 10 Marks	**10**
		35 Crores and above but less than 40 Crore – 7.5 Marks	
		30 Crores and above but less than 35 Crore – 5 Marks	
3.	Bidder should have the experience of implementation of TLM/LEP in government schools in last 5 years from the date of submission of bids • Two work orders each of value not less than Rs 8 crore each will be counted as 1 project. OR • Single work orders of value not less than Rs 15 crore will be counted as 1 project.	No. of Project≥ 2: 10 Marks	**10**
		No. of Project=1: 5 Marks	

4	Bidder should have experience in supply of TLM/LEP kit in Minimum 1000 Govt. Schools of India in a single work order/ contract in last 5 years from the date of submission of bids.	More than 1200 Nos. - 15 Marks	**15**
		1100 Nos. to 1200 Nos.- 10 Marks	
		1000 Nos. to 1100 Nos. - 5 Marks	
5.	The bidder should have an experience of supply of minimum 100,000 number of TLM/LEP Kits in government schools of India in single work order in last 5 years from the date of submission of bids.	More than 1,20,000 Kits: 15 Marks	**15**
		1,10,000 to 1,20,000 Kits: 10 Marks	
		1,00,000 to 1,10,000 Kits: 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**
7.	Demonstration & presentation of approach methodology of implementation. (Online/Physical)	Kit demonstration of asked Sample Kits- 10 Marks Past Experience of Students Training in 21st century Skills & Career Counselling Sessions in Government Schools– Content-10 Marks Approach Methodology on understanding of project objectives, scope of work, deliverables, and implementation requirements as outlined in the RFP- 10 Marks	**30**

For MSME/NSIC Registered bidder/Startups

S.N.	Description	Evaluation Criteria	Max Marks
1.	The bidder should be in operation in India for at least last 4 years as on the date of submission of the bid.	8 years and above: 10 Marks	**10**
		6 years to less than 8 years: 7.5 Marks	
		4 years to less than 6 years: 5 Marks	
2.	Bidder must have minimum	35 Crores and above: 10 Marks	**10**

	average annual turnover of Rs. 25 crores during the last three financial year i.e., 2022-23, 2023-24 and 2024-2025.	30 Crores and above but less than 35 Crore – 7.5 Marks	
		25 Crores and above but less than 30 Crore – 5 Marks	
3.	Bidder should have the experience of implementation of TLM/LEP in government schools in last 5 years from the date of submission of bids • Two work orders each of value not less than Rs 6.5 crore each will be counted as 1 project. OR • Single work orders of value not less than Rs 12 crore will be counted as 1 project.	No. of Project≥ 2: 10 Marks	**10**
		No. of Project=1: 5 Marks	
4	Bidder should have experience in supply of TLM/LEP kit in Minimum 800 Govt. Schools of India in a single work order/ contract in last 5 years from the date of submission of bids.	More than 1000 Nos. - 15 Marks	**15**
		900 Nos. to 1000 Nos.- 10 Marks	
		800 Nos. to 900 Nos. - 5 Marks	
5.	The bidder should have an experience of supply of minimum 80,000 number of TLM/LEP Kits in government schools of India in single work order in last 5 years from the date of submission of bids.	More than 90,000 Kits: 10 Marks	**10**
		85,000 to 90,000 Kits: 7.5 Marks	
		80,000 to 85,000 Kits: 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**

7.	Demonstration & presentation of approach methodology of implementation. (Online/Physical)	Kit demonstration of asked Sample Kits- 10 Marks Past Experience of Students Training in 21st century Skills & Career Counselling Sessions in Government Schools– Content-10 Marks Approach Methodology on understanding of project objectives, scope of work, deliverables, and implementation requirements as outlined in the RFP- 10 Marks	**30**

Note: Only those bidders who secure at least **60 marks** in the Technical Evaluation shall be deemed technically qualified and shall qualify for evaluation of their Financial Bid.

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+3
4.	Delivery of all the supply components	T+6
5.	Completion of all the installation components	T+8
6.	Completion of Training and hand holding	T+10

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

7.2 Payment Terms

S.No	Milestone	Payment
1.	Payment upon successful delivery and PDI of LEP, TLM, TLM Park, Science and Maths Kit, Sanitary Pad, Child Friendly Furniture, Outdoor Play Material, Fund for Safety and Security, Sports Equipment, Desktop Computer/Tablet, Lab Equipment (Science, Physics, Chemistry, Biology), Sports and Physical Education Equipment Submission of Documents: • PDI Certificate issued by the EdCIL/Client (signed and stamped) as applicable. • Original Tax Invoice (with contract details, quantity, and unit price) • Original delivery certificate signed by concerned HOS/HM/AHM • E-way Bills	50% of total work order value
2.	Payment upon successful installation and setup of Infrastructure (TLM Parks, ICT equipment, Furntiture,	20% of total work order value

	Lab Equipment, Outdoor Play, BALA, School Enhancement activities & Sanitary Pad Incubators Submission of Documents: • Original Tax Invoice (with contract details, quantity, and unit price) • Original installation & commissioning report from concerned HOS/HM/AHM	
4.	Training & Programme Rollout (Remedial Teaching, 21st Century Skills, Financial Literacy, Adolescent Programme, Career Guidance) Submission of Documents: • Attendance Sheet • Training Completion Report	20% of total work order value
5.	Final Completion, Monitoring & Sustainability Support (Monitoring Report, Final Assessment, 1-year maintenance) • Final Completion Report • Impact Assessment • Maintenance Warranty Documents	10% 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 different educational solutions in various Schools across 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.

We confirm herewith that our company is not blacklisted, debarred or prosecuted by any central Government or state Government department/Government Organization/PSU for corrupt, fraudulent or any other unethical business practices. We do not have any litigation pending with any of the Govt. Organizations.

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.	2022-23			
2.	2023-24			
3.	2024-25			
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 different educational solutions in various Schools across 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 different educational solutions in various Schools across 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

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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

Technical Specifications

Solution 1: Science and Math Kits

This solution ensures the supply of curriculum-aligned Science and Math Kits to strengthen hands-on learning in Science and Mathematics across schools. The bidder shall supply complete Elementary and Secondary level kits that support inquiry-based, practical learning aligned with NCERT and Samagra Shiksha guidelines. A total of 1200 Science Kits and 1200 Math Kits (for 663 Elementary and 537 Secondary schools) under Samagra Shiksha and 81 Science Kits and 81 Math Kits for 81 PM SHRI schools (for both Elementary and Secondary schools) will be delivered at the inspectorate level to enhance STEM learning environments.

The major components factored for the solution are listed below:

i. Procurement and supply of age-appropriate Science and Math Kits for Elementary and Secondary levels, aligned with curriculum-based learning outcomes.

ii. Kits must be child-safe, non-toxic, durable, and compliant with NCERT quality and safety standards.

iii. Delivery to designated inspectorate locations, along with delivery certificate.

Science and Math Kits (Elementary) Samagra (663 Units)			
S.N.	**Item Name**	**Technical Specification**	**Quantity**
1	Spring balance	A.B.S., open type, capacity 250 g, graduation in steps of 10 g on one side and Newton's on the other side.	2
2	Slinky	Steel Wire Spiral roll, outer diameter 52 1 mm and close size 68 mm to 70 mm.	1
3	Plain Mirror Strip	Good quality, 150mm x30 mm x2nun. A small plastic block with a slit to hold a mirror strip	2
4	Pith/ Plastic Ball	Diameter. 12 mm, solid, hole throughout centre.5mm.	1
5	Yoyo	X-shaped plastic wheel dia. 116mm 40142mmfitted with 1.5m nylon thread.	1
6	Ice Cream Spoon	Good quality Wooden.	1
7	Claw Hammer with Handle	Forged, approximate weight 225 gm with a wooden handle.	1
8	Magnifying Glass	Optical glass, focal length 120 mm, with plastic handle.	1
9	Triangular Glass Prism	Glass Prism 25/28 nun of equilateral triangles	1
10	U clip/Paper clip	Standard medium size	1
11	Knife/Cutter	100 mm x 1.5 mm, hardened steel, with wooden/ elastic handle	1
12	Set of 10 Metals	10 different types of metal fixed on round plastic moulded showcase having diameter 150mm and depth 22mm. And abs plastic disk caring different type of metal can be	1

		easily lock and unlock in showcase by 150mm*25mm	
13	Set of 10 Non-Metals	10 different types of non-metals fixed on round plastic moulded showcase having diameter 230mm and depth 22mm. And abs plastic disk caring different type of non - metal can be easily lock and unlock in showcase by press fitting .overall dimension 230mm*25mm	1
14	2-piece connector	2-piece multipurpose connector of size 15mm x 0.8mm compatible with brick board. The connector should be made of high-quality ABS material.	1
15	3-piece connector	3-piece multipurpose connector of size 21mm x 0.8mm compatible with brick board. The connector should be made of high-quality ABS material.	
16	Hollow Spacer	10mm diameter and 1mm thickness plastic hollow spacer. The connector should be made of high-quality ABS material.	
17	T connector	15mm x 10mm T connector compatible with the provided shafts such that the vertical part of the T-shape has a plus shape hole and the horizontal part of the T-shape has a round shape hole. The hole diameter should be of 8mm. The connector should be made of high quality ABS material.	
18	1 x 3 (2 way Free connector)	20mm x 0.8mm Brick connector such that after connecting the brick/connector should move freely. The connector should be made of high quality ABS material.	
19	5 x 1 brick – A	50mm x 10mm x 10mm brick with 5 holes. The holes dimensions should be of 8mm each. The brick should be made of ABS material.	
20	11 x 1 Brick	110mm x 10mm x 10mm multipurpose connector bricks having 1 row of 11 holes. The holes dimensions should be of 8mm each. The connector should be made of high quality ABS material.	
21	Shaft – a	Minimum length 60mm. It should be made of high quality ABS material.	
22	Shaft – b	Minimum length 100mm. It should be made of high - quality ABS material.	
23	Dissembling tool	90 x 15 x 15 mm dissembling tool. Compatible for 2-piece connector and T connectors. It should be made of high-quality ABS material.	
24	11 x 7 Brick Board	111mm x 70mm x 10mm Multipurpose base brick for	

		connectors having 77 holes compatible with provided bricks and other provided connectors. It should be made of high quality ABS material.	
25	Spur Gear 1	20mm diameter and 10mm thickness plastic spur gear compatible with provided shaft. It should be made of high-quality ABS material.	
26	Spur Gear 2	60mm diameter and 10mm thickness Plastic spur gear compatible with provided motor shaft. It should be made of high-quality ABS material.	
27	Gear Box with motor with battery holder - a	80.5mm x 28.75mm x 48.5mm 1A) Plastic Gear casing for toy motor, such that casing has provision for a side shaft 1B) Gear mechanism such that students should be able to see the inner gear mechanism 1C) Standard 3V DC toy motor All of the above should be provided in assembled form Should have a 2 AA battery closed holder and a slide switch to control the direction.	
28	Shaft – c	Minimum length 170mm. It should be made of high-quality ABS material.	
29	Idler gear	20mm diameter and 10mm thickness plastic spur gear. It should be made of high-quality ABS material.	
30	3D Transparent Big Cuboid	Hollow cuboid with lid of size - 30mmX60mmX60MM, made up of 1.5 mm thick transparent acrylic material	1
31	3D transparent cone	Hollow cone with lid of size - Dia 60mmX60mm height, made up of 1.5 mm thick transparent acrylic material	1
32	3D transparent small cuboid	Hollow cuboid with lid of size - 30mmX60mmX60MM, made up of 1.5 mm thick transparent acrylic material	1
33	3D transparent sphere	Hollow sphere with lid of size - diameter 60mm, made up of 1.5 mm thick transparent acrylic material	1
34	Angle sum property of quadrilateral	0.3cm thick Acrylic: 29.5 x 29.5 Cm. all angles should be detachable and packed in separate box	1
35	GEO board	ABS material, 210 x 210 x 15 mm. One face has grids of 10 mm square 2.5mm x 7mm dowel inbuilt 17 square each line 18 dowels in built every line total square 289	2
36	Number board (1 to 100)	Made up of 5mm thick multi-color Acrylic sheet. Board size: 1ft x 1 ft	2
37	Number game 1 to 8 puzzle	Made up of 5mm multi-color wood. Size of the frame: 26 cm x 20 cm x 1 cm. size of buttons: 3 cm diameter and 5mm thickness. Buttons should be embossed with number.	1

Science and Math Kits (Secondary) Samagra 537 Units			
S.No.	**Item Name**	**Technical Specification**	**Quantity**
1	Magnetic Compass	Metal case, polystyrene transparent top, magnetized needle with north marked red and south marked blue, 50 mm size.	1
2	Full Protractor	Transparent plastic dia. 125 mm, approx. thickness 2 mm. Double angle marking 0-360	1
3	Tuning Fork and rubber pad	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	1
4	U-Shape Magnet	Arm length 50 1mn, N and S poles to be marked. Alinco	1
5	Spirit Lamp	Steel body along with brass wick holder dia. 65mm, height 50mm	1
6	Tripod Stand	Height 100mm cast iron top 7x7x7cm triangle, legs dia. 4mm.	1
7	Laboratory Stand 1) Boss head 2) Clamp 3) G clamp	MS rod diameter 10 mm x 375 mm long, MS base, CI Boss head, G clamp and V-type clamp.	1
8	Test Tube Stand	Acrylic Plastic molded size 100 1mn x 27 mm x 20 mm, 04 blind holes to hold Micro Test Tubes dia. 10mm, depth of hole 15mm.	4
9	China Dish	Outer diameter 70mm/751mn.	1
10	Wash Bottle	LDPE, capacity 125 ml. good quality	1
11	Forceps	Stainless steel, length 100 mm.	1
12	Test Tube Brush	Soft hairs.	1
13	Test Tube Holder	Wooden handle, Length 200 mm to hold the test tubes up-to 10 mm diameter, plated.	1
14	Sand Paper	Standard, Grit-60 and 120 number.	1
15	Transparent stiff plastic tube	Dia. 6 mm x 500 mm length	1
16	Glass Dropper with Rubber Bulb	Borosilicate glass, length 100 mm, capillary length 20 mm, diameter 06 mm.	2
17	Transparent PVC plastic tube with stoppers	Diameter 22 mm, thickness 02 mm, 50 cm long, with stoppers at both ends.	1
18	Filter Paper	Ordinary. Circular of dia. 100 mm	10
19	Mirror/Lens stand	Plastic mirror stands 120mm x 30mm x 7 5 mm. height with base.	1
20	Plug Key	One way plug key (Brass), base 80 mm x 55 mm.	1
21	Blotting paper	100 mm x 100 mm	10
22	Crocodile Clips	Clips 50 mm, Plated, standard flexible wire 76, 50 cm long. Each set having two wires.	1
23	Pair of Tongs	Dia. 05 1mn, overall length 160 mm, chrome plated.	1

24	Surgical Scissors	125 standards. mm, one prong blunt and other pointed	1
25	Screw driver	Dia 6mmxl00 mm long, hardened, with, plastic handle	1
26	Capillary Tube	Soda glass. dia. 1.5 mm x 100mm.	1
27	Beaker (50mL)	Borosilicate glass, capacity 50 mL, height 56 mm, dia. 42 mm. with rim.	1
28	Micro Beaker 10ml	Borosilicate glass, capacity 10 mL, height 30 mm, dia. 20 mm. with rim.	2
29	Glass tube	Glass tube dia. 6mm. x 150 mm.	1
30	W-tube	Borosilicate glass, 2 mm thick x 8 mm dia. having length of arm 70-75 mm with wide mouth in one arm.	4
31	Measuring Flask	25mL capacity	1
32	Round Bottom Flask	Borosilicate glass, capacity 35 mL	1
33	Shaving blade	One Packet Having 5 blades	1
34	Double Concave Lens	Glass, Focal length 20 cm and dia. 50 mm.	1
35	Double Convex Lens	Glass, Focal length 20 cm and dia. 50 mm.	1
36	Concave Mirror	Glass, Focal Length 20 cm, dia. 5cm.	1
37	Convex Mirror	Glass, Focal Length 20 cm, dia. 5cm.	1
38	Triangular Glass Prism	Glass Prism 25/28 nun of equilateral triangles	1
39	Laboratory Thermometer	Glass, alcohol filled, -100 C to 110° C, graduation 1 ° C with card board/plastic cover and cotton at both ends.	1
40	Plastic Boxes	Appropriate size to keep all glass items. 2 Boxes of size 70 mm x 130 mm x 75 mm each 1 box of size 230 mm x 128/130 mm x 85 mm Glass ware items to be packed in all these boxes.	2
41	Overflow can	Plastic transparent with built in base, height 130mm and dia. 55 mm with over flow pipe dia. 8mm	1
42	U-tube (glass/plastic)	Borosilicate glass/plastic, 2mm thick 8mm dia. having length of arms 15 cm. making total tube length of 3 7 cm	1
43	Rubber tube	Length 30-40 cm This rubber tube should be of diameter such that it gets fitted with the funnel (item no. 24) and U- tube (item no.-110	1
44	Digital Stop Clock	8digit 0.01 least count, count up, count down.	1
45	Torch bulb with holder	Screw type bulb holder with tag for connection and bulb of3V	2
46	Measuring Pan with Holder	Plastic pan, dish type dia. 80mm, with wire holder	1

47	U clip/Paper clip	Standard medium size	1
48	Knife/Cutter	100 mm x 1.5 mm, hardened steel, with wooden/ plastic handle	1
49	Split Cork	Rubber cork of axial length 27/30 mm, smaller face dia. 20 mm. bigger face dia. 25 mm. in the two equaled arts (Cork No. 7)	1
50	Plano concave lens	Spherical Plano Lenses made from Perspex sheet of size 50 mm x 20 mm x 12 mm.	2
51	Conductivity tester kit	A single component instrument made of high-quality acrylonitrile butadiene styrene material. The component should be of size 13.6 x 6.8 x 2.4 mm and should have metal loops on both ends. It should have faces printed on it. It should work on two regular coin cells and has an on/off switch. Notes should be played when both the loops are connected with each other indicating conductivity. It should cover the concept of Conductivity. It should help students to interact. It should even be able to make a human piano. The kit should have a user manual to demonstrate working.	1
52	Area of Parallelogram	Made up of 3mm multi-color acrylic sheet packed in separate box. Model for explanation of formula. Length 15cm and breadth 20 cm	1
53	Area of Trapezium	Made up of 3mm multi-color acrylic sheet packed in separate box. Model for explanation of formula. length 15cm and breadth 20 cm	1
54	Geo board	A colored square geo board of size:20cmx20cmwith both side pegs of size 22 mm x 6 mm, height of the geo board corners should be 55 mm. thickness of the geo board :6mm. On one side 25 equidistant pegs making a square & on the other side 12 pegs making a circle & 13 peg in centre material: plastic packed in a suitable plastic pack.	1
55	Stencil of shapes	It contains a transparent plastic having 24 different cut shapes. Stencil of size-200x140x3mm	2

Science and Math Kits (Elementary & Secondary) PM SHRI 81 Units			
S.N.	**Item Name**	**Technical Specification**	**Quantity**
1	Magnetic Compass	Metal case, polystyrene transparent top, magnetized needle with north marked red and south marked blue, 50 mm size.	1
2	Full Protractor	Transparent plastic dia. 125 mm, approx. thickness 2 mm. Double angle marking 0-360	1
3	Tuning Fork and rubber pad	Mild Steel flattened 06 x 3.4 mm, prongs 110 mm long, frequency 256 Hz. A piece of a rubber pad of 70 mm x 50 mm x 8 mm	1
4	U-Shape Magnet	Arm length 50 1mn, N and S poles to be marked. Alinco	1

5	Spirit Lamp	Steel body along with brass wick holder dia. 65mm, height 50mm	1
6	Tripod Stand	Height 100mm, cast iron top 7x7x7cm triangle, legs dia. 4mm.	1
7	Laboratory Stand 1) Boss head 2) Clamp 3) G clamp	MS rod diameter 10 mm x 375 mm long, MS base, CI Boss head, G clamp and V-type clamp.	1
8	Test Tube Stand	Acrylic Plastic molded size 100 1mn x 27 mm x 20 mm, 04 blind holes to hold Micro Test Tubes dia. 10mm, depth of hole 15mm.	4
9	China Dish	Outer diameter 70mm/751mn.	1
10	Wash Bottle	LDPE, capacity 125 ml, good quality	1
11	Forceps	Stainless steel, length 100 mm.	1
12	Test Tube Brush	Soft hairs.	1
13	Test Tube Holder	Wooden handle, Length 200 mm to hold the test tubes up to 10 mm diameter, plated.	1
14	Sand Paper	Standard, Grit-60 and 120 numbers.	1
15	Transparent stiff plastic tube	Dia. 6 mm x 500 mm length	1
16	Glass Dropper with Rubber Bulb	Borosilicate glass, length 100 mm, capillary length 20 mm, diameter 06 mm.	2
17	Transparent PVC plastic tube with stoppers	Diameter 22 mm, thickness 02 mm, 50 cm long, with stoppers at both ends.	1
18	Filter Paper	Ordinary. Circular of dia. 100 mm	10
19	Mirror/Lens stand	Plastic mirror stands 120mm x 30mm x 7 5 mm. height with base.	1
20	Plug Key	One-way plug key (Brass), base 80 mm x 55 mm.	1
21	Blotting paper	100 mm x 100 mm	10
22	Crocodile Clips	Clips 50 mm, Plated, standard flexible wire 76, 50 cm long. Each set has two wires.	1
23	Pair of Tongs	Dia. 05 1mn, overall length 160 mm, chrome plated.	1
24	Surgical Scissors	125 standards. mm, one prong blunt and other pointed	1
25	Screw driver	Dia 6mmxl00 mm long, hardened, with, plastic handle	1
26	Capillary Tube	Soda glass. dia. 1.5 mm x 100mm.	1
27	Beaker (50mL)	Borosilicate glass, capacity 50 mL, height 56 mm, dia. 42 mm. with rim.	1
28	Micro Beaker 10ml	Borosilicate glass, capacity 10 mL, height 30 mm, dia. 20 mm. with rim.	2
29	Glass tube	Glass tube dia. 6mm. x 150 mm.	1
30	W-tube	Borosilicate glass, 2 mm thick x 8 mm dia. having length of arm 70-75 mm with wide mouth in one arm.	4
31	Measuring Flask	25mL capacity	1

32	Round Bottom Flask	Borosilicate glass, capacity 35 mL	1
33	Shaving blade	One Packet Having 5 blades	1
34	Double Concave Lens	Glass, Focal length 20 cm and dia. 50 mm.	1
35	Double Convex Lens	Glass, Focal length 20 cm and dia. 50 mm.	1
36	Concave Mirror	Glass, Focal Length 20 cm, dia. 5cm.	1
37	Convex Mirror	Glass, Focal Length 20 cm, dia. 5cm.	1
38	Triangular Glass Prism	Glass Prism 25/28 nun of equilateral triangles	1
39	Laboratory Thermometer	Glass, alcohol filled, -100 C to 110° C, graduation 1 ° C with card board/plastic cover and cotton at both ends.	1
40	Plastic Boxes	Appropriate size to keep all glass items. 2 Boxes of size 70 mm x 130 mm x 75 mm each 1 box of size 230 mm x 128/130 mm x 85 mm Glass ware items to be packed in all these boxes.	2
41	Overflow can	Plastic transparent with built in base, height 130mm and dia. 55 mm with over flow pipe dia. 8mm	1
42	U-tube (glass/plastic)	Borosilicate glass/plastic, 2mm thick 8mm diameter having length of arms 15 cm. making total tube length of 37 cm	1
43	Rubber tube	Length 30-40 cm This rubber tube should be of diameter such that it gets fitted with the funnel (item no. 24) and U- tube (item no.-110	1
44	Digital Stop Clock	8digit 0.01 last count, count up, count down.	1
45	Torch bulb with holder	Screw type bulb holder with tag for connection and bulb of3V	2
46	Measuring Pan with Holder	Plastic pan, dish type dia. 80mm, with wire holder	1
47	U clip/Paper clip	Standard medium size	1
48	Knife/Cutter	100 mm x 1.5 mm, hardened steel, with wooden/ plastic handle	1
49	Split Cork	Rubber cork of axial length 27/30 mm, smaller face dia. 20 mm. bigger face dia. 25 mm. in the two equaled arts (Cork No. 7)	1
50	Plano concave lens	Spherical Plano Lenses made from Perspex sheet of size 50 mm x 20 mm x 12 mm.	2
51	Conductivity tester kit	A single component instrument made of high-quality acrylonitrile butadiene styrene material. The component should be of size 13.6 x 6.8 x 2.4 mm and should have metal loops on both ends. It should have faces printed on it. It should work on two regular coin cells and has an on/off switch. Notes should be played when both the loops are connected with each other indicating conductivity. It should cover the concept of Conductivity. It should help students to interact. It	1

		should even be able to make a human piano. The kit should have a user manual to demonstrate working.	
52	Area of Parallelogram	Made up of 3mm multi-color acrylic sheet packed in separate box. Model for explanation of formula. Length 15cm and breadth 20 cm	1
53	Area of Trapezium	Made up of 3mm multi-color acrylic sheet packed in separate box. Model for explanation of formula. length 15cm and breadth 20 cm	1
54	Geo board	A colored square geo board of size:20cmx20cmwith both side pegs of size 22 mm x 6 mm, height of the geo board corners should be 55 mm. thickness of the geo board :6mm. On one side 25 equidistant pegs making a square & on the other side 12 pegs making a circle & 13 peg in centre material: plastic packed in a suitable plastic pack.	1
55	Stencil of shapes	It contains a transparent plastic having 24 different cut shapes. Stencil of size-200x140x3mm	2
56	Spring balance	A.B.S., open type, capacity 250 g, graduation in steps of 10 g on one side and Newton's on the other side.	2
57	Slinky	Steel Wire Spiral roll, outer diameter 52 1mn and close size 68 mm to 70 mm.	1
58	Plain Mirror Strip	Good quality, 150mm x30 mm x2nun A small plastic block with slit to hold mirror strip	2
59	Pith/ Plastic Ball	Dia. 12 mm, solid, hole throughout centre 1.5mm.	1
60	Yoyo	X shaped plastic wheel dia. 116mm 40142mm fitted with 1.5m nylon thread.	1
61	Ice Cream Spoon	Good quality Wooden.	1
62	Claw Hammer with Handle	Forged, approximate weight 225 gm with wooden handle.	1
63	Magnifying Glass	Optical glass, focal length 120 mm, with plastic handle.	1
64	Triangular Glass Prism	Glass Prism 25/28 nun of equilateral triangles	1
65	U clip/Paper clip	Standard medium size	1
66	Knife/Cutter	100 mm x 1.5 mm, hardened steel, with wooden/ plastic handle	1
67	Set of 10 Metals	10 different types of metal fixed on round plastic moulded showcase having diameter 150mm and depth 22mm. And abs plastic disk carrying different type of metal can be easily lock and unlock in showcase by 150mm*25mm	1
68	Set of 10 Non-Metals	10 different types of nonmetals fixed on round plastic moulded showcase having diameter 230mmand depth 22mm. And abs plastic disk carrying different type of non - metal can be easily lock and unlock in showcase by press fitting overall dimension 230mm*25mm	1
69	2-piece	2-piece multipurpose connector of size 15mm x	1

	connector	0.8mm compatible with brick board. The connector should be made of high-quality ABS material.	
70	3-piece connector	3-piece multipurpose connector of size 21mm x 0.8mm compatible with brick board. The connector should be made of high-quality ABS material.	
71	Hollow Spacer	10mm diameter and 1mm thickness plastic hollow spacer. The connector should be made of high-quality ABS material.	
72	T connector	15mm x 10m T connector compatible with the provided shafts such that the vertical part of the T-shape has a plus shape hole and the horizontal part of the T-shape has a round shape hole. The hole diameter should be of 8mm. The connector should be made of high quality ABS material.	
73	1 x 3 (2 way Free connector)	20mm x 0.8mm Brick connector such that after connecting the brick/connector should move freely. The connector should be made of high-quality ABS material.	
74	5 x 1 brick – A	50mm x 10mm x 10mm brick with 5 holes. The holes dimensions should be of 8mm each. The brick should be made of ABS material.	
75	11 x 1 Brick	110mm x 10mm x 10mm multipurpose connector bricks having 1 row of 11 holes. The holes dimensions should be of 8mm each. The connector should be made of high-quality ABS material.	
76	Shaft – a	Minimum length 60mm. It should be made of high-quality ABS material.	
77	Shaft – b	Minimum length 100mm. It should be made of high-quality ABS material.	
78	Dissembling tool	90 x 15 x 15 mm dissembling tool. Compatible for 2-piece connector and T connectors. It should be made of high-quality ABS material.	
79	11 x 7 Brick Board	111mm x 70mm x 10mm Multipurpose base brick for connectors having 77 holes compatible with provided bricks and other provided connectors. It should be made of high-quality ABS material.	
80	Spur Gear 1	20mm diameter and 10mm thickness plastic spur gear compatible with provided shaft. It should be made of high-quality ABS material.	
81	Spur Gear 2	60mm diameter and 10mm thickness Plastic spur gear compatible with provided motor shaft. It should be made of high-quality ABS material.	

82	Gear Box with motor with battery holder – a	80.5mm x 28.75mm x 48.5mm 1A) Plastic Gear casing for toy motor, such that casing has provision for a side shaft 1B) Gear mechanism such that students should be able to see the inner gear mechanism 1C) Standard 3V DC toy motor All of the above should be provided in assembled form Should have a 2 AA battery closed holder and a slide switch to control the direction.	
83	Shaft – c	Minimum length 170mm. It should be made of high-quality ABS material.	
84	Idler gear	20mm diameter and 10mm thickness plastic spur gear. It should be made of high-quality ABS material.	
85	3D Transparent Big Cuboid	Hollow cuboid with lid of size-30mmX60mmX60MM, made up of 1.5 mm thick transparent acrylic material	1
86	3D transparent cone	Hollow cone with lid of size - Dia 60mmX60mm height, made up of 1.5 mm thick transparent acrylic material	1
87	3D transparent small cuboid	Hollow cuboid with lid of size - 30mmX60mmX60MM, made up of 1.5 mm thick transparent acrylic material	1
88	3D transparent sphere	Hollow sphere with lid of size - diameter 60mm, made up of 1.5 mm thick transparent acrylic material	1
89	Angle sum property of quadrilateral	0.3cm thick Acrylic: 29.5 x 29.5 Cm. all angles should be detachable and packed in separate box	1
91	Number board (1 to 100)	Made up of 5mm thick multi-color Acrylic sheet. Board size: 1ft x 1 ft	2
92	Number game 1 to 8 puzzle	Made up of 5mm multi-color wood. Size of the frame: 26 cm x 20 cm x 1 cm. size of buttons: 3 cm diameter and 5mm thickness. Buttons should be embossed with number.	1

Solution 2: Learning Enhancement Program (LEP)

This solution ensures the provision of structured Learning Enhancement Program (LEP) support to strengthen foundational and subject-specific competencies for students of Grades VI–XII. Six (6) months long online sessions will be conducted under Samagra Shiksha and for both Elementary level and Secondary level under PM Shri Scheme, they will be facilitated with the educators to understand cutting edge technology related subjects, in addition to career awareness sessions followed by English, science & math subjects. The bidder shall supply remedial and supplementary learning materials- each set designed for 10 students at the IS level and conduct centralized training sessions through an LMS-based digital learning framework. The program aims to bridge learning gaps, improve academic performance, and enhance student engagement through interactive online sessions, assessments, and data-driven progress tracking.

The major components factored for the solution are listed below:

I. Supply of LEP learning materials at the IS level, including remedial content, supplementary resources, and subject-support materials.
II. Six-month LMS-based online sessions and centralized training, covering science, math, English, technology topics, and career awareness.
III. Submission of delivery and training completion documents as documentary evidence.

LEP (Elementary) Samagra		
S. No.	**Item Name**	**Qty**
1	Map Stencils India	1
2	Map Stencils World	1
3	Magnetic Compass	1
4	Soil Kits	1
5	Different Rock Set	1
6	Coin Set	1
7	2-piece connector	15
8	3-piece connector	10
9	Shaft – a	2
10	Shaft – b	2
11	Suspension spring	2
12	Spoiler	1
13	Mudguards	2
14	Wheels	4
15	Manual (Storybook)	1

3 DAY PHYSICAL LEP ELEMENTARY MODULES					
Day	**Session**	**Duration (Hours)**	**Objective**	**Materials**	**Activities**
1	SCIENCE	1	Understand the basics of magnetism and geology.	Magnetic compass, rock set, soil kits, magnifying glass	Students will use magnetic compasses to explore magnetic fields and directions. They'll examine different rocks with magnifying glasses, identifying unique textures and compositions. Using soil kits, students will analyse soil samples, understanding the minerals and organic material in different soil types. This hands-on activity will help them connect geological concepts to real-world materials.
	TECHNOLOGY	1	Study simple machines and engineering concepts.	Connectors, geo sticks, shafts, fly nut, wheels	Using connectors, geo sticks, and wheels, students build simple machines like levers and pulleys. They observe how different components work together to move objects, learning foundational engineering principles.

	ENGLISH	1	Enhance storytelling and creative writing.	Manual (storybook)	Using the storybook manual, students will read a short story and then create their own ending or continue the story with a twist. They'll develop their storytelling skills by focusing on character development, plot structure, and descriptive language. This activity will encourage creativity and narrative skills, culminating in a brief class-sharing session where students present their stories.
	MATHEMATICS	1	Learn basic geometry.	Geo sticks, protractors, vinyl mat	With geo sticks, protractors, and a vinyl mat, students will explore different shapes and angles. They'll practice creating various polygons, measuring angles, and learning about properties like congruence and symmetry. The vinyl mat will be used as a workspace to map out shapes, helping students visualize geometry concepts in a tangible way.
2	SCIENCE	1	Dive into optics and light.	Concave/convex lenses and mirrors, LED, sundial	Students will investigate light properties using concave and convex lenses, mirrors, and LEDs. They'll experiment with how lenses bend light and create images, and learn the difference between reflection and refraction. By observing shadows and reflections with a sundial, students can understand how light interacts with different surfaces and materials.
	TECHNOLOGY	1	Understand basic circuitry.	LED, jumper cables, pencil cell	Using LED lights, jumper cables, and pencil cells, students will create simple circuits. They'll learn how to connect components to make the LED light up, understanding the concept of an electrical circuit. By experimenting with different configurations, they'll explore how electricity flows and the role each component plays.
	ENGLISH	1	Practice reading comprehension and vocabulary building.	Manual (storybook)	Students will read a story from the storybook and complete comprehension questions. Vocabulary exercises will involve identifying new words from the story and creating sentences. This activity strengthens reading and

					understanding, as well as vocabulary application through context.
	MATHEMATICS	1	Learn algebra concepts.	Algebra identities, counters	Using algebra identities and counters, students will explore basic algebraic principles. They'll practice simplifying expressions and solving simple equations using counters to represent unknowns. This hands-on approach helps demystify abstract concepts and reinforces algebra basics.
3	SCIENCE	1	Study forces and motion.	Suspension spring, wheels, fly nut, spring balance	With suspension springs, wheels, fly nuts, and a spring balance, students will perform experiments to understand force, weight, and motion. They'll measure the force needed to move objects, observe motion changes, and discuss concepts like friction and gravity. These experiments provide a practical grasp of physics principles in action.
	TECHNOLOGY	1	Explore advanced simple machines and structures.	Connectors, shafts, spoiler, mudguards	Students will use connectors, shafts, spoilers, and mudguards to build and test various machine structures. They'll explore the impact of structural design on stability and functionality, gaining insights into how different components interact in mechanical systems like automobiles. This activity fosters an understanding of more complex engineering concepts.
	ENGLISH	1	Develop oral communication skills.	Storybook	Students will choose a story from the storybook to read aloud and discuss. They'll practice clear articulation, expression, and storytelling. The class will provide feedback on clarity and engagement, allowing each student to build confidence in public speaking and oral presentation.
	MATHEMATICS	1	Apply math in real-life scenarios.	Coin set (for numerical practice), congruent	Students will practice solving numerical problems that reflect real-world scenarios using congruent triangles and coin sets. They will apply mathematical concepts like

				triangles set	ratios and proportions, and discuss practical applications in various fields.

LEP (Secondary) Samagra		
S. No.	**Item Name**	**Qty**
1	Washable Vinyl Mat Foldable Sheet	1
2	Algebra Identities (5mm)	1
3	Full Protractor 12.5cm	4
4	Half Protractor 12.5cm	4
5	Fly Nut	15
6	Cut Outs of Counters Set of 40 Piece	1
7	Geo Sticks	4
8	Light Emitting Diode (LED)	2
9	Double Concave lens	1
10	Double Convex lens	1
11	Concave Mirror	1
12	Convex Mirror	1
13	Magnifying glass	1
14	Spring balance	1
15	Sun dial	1
16	Pencil Cell	2
17	Jumper Cable	10
18	Molecular Model Kit	1
19	Periodic Table	1
20	Floating Magnet	1
21	Congruent Triangles	1

3 DAY PHYSICAL LEP SECONDARY MODULES					
Day	**Session**	**Duration (Hours)**	**Objective**	**Materials**	**Activities**
1	SCIENCE	1	Explore advanced physics concepts involving optics and lenses.	Double concave/convex lenses, concave/convex mirrors, LED	Students experiment with concave and convex lenses and mirrors to understand how light bends and reflects. They use LEDs to explore focal points and magnification effects, deepening their understanding of optics.
	TECHNOLOGY	1	Introduction to basic engineering and simple machines.	2-piece and 3-piece connectors, shafts, suspension springs, wheels	Students will work in teams to build basic structures using 2-piece and 3-piece connectors, shafts, and wheels. They'll explore how these simple machines (levers, wheels, and axles) work together to create movement and stability. The

					activity will involve experimenting with suspension springs to understand tension and load, giving them a foundational understanding of engineering concepts.
	ENGLISH	1	Improve analytical reading and persuasive writing.	Manual (storybook), vocabulary cut-outs	Students read a story from the manual and analyze characters' motivations, followed by writing a persuasive piece supporting or opposing a character's actions. Vocabulary cut-outs are used to enhance their language.
	MATHEMATICS	1	Understand advanced geometry and algebraic identities.	Algebra identities, protractors, counters	Using algebra identities and protractors, students solve geometric problems and learn to apply algebraic identities. Counters help them visualize equations, making abstract algebra more concrete.
2	SCIENCE	1	Explore principles of force and motion.	Spring balance, suspension spring, wheels, sundial	Students use spring balances, suspension springs, and wheels to measure force and study motion. They also use a sundial to understand gravitational forces and time measurement principles.
	TECHNOLOGY	1	Introduce electric circuits and their components.	LEDs, jumper cables, resistors, switches, and pencil cells	Students will explore the fundamentals of electric circuits by constructing more complex setups suited for senior secondary level. They will use LEDs, jumper cables, resistors, switches, and pencil cells to build both series and parallel circuits. Through these setups, students will observe how components such as resistors affect current and voltage in each configuration.
	ENGLISH	1	Enhance communication and presentation skills.	Storybook, recording apps	Students read and discuss a short story, then use recording apps to practice summarizing and presenting it. This exercise builds their confidence in public speaking and storytelling.
	MATHEMATICS	1	Work on practical problem-solving with algebra.	Algebra identities, congruent triangles, protractors	Working with algebra identities, congruent triangles, and protractors, students solve real-world problems, applying algebraic concepts to scenarios they might encounter outside the

					classroom.
3	SCIENCE	1	Study chemical bonds and the periodic table.	Molecular model kit, periodic table	Students will investigate chemical bonding through hands-on experiments and model-building to understand molecular structures and interactions. They'll conduct simple reactions and use molecular model kits to represent the resulting compounds, deepening their grasp of bonding types and periodic trends.
	TECHNOLOGY	1	Explore advanced structures and robotics.	Connectors, geo sticks, wheels	Students build complex structures with connectors and geo sticks, exploring stability and balance. They also get an introduction to basic robotics, seeing how structures and movement integrate.
	ENGLISH	1	Develop debate and critical thinking skills.	Vocabulary cut-outs, recording apps	Using vocabulary cut-outs, students prepare and engage in a debate on a topic. They analyse arguments, practice critical thinking, and record their sessions to review and improve their speaking skills.
	MATHEMATICS	1	Practice advanced problem-solving with trigonometry and algebra.	Algebra and geometry tools	Students will apply trigonometric identities and algebraic equations to solve real-world problems involving angles, distances, and heights. Using protractors, rulers, and calculators, they will work through practical scenarios, such as measuring the height of an object using angle of elevation or calculating distances across uneven terrain.

LEP (Elementary & Secondary) PM Shri		
S. No.	**Item Name**	**Qty**
1	Map Stencils India	1
2	Map Stencils World	1
3	Magnetic Compass	1
4	Soil Kits	1
5	Different Rock Set	1
6	Coin Set	1
7	Manual (Storybook)	1

8	Washable Vinyl Mat Foldable Sheet	1
9	Algebra Identities (5mm)	1
10	Fly Nut	12
11	Cut Outs of Counters Set of 40 Piece	1
12	Geo Sticks	2
13	Concave Mirror	2
14	Convex Mirror	2
15	Magnifying glass	2
16	Light Emitting Diode (LED)	4
17	Pencil Cell	2
18	Jumper Cable	8
19	Spring balance	1
20	Sun dial	1
21	Molecular Model Kit	1
22	Periodic Table	1
23	Floating Magnet	1
24	Congruent Triangles	1

3 DAY PHYSICAL LEP ELEMENTARY &SECONDARY MODULES

Day	Session	Duration (Hours)	Objective	Materials	Activities
1	SCIENCE	1	Understand the basics of magnetism and geology.	Magnetic compass, rock set, soil kits, magnifying glass	Students will use magnetic compasses to explore magnetic fields and directions. They'll examine different rocks with magnifying glasses, identifying unique textures and compositions. Using soil kits, students will analyse soil samples, understanding the minerals and organic material in different soil types. This hands-on activity will help them connect geological concepts to real-world materials.
	ENGLISH	1	Enhance storytelling and creative writing.	Storybook	Using the storybook manual, students will read a short story and then create their own ending or continue the story with a twist. They'll develop their storytelling skills by focusing on character development, plot structure, and descriptive language. This activity will encourage creativity and narrative skills, culminating in a brief class-sharing session where students present their stories.
	MATHEMATICS	1	Understand advanced geometry and	Algebra identities & protractors	Using algebra identities and protractors, students solve geometric problems and learn to apply algebraic identities.

			algebraic identities.		
	TECHNOLOGY	1	Understand basic circuitry.	LED, jumper cables, pencil cell	Using LED lights, jumper cables, and pencil cells, students will create simple circuits. They'll learn how to connect components to make the LED light up, understanding the concept of an electrical circuit. By experimenting with different configurations, they'll explore how electricity flows and the role each component plays.
2	SCIENCE	1	Dive into optics and light.	Concave/convex lenses and mirrors, LED	Students will investigate light properties using concave and convex lenses, mirrors, and LEDs. They'll experiment with how lenses bend light and create images, and learn the difference between reflection and refraction. By observing shadows and reflections with a sundial, students can understand how light interacts with different surfaces and materials.
	ENGLISH	1	Practice reading comprehension and vocabulary building.	Storybook	Students will read a story from the storybook and complete comprehension questions. Vocabulary exercises will involve identifying new words from the story and creating sentences. This activity strengthens reading and understanding, as well as vocabulary application through context.
	MATHEMATICS	1	Apply math in real-life scenarios.	Coin set (for numerical practice)	Students will practice solving numerical problems that reflect real-world scenarios using congruent triangles and coin sets. They will apply mathematical concepts like ratios and proportions, and discuss practical applications in various fields.
	TECHNOLOGY	1	To demonstrate traffic light functioning and basic circuit concepts	LEDs, jumper cables, and pencil cells	Using the given materials, students create a simple traffic signal model using three LEDs (red, yellow, and green), pencil cells, and jumper cables. The LEDs are fixed vertically on cardboard to resemble a traffic light, and each is connected to a battery through a switch or paperclip. By turning the LEDs on in sequence—red for stop, yellow for ready, and green for go—students learn how real traffic signals control vehicle movement.

3	SCIENCE	1	Study chemical bonds and the periodic table.	Molecular model kit, periodic table	Students will investigate chemical bonding through hands-on experiments and model-building to understand molecular structures and interactions. They'll conduct simple reactions and use molecular model kits to represent the resulting compounds, deepening their grasp of bonding types and periodic trends.
	ENGLISH	1	Develop oral communication skills.	Storybook	Students will choose a story from the storybook to read aloud and discuss. They'll practice clear articulation, expression, and storytelling. The class will provide feedback on clarity and engagement, allowing each student to build confidence in public speaking and oral presentation.
	MATHEMATICS	1	Practice advanced problem-solving with trigonometry and algebra.	Algebra and geometry tools	Students will apply trigonometric identities and algebraic equations to solve real-world problems involving angles, distances, and heights. Using protractors, rulers, and calculators, they will work through practical scenarios, such as measuring the height of an object using angle of elevation or calculating distances across uneven terrain.
	TECHNOLOGY	1	Explore advanced structures and robotics.	Geo sticks	Students build complex structures with geo sticks, exploring stability and balance. They also get an introduction to basic robotics, seeing how structures and movement integrate.

Solution 3: TLM for Implementation of Innovative Pedagogies

This solution ensures the supply of interactive, child-friendly Teaching Learning Materials (TLMs) that promote active learning, foundational skill development, and competency-based pedagogy. The bidder shall provide grade-appropriate, contextually relevant TLM kits, each set designed for 50 students - including storybooks, puzzles, board games, and educational toys that support creativity, critical thinking, and experiential learning. The initiative aims to enhance classroom engagement and strengthen literacy, numeracy, and subject understanding through innovative pedagogical tools.

The major components factored for the solution are listed below:

i. Supply of TLM kits (1 set for 50 students) including storybooks, puzzles, board games, educational toys, and activity-based learning aids.
ii. All materials must be child-safe, durable, and pedagogically aligned with NCERT/SCERT guidelines.
iii. Submission of inspectorate-level delivery certificates as documentary evidence.

TLM (Pre-Primary to Grade 2) Samagra & PM Shri		
S. No.	**Item Name**	**Nos**
1	Farm Animal – Puzzle	2
2	Wild Animal – Puzzle	2
3	Body Parts – Puzzle	2
4	Snow Flake Blocks	2
5	Pattern Blocks	2
6	Pipe Blocks	2
7	Magnetic Drawing Board	2
8	Shape Matching Game – Alphabet	2
9	Writing Board	8
10	2 in 1 Piano & Xylophone	2
11	Soft Ball – Number	2
12	Soft Ball – Alphabet	2
13	Colorful Box with Handle	1
14	Thick Building Blocks	2
15	Wax Crayons – Pack of 12	8
16	Emotional Soft Ball – Pack of 10	2
17	Abacus	2
18	Vegetables – Puzzle	2
19	Fruits – Puzzle	2
20	Body Parts – Puzzle	2
21	Family Tree – Puzzle	2
22	Daily Habits – Puzzle	2
23	Pipe Blocks	2
24	Colorful Popsicle – Pack of 100	2
25	Tracing Board – Number	2
26	Tracing Board – Alphabet	2

TLM Head TLM (Grade III-V) Samagra 2725 Units		
S. No.	**Item Name**	**Nos**
1	4 Rod Abacus	2
2	Solid Shapes	2
3	Jenga	2
4	Mathematics Ludo	2
5	Geoboard	2
6	Pattern Blocks	2
7	Counting Sticks	2
8	Flexible Ruler	5
9	Math Balance	2
10	Sentence Building Kit	2
11	Memory Match Game	2
12	Tile Puzzle Battle	2
13	Hand Puppets	10
14	Building Nails Blocks	2
15	Querky	2
16	Colorful Box with Handle	1

TLM (Grade I-V) PM Shri		
S. No.	**Item Name**	**Nos**
1	Math's Mala – 100	2
2	Tangram	2
3	Math Run	2
4	Star Links Blocks	2
5	Building Blocks	2
6	Word Wheel	2
7	Color Shorter 5	2
8	Memory Match Sticks	2
9	Spelling Matching Game with Flash Card	2
10	Colorful Box with Handle	1
11	Jenga	2
12	Rubic Cube	5
13	Pattern Blocks	2
14	Mathematics Ludo	2
15	Scrabble Board	2
16	4 Rod Abacus	2
17	Math Balance	2
18	Solid Shapes	2

Solution 4: TLM Park

This solution ensures the establishment of experiential TLM Parks under PM SHRI, designed to promote hands-on, exploratory learning through outdoor installations and activity stations. The bidder shall supply and install interactive materials, puzzles, learning boards, and theme-based educational displays that support literacy, numeracy, science, and environmental education. Aligned with NEP 2020, the TLM Park fosters curiosity, creativity, and inclusive learning for students from diverse linguistic and cultural backgrounds.

The major components factored for the solution are listed below:

i. Supply and installation of outdoor TLM Park components, including puzzles, learning boards, experiential activity stations, and subject-integrated installations.
ii. All materials must be durable, weather-resistant, child-safe, and pedagogically aligned with NCERT/SCERT guidelines.
iii. School-level installation and submission of installation commissioning report as documentary evidence.

TLM Park (Elementary) Samagra			
S. N.	**Name**	**Description**	**Qty**
1	PYTHAGORAS THEOREM 1	Dimensions: 6" * 6" The kit includes a plastic right-angled triangle measuring (3-4-5) inches and a set of squares on each of the three sides, each with a printed grid of square inches.	1
2	(a + b + c)2	Dimensions: 16.14" * 16.14" This tool assists you in deducing, exploring, and formulating the identity, and it	1

		can also serve for demonstrations on a magnetic board.	
3	(a + b)2 − (a − b) 2 = 4ab	Dimensions: 16.14" * 16.14" This tool aids in deriving, examining, and generalizing identities, and it can also be utilized for demonstrations on a magnetic board.	1
4	$(a + b)^2$, $(a - b)^2$, and $a^2 - b^2$	Dimensions: 5.90" * 5.90" This kit enables children to generalize and derive algebraic identities such as $(a + b)^2$, $(a - b)^2$, and $a^2 - b^2$.	1
5	PARALLELOGRAM	Dimensions: 6.69" * 5.11" The set of 6 parallelograms in 6 colors is a highly valuable resource for categorizing parallelograms and exploring properties and theorems associated with them.	1
6	SET OF TRIANGLES	This set comprises right triangles in three different dimensions and three different colors. 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
7	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
8	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
9	INTEGERS	Diameter: 1.8cm A collection of 100 pieces, double-sided integer counters prove highly beneficial for middle school children grappling with integers. These counters facilitate the comprehension of integer concepts, including addition, subtraction, multiplication, and division.	1
10	NEWTON COLOUR DISC	Type: Model Material & Size: This activity contains of a wheel and color template, motor and stand. length Breath and height of Newton Color Disc (20x15x25) cm, width is similar to breath 15cm, Disc Diameter Typically around 20 cm Base Usually made of plastic, The disc is made of lightweight plastic. USE: A Newton Color Disc is a tool used to show how different colors of light combine to make white light. It's named after the famous scientist Isaac Newton.	1

11	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
12	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/aluminum. 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
13	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 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	1
14	BAKING SODA	Baking Soda	1
15	GREEN GLOW POWDER	Green glow powder	1
16	GLOW POWDER AQUA	Glow powder Aqua	1
17	MDF CIRCLE	White MDF circle of size 90mm diameter	1
18	GLOW STICKS	200 mm length glow sticks	3
19	BEAKER	50ml beaker plastic	1
20	DROPPER	Plastic Dropper of 3 ml	1
21	CONTAINER	circular plastic container of 120mm*17mm with tap	1
22	FLUORESCENT DYE	Fluorescent Dye liquid	1
23	CELL	3volt lithium cell	2
24	FOAM CUTOUTS	Foam cutouts of thickness 7mm	1
25	LED	5mm LED of 4 different colors LED each	4
26	T CONNECTOR	15mm x 10mm T connector compatible with the provided shafts such that the vertical part of the T- shape has a plus shape hole and the horizontal part of the T-shape has a round shape hole. The hole diameter should be of 8mm. The connector should be made of high-quality ABS material.	20

27	1 X 3 (2 WAY FREE CONNECTOR)	20mm x 0.8mm Brick connector such that after connecting the brick/connector should move freely. The connector should be made of high-quality ABS material.	4
28	3X1 PLUS CONNECTOR	30mm x 10mm x 10mm Connector. Should have a Plus shape in centre and should be compatible with the plus shape shafts. The connector should be made of high-quality ABS material.	1
29	5 X 1 BRICK – A	50mm x 10mm x 10mm brick with 5 holes. The holes dimensions should be of 8mm each. The brick should be made of ABS material.	10
30	5 X 1 BRICK – B	50mm x 10mm x 10mm brick. Should have a spiral slot at the center to insert the Screw shaft. The holes dimensions should be of 8mm each. The connector should be made of high-quality ABS material.	1
31	7 X 1 BRICK	70mm x 10mm x 10mm brick. The holes dimensions should be of 8mm each. The connector should be made of high-quality ABS material.	6
32	WHEEL WITH RUBBER GRIP	Plastic wheel of 44mm diameter and 24mm thickness compatible with provided shaft, Rubber grip for the provided wheel	4
33	SHAFT – B	Minimum length 100mm. The Shaft should be made of ABS material.	2
34	DISSEMBLING TOOL	90 x 15 x 15 mm dissembling tool. Compatible for 2-piece connector and T connectors. The tool should be made of ABS material.	1
35	11 X 7 BRICK BOARD	111mm x 70mm x 10mm Multipurpose base brick for connectors having 77 holes compatible with provided bricks and other provided connectors. It should be made of ABS material.	2
36	JOINER (PLANE)	20mm x 10mm x 10mm Joiner/Connector having two plus shape protrusion for joining which are compatible with provided bricks. It should be made of ABS material.	3
37	RIGHT ANGLE CONNECTOR	30mm x10mm x 10mm connector having two holes and 1 mid plus shape for joining which are compatible with provided bricks. It should be made of ABS material.	4
38	AR NCERT MANUAL	The manual should contain 150 different pages from the NCERT textbooks, designed to be compatible with the AR application. These pages are organized by grade level for convenient use.	1
39	AR INTERACTIVE CHARTS APP	With an AR Interactive Charts mobile application, users should be able to scan the interactive charts to access engaging animated 3D models that blend seamlessly with their surroundings. The information will be available in both Hindi/Bengali and English, with the ability to switch languages instantly. Users can interact with the 3D models, allowing them to translate, rotate, and scale the objects,	1

		which can be utilized as actual components for performing practical exercises in AR mode.	
40	PHYSICS INTERACTIVE CHARTS	The chart should to be compatible with interactive chart applications. Users should be able to perform interactive experiments like Ohm's Law and the laws of motion, and see these concepts illustrated through impressive 3D models, with 10 different charts and activities available.	1
41	CHEMISTRY INTERACTIVE CHARTS	The chart should be compatible with interactive chart applications. Users should be able to observe chemical reactions as they happen in real-time, from the periodic table to chemical bonding, using interactive 3D models. 10 different charts should be provided with the activities, enabling users to explore atomic structures and molecular behavior.	1
42	BIOLOGY INTERACTIVE CHARTS	The chart should be compatible with interactive chart applications. Users should also be able to explore complex biological systems, such as the respiratory, circulatory, and nervous systems, through detailed 3D models that vividly illustrate anatomy. 10 different charts should be provided with the activities, allowing users to investigate organ function and physiology, complete with interactive elements and comprehensive information.	1
43	EASY CIRCUIT LEARNING KIT	MDF material electronics learning kits to build multiple DIY electronics projects, Kit 27.5cm X 26cm X should have on board 2-AA Battery Holder, , Red Led -1, Yellow Led-1, RGB Led-1, 3V Motor -1, Plastic small fan-1, 5v small buzzer-1, 2pin On Off Switch-1, 2 pin push button- 1, Reed Switch -1, Touch switch-1, NPN Transistor -1, PNP Transistor -1, 100Ω Resistor-1, 1K Ω Resistor-1, 10K Ω Resistor -1, 10K Potentiometer with cap – 1, LDR Sensor -1, 470µF Capacitor -1, 10 µF Capacitor -1, Tapered Spring – 40+, IN4007 Diode-1 10 Single stand Connecting Wires (length 12 inch), Magnet-1 The Kit should consists of a Manual with minimum 50 projects explaining the concept of electronics and use of the components	1
44	DOUBLE CONCAVE LENS	Glass, Focal length 20 cm and dia. 50 mm.	2
45	DOUBLE CONVEX LENS	Glass, Focal length 20 cm and dia. 50 mm.	2

TLM Park (Secondary) and PM Shri			
S. N.	**NAME**	**DESCRIPTION**	**QTY**
1	PYTHAGORAS THEOREM 2	Dimensions: 15.74" * 15.74" 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.	1

2	MAGNET SET	An educational magnet set measuring 18.5cm x 6cm x12.5cm, 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.	1
3	MAGNETIC MOTION	This kit, measuring 13.5 x 8 x 11.5 centimeters, features a 5"x3" plastic platform with multiple use holes, a 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.	1
4	GRAVITY CAR	A kit Compact at 12cm*6cm*20cm, it includes 2.5mm 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.	1
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 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	1
6	BAKING SODA	Baking Soda	1
7	GREEN GLOW POWDER	Green glow powder	1
8	GLYCERINE FLAKES	Glycerin flakes	1
9	BRIGHTENER	Brightener	1
10	GLOW POWDER AQUA	Glow powder Aqua	1
11	PAPER CLIP	Standard size Paper clip	2
12	PLASTIC BUTTONS	Plastic buttons of size 15*15*15 mm.	2
13	PLASTIC PIPE	150 mm *6 mm transparent	1
14	MDF CIRCLE	White MDF circle of size 90mm diameter	1
15	PLASTIC SPOON	1mg of plastic spoon	1
16	GLOW STICKS	200 mm length glow sticks	3
17	BEAKER	50ml beaker plastic	1
18	WOODEN STICK	153 mm * 5mm wooden stick	1
19	DROPPER	Plastic Dropper of 3 ml	1
20	CONTAINER	Circular plastic container of 120mm*17mm with a tap	1
21	FLUORESCENT DYE	Fluorescent Dye liquid	1
22	VINEGAR	Vinegar Liquid	1
23	CELL	3volt lithium cell	2

24	FOAM CUTOUTS	Foam cutouts of thickness 7mm	1
25	LED	5mm LED of 4 different colors LED each	4
26	CHEMISTRY WORK STATION	A kit contains 25 Number of Puzzle Pieces to learn basic concepts of chemistry. Ideal for science fair model, science activity, chemistry learning.	1
27	ELECTROPLATING KIT	A kit Compact at 18.5cm*6cm*12.5cm, including Copper 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.	1
28	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
29	TANGRAM PUZZLES	Dimensions: 4.72" * 4.72" Tangrams Puzzles consist of seven distinct shapes in 4 Colors, 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.	1
30	2 PIECE CONNECTOR	2-piece multipurpose connector of size 15mm x 0.8mm compatible with brick board. The connector should be made of high-quality ABS material.	28
31	3 PIECE CONNECTOR	3-piece multipurpose connector of size 21mm x 0.8mm compatible with brick board. The connector should be made of high-quality ABS material.	15
32	HOLLOW SPACER	10mm diameter and 1mm thickness plastic hollow spacer. The connector should be made of high-quality ABS material.	18
33	SPUR GEAR 1	20mm diameter and 10mm thickness plastic spur gear compatible with provided shaft. It should be made of ABS material.	4
34	SPUR GEAR 2	60mm diameter and 10mm thickness Plastic spur gear compatible with provided motor shaft. It should be made of ABS material.	4
35	7 X 5 X 7 U SHAPE BRICK	76mm x 50mm x 10mm Multipurpose bricks having 7 holes, 5 holes and 7 holes in U shape and having a connecting protrusion on two ends of the U shape and two corresponding holes on the opposite end from the protrusion. It should be made of ABS material.	4
36	13 X 5 X 13 U SHAPE BRICK	140mm x 50mm x 10mm Multipurpose bricks having 13 holes, 5 holes and 13 holes in U shape and having a connecting protrusion on two ends of the U shape and two corresponding holes on the opposite end from the protrusion. It should be made of ABS material.	2

37	GEAR BOX WITH MOTOR WITH BATTERY HOLDER – A	80.5mm x 28.75mm x 48.5mm 1A) Plastic Gear casing for toy motor, such that casing has provision for a side shaft 1B) Gear mechanism, such that students should be able to see the inner gear mechanism 1C) Standard 3V DC toy motor All of the above should be provided in assembled form Should have a 2 AA battery closed holder and a slide switch to control the direction.	1
38	SHAFT – C	Minimum length 170mm. It should be made of ABS material.	3
39	SCREW SHAFT	120mm x 8mm spiral screw shaft compatible with 5 x 1 brick – B.. It should be made of ABS material.	1
40	ZIG ZAG CONNECTOR	50mm x 10mm x 10mm Zig zag connector. It should be made of ABS material.	3
41	PULLEY	25mm diameter x 11mm pulley block. It should be made of ABS material.	1
42	IDLER GEAR	20mm diameter and 10mm thickness plastic spur gear. It should be made of ABS material.	2
43	SOLAR AFFILIATED LED LIGHT	A solar-powered LED matrix set. The body should be made of high-quality plastic material. The solar panel should be of 2.5W 5v enclosed in a plastic frame. There should be a charging module to convert solar energy into electrical energy. It should charge a battery. The charged battery should be able to control the LED matrix in 2 modes.	1
44	NCERT AR APPLICATION	A mobile application that leverages Augmented Reality (AR) to enhance learning. This app should recognize images from grade-specific manuals and then play corresponding 3D educational videos. The videos should demonstrate real-life applications of the concepts being taught. The app should include content for students from 5th to 10th grade, following the NCERT curriculum, and should cover over 150 topics across Science, Physics, Chemistry, and Biology. Each video should be available in both Hindi/Bengali and English, ensuring that every video is provided in both languages. Additionally, manuals for all 150+ topics should be supplied.	1

Solution 5: Child-Friendly Furniture and Out Door Play Materials

Child-Friendly Furniture

This solution ensures the supply and installation of child-friendly, ergonomic furniture to create safe, interactive, and developmentally appropriate learning spaces. The bidder shall equip classrooms in 225 units under Samagra Shiksha and 47 units under PM SHRI with low-height tables, chairs, soft seating, and storage units aligned with NCERT's ECCE framework. The initiative aims to promote active participation, collaborative learning, and holistic development by ensuring comfortable, accessible, and child-safe classroom environments.

The major components factored for the solution are listed below:

i. Supply and installation of child-friendly furniture including low-height desks, chairs, soft seating, and storage units.
ii. All materials must be non-toxic, durable, ergonomic, and compliant with safety standards for early learners.
iii. School-level installation with submission of delivery and completion certificates as documentary evidence.

Child Friendly Furniture (Samagra 225 & PM Shri 47 Units)			
S. No.	**Item Name**	**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

Out Door Play Materials

This solution ensures the supply and installation of child-safe, durable Outdoor Play Materials to create engaging and developmentally appropriate play spaces in schools. The bidder must implement this component in 225 schools under Samagra Shiksha and 47 PM SHRI schools, with the objective of promoting physical activity, motor skills, and social interaction through structured outdoor play environments.

The major components factored for the solution are listed below:
i. Procurement and installation of age-appropriate outdoor play structures such as swings, slides, climbers, balancing beams, and open play units.
ii. Materials must be child-safe, weather-resistant, durable, and compliant with safety and quality standards suitable for school environments.
iii. Delivery and installation at designated school premises, with submission of installation commissioning reports as documentary evidence.

Outdoor Play Materials (Samagra 225 & Pm Shri 47 Units)			
S. No.	**Item Name**	**Specification**	**Qty**
1	Rainbow tunnel and ball pool and tent house	10by4 size come with 20 balls 1 ball pool 1 tunnel 1 tent house Can be used individually or together Easily foldable and carry	2
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 6: BALA Features

This solution ensures the implementation of BALA features to transform school spaces into interactive learning environments through educational wall and surface paintings. The bidder must implement BALA in 225 schools under Samagra Shiksha and 125 PM SHRI schools, enabling visual, immersive, and activity-based learning across school premises.

The major components factored for the solution are listed below:

i. Design and painting of walls, floors, staircases, and open areas with educational themes such as alphabets, numbers, shapes, local context visuals, and subject-specific concepts.
ii. Use of child-safe, long-lasting, weather-resistant paints ensuring durability and suitability for high-usage school environments.
iii. Execution at the school level, with documentation of completed BALA features through ICR.

BALA (Pre-Primary to Elementary) (Samagra 225 & 125 PM Shri Units)		
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 7: Sanitary Pad

This solution ensures the supply of a packet of 30 sanitary pads per girl to promote menstrual hygiene, health, and dignity among female students in schools. The bidder must implement the distribution in 84 schools under Samagra Shiksha and PM SHRI, benefiting 1,33,842 female students through the provision of individual sanitary pad sets to support safe and hygienic menstrual practices.

The major components factored for the solution are listed below:

i. Procurement and supply of hygienic, high-absorbency sanitary pads, individually packed and safe for school use.
ii. Products must be skin-friendly, non-toxic, and compliant with quality and safety standards, ensuring comfort and reliability for adolescent girls.
iii. Delivery to designated inspectorate-level locations, with submission of delivery certificates.

Sanitary Pad - Samagra Shiksha and PM SHRI (1,33,842 packets)		
S. No.	**Item**	**Qty**
1	Sanitary Pad	133842

Solution 8 - Sanitary Pad Incinerator

This solution ensures the supply and installation of sanitary pad incinerators to strengthen menstrual hygiene management and provide safe disposal systems for girl students. The bidder must implement this component in 320 schools (159 in Elementary & 161 in Secondary schools), promoting health, dignity, and a supportive environment for adolescent girls.

The major components factored for the solution are listed below:

i. Procurement and installation of sanitary pad incinerators designed for safe, eco-friendly, and efficient disposal of sanitary waste within school premises.

ii. Equipment must be child-safe, hygienic, odor-free, and compliant with environmental and safety standards, ensuring reliable operation for daily use.

iii. Installation at the school level, accompanied by ICR and verification certificates as documentary evidence.

Sanitary Pad Incinerator (Samagra 320 units)		
S. No.	**Item**	**Qty**
1	Sanitary Pad Incinerator Machine	320

Solution 9: Sports equipment

This solution ensures the supply of comprehensive sports equipment to promote physical fitness, teamwork, and active participation among students. The bidder must implement this component in 84 PM SHRI schools, strengthening sports engagement and holistic development through a variety of age-appropriate games and physical activities.

The major components factored for the solution are listed below:

i. Procurement and supply of sports kits including balls, rackets, nets, mats, athletics gear, and other age-appropriate sports materials supporting diverse physical activities.
ii. Equipment must be safe, durable, student-friendly, and aligned with school sports requirements, including local games where relevant.
iii. Delivery to designated inspectorate-level locations, along with delivery certificates.

Sports Equipment (PM Shri 84 Units)				
SPORTS EQUIPMENTS FOR PRIMARY (Samagra 2083)				
S.no	**Product**	**Product Description**	**Unit**	**Qty**
1	Cricket Bat	Plastic bats are more durable for children. The bat must be suitable for rough handling, especially by beginners. Bat shall be made up of superior quality. The weight of the bat must not be less than nine ounces. The length and breadth of the bat must be not less than 650 x 90 (in mm)..Plastic Bats are used in schools for introducing young learners to the basics of bat-and-ball sports.	PCS	2
2	Cricket stumps	Stumps are iconic symbols of cricket and are an integral part of the game's equipment and traditions. The Complete set consists of plastic three Wicket with length not less than 525 mm and width not less than 32mm and weight not less than 2.30 ounce and with two Bails with	SETS	2

		length more than 140mm and weight not less than 0.55 ounce and with one Base Stand with length not less than 235mm and breadth not less than 100mm and base stand weight not less than 3.50ounce.Stumps are placed at each end of the pitch, and they serve as the targets for the bowlers and as a reference point for fielders and umpires		
3	Soft ball	Soft balls are used in physical therapy to improve dexterity and hand coordination, especially for patients recovering from hand injuries or surgeries. Colored Light Weight Ball with dia of ball not less than 65mm.The repetitive squeezing motion can promote relaxation and mindfulness, making them useful in mindfulness exercises and meditation practices. Soft balls are typically made from soft materials like foam , making them safe for children to use without the risk of injury or damage to property.	PCS	2
4	Plastic Ball	Plastic balls are durable and resistant to wear and tear. They can withstand rough handling and environmental conditions better than many other materials made up of virgin plastic durable & rigid The dia of ball must not be less 60mm.The wight of ball must not be less than 0.50 ounce. Plastic balls are generally lightweight, which can be advantageous for sports where fast movement and agility are required.	Pec	10
5	Foot ball	Football is a team sport that requires players to communicate effectively, collaborate, and strategize together to achieve common goals. It teaches individuals how to work as part of a team and builds camaraderie. The color of football must be Multicolor. The Ball must be made leather (PU leather, Synthetic Glossy rubber/ Matt Finished rubber). The ball should not gain weight and size in any circumference. It should be round in shape and waterproof. It should be stitched with nylon/Polyester thread or should be moulded. The weight of ball must not be less than 9 ounces. The circumference must be between 580mm to 600 mm.	Pec	2
6	Batton	Passing the relay baton smoothly and efficiently requires synchronized teamwork and coordination among relay team members. This enhances communication skills and fosters a sense of unity and trust within the team. Speed and Efficiency: Relay baton exchanges emphasize speed and efficiency. Practicing baton handoffs helps athletes refine their timing, speed up transitions, and improve overall race performance. The baton must be made of Plastic. The length of each baton must not be less than 280 mm. The dia of each baton must not be less than 38 mm. The baton must be pack of 6 pieces.	Pack	2
7	Bean Bag	Made of polyester cloth with filling, used for catching practice, Pack of 4 pcs	Pack	2
8	Saucer Cone	Saucer cone made up of Superior quality plastic	Pack	1

		Color- Bright color like Red, Yellow, Orange, Blue Base- Round base for stability. Must be set of 10 Cones		
9	Basketball	Basketball is a highly sport that involves running, jumping, dribbling, and shooting, which helps improve cardiovascular health, endurance, agility, and overall physical fitness. The circumference of ball must not be less than 530 mm. Playing basketball requires using both upper and lower body muscles for shooting, passing, rebounding, and defending. It helps develop strength, coordination, and balance. The weight of Basketball not less than 9 ounces. This basketball is made from the natural rubber that feels soft and gives you a great dribble.	Each	2
10	Frisbee	Playing frisbee involves running, jumping, and often diving or stretching to catch or throw the disc. This helps improve cardiovascular fitness, agility, and overall stamina. The frisbee must be made of Plastic. The weight of Frisbee must not be less than four ounces. The Dia of frisbee must not be less than 250mm.Frisbee players often develop strength in their legs, core, and upper body from the movements involved in throwing, catching, and maneuvering to defend or intercept passes. Frisbee is typically played in teams or groups, promoting social interaction, communication, and camaraderie among players. It's a great way to make new friends and strengthen existing relationships.	Pec	2
11	Learn to be Stable	Balance games offer several benefits, both physical and mental, making them valuable additions to fitness routines or therapeutic practices. Engaging in balance games helps improve proprioception (awareness of body position) and coordination, which are crucial for stability and movement control. This stable Board is fun, challenging and interesting game for children. This board has a small and guide impressions as centre for stable. The length and breadth of game must not be less than 480 x 380(in mm). The board must have round marbles, and fewer rings, allowing children from three to five to more easily maneuver the marbles through the levels. The thickness must not be less than 18 mm. The dia. of each marble must not be less than 22mm. At the same time they are developing balance, strength, focus, and coordination. At the easiest level, start with one wooden marble and try to move it from the center to the outer ring. Next, try using two balls; and then all three. For a greater challenge, try moving the marbles from the outer ring to the center.	Each	1
12	Indoor cardboard Games	Indoor Cardboard games are a fantastic way to bring people together for fun and strategic play! They come in various styles and genres, catering to different interests and group sizes. The size of the cardboard games must	Set	1

		not be less than 245 x 245 mm .The game must be on 350 gsm multi colour printed and with game manual printed in English and local language. The game must be laminated. The set of game must have minimum eighty-five different brainstorming games. The cardboard games must be properly packed in box multicolor printed in English and local language.		
13	First Aid Kit	Mouth to Mouth Resuscitator-2 Pec, Cotton-100gm (Sterilized)-2Pc, Glass Thermometer-1 (ISI Marked-IS 3055:2004 Part 2, Band aid-50pc, Roller bandage(5cm*5mtrs)-5pc, Scissors-1pc, Crepe bandage-2pc, T-Bandage-2pec, Antiseptic Wipes-5Pec, Antiseptic solution/liquid, Surgical Tape, Sanitizer. All items must be packed in Box/Kit.	Kit	1
14	Wooden Cricket Bat	The Bat must help's in achieving faster bat swings and reducing fatigue during prolonged use. This bat must be suitable for various levels of cricket play, from recreational to junior cricket, providing a versatile option that combines durability with improved performance. The bat must be made of Superior wood (Popular willow or Himachal willow) handle should be made of local wood having flexibility .The length and width of the complete bat must not be less than 700 x 86(in mm) and handle length should be 250 mm. The weight of complete bat must not be less than 23-ounce wooden bats are used in schools and clubs for introducing young learners to the basics of bat-and-ball sports.	Each	1
14	Skipping Rope	Skipping rope is an excellent aerobic exercise that gets your heart rate up, improving cardiovascular health and endurance over time. Skipping rope should be of good quality anti-slip foam handles with 7ft. long approx. 5 mm PVC coated rope with wooden handle provided with high quality. Material- Polyvinyl chloride Color-Multicolor. Jumping rope requires coordination between your hands and feet, helping to improve overall balance and motor skills.	Each	2
16	Multi Colored Hula Hoops	Hula hooping is a fun and energetic activity that involves spinning a large ring around the waist, limbs, or even the neck. It can be done as a casual pastime, a form of exercise, or as part of a performance or dance routine. Feature: massage Weighted Sports Hoop extra-large hula hoop for workout exercise teenagers and adults. Great way to have fun and adopt a healthy lifestyle. Hula Hoop must be made of Multicolor Plastic with diameter of 600mm.Hula hoop games and activities for kids are super motivating and fun ways to promote gross motor skills like coordination, endurance, balance, a physical, cardiovascular and trimming workout. Easy to use, great for beginners.	Each	2

17	Stature Scale	Stature scale provides precise and reliable measurements of an individual's height, which is essential for medical assessments, growth tracking, and accurate documentation. The measuring Bar must be vertical. The blade width must not be less than 10mm.The material of scale of Plastic	Each	1
18	Weighing Machine	Digital weighing machine is designed with Step ON technology that automatically calibrates and provides precise measurements as soon as you step on it. valid License from weights and measurement department -yes. ISO certificate: -Yes, the electronic weight scale for human body operates on batteries. The backlit LCD panel showcases prominent readings with low battery and overload indicators. Apart from that, the digital weight scale also displays room temperature.	Each	1
SPORTS EQUIPMENTS FOR UPPER PRIMARY (Samagra 1102 Units)				
S.no	**Product**	**Product Description**	**Unit**	**Qty**
1	Tennis ball	Tennis balls are essential for playing tennis, a sport that provides excellent cardiovascular exercise, improves coordination, and enhances agility and flexibility. The ball must be made of rubber covered with felt. The ball must be durable with Hi Bounce. The weight of ball must not be less than 70gm. They are used in educational settings for learning coordination and in recreational games such as bounce games and hand-eye coordination challenges. Rubber Ball covered with felt. The Dia of ball must not be less than 65 mm	Pec	10
2	Foot ball	Football is a team sport that requires players to communicate effectively, collaborate, and strategize together to achieve common goals. It teaches individuals how to work as part of a team and builds camaraderie. The color of football must be Multicolor. The Ball must be made leather (PU leather, Synthetic Glossy rubber). The ball should not gain weight and size in any circumference. It should be round in shape and waterproof. It should be stitched with nylon/Polyester thread. The weight of ball must not be less than 9 ounces. The circumference must be between 580mm to 650 mm.	Pec	2
3	Frisbee	Playing frisbee involves running, jumping, and often diving or stretching to catch or throw the disc. This helps improve cardiovascular fitness, agility, and overall stamina. The frisbee must be made of Plastic. The weight of Frisbee must not be less than four ounces. The Dia of frisbee must not be less than 250mm.Frisbee players often develop strength in their legs, core, and upper body from the movements involved in throwing, catching, and maneuvering to defend or intercept passes. Frisbee is typically played in teams or groups, promoting social interaction, communication, and camaraderie among players. It's a great way to make new friends and	Pec	2

		strengthen existing relationships.		
4	Batton	Passing the relay baton smoothly and efficiently requires synchronized teamwork and coordination among relay team members. This enhances communication skills and fosters a sense of unity and trust within the team. Speed and Efficiency: Relay baton exchanges emphasize speed and efficiency. Practicing baton handoffs helps athletes refine their timing, speed up transitions, and improve overall race performance. The baton must be made of Plastic. The length of each baton must not be less than 280 mm. The dia of each baton must not be less than 38 mm. The baton must be pack of 6 pieces.	Pack	2
5	Bean Bag	Made of polyester cloth with filling, used for catching practice, Pack of 4 pcs	Pack	2
6	Skipping Rope	Skipping rope is an excellent aerobic exercise that gets your heart rate up, improving cardiovascular health and endurance over time. Skipping rope should be of good quality anti-slip foam handles with 7ft. long approx. 5 mm PVC coated rope with wooden handle provided with high quality. Material- Polyvinyl chloride Color- Multicolor. Jumping rope requires coordination between your hands and feet, helping to improve overall balance and motor skills.	Each	2
7	Badminton Racket with Shuttle	The main purpose of the badminton racket is to hit over the net and into the opponent's court during gameplay. The frame of the racket (from the top of the stringed area to the bottom of the handle) shall not exceed 680mm in overall length and 230mm in overall width, it shall be light weight head material normal body, shaft material steel Approx. The stringed area of the racket shall not exceed 280 mm in overall length and 220 mm in overall width. The string area shall be flat and consist of a pattern of crossed strings either alternately interlaced or bounded where they cross. The string thread should be of good quality. The stringing pattern shall be generally uniform and, in particulars, not less dense in the center than in any other area. The individual racket shall be packed. Badminton rackets are designed to generate power and control when hitting the shuttlecock. Each ratchet with three pieces of Shuttlecock. The materials used in the frame and strings, along with the racket's weight and balance, influence how efficiently players can deliver shots.	Pack	2
8	Step Hurdle	A step hurdle, also known as a training hurdle or mini hurdle, is a versatile piece of equipment used in various sports and fitness activities. The Step Hurdle must be of Polyvinyl Chloride. The Complete set must be of minimum three different sizes and colors. Athletes use step hurdles during warm-up routines to activate muscles, increase heart rate, and prepare the body for	Pack	1

		more intense physical activity. They can also be used during cool-down sessions to promote flexibility and reduce muscle soreness.		
9	Volley ball	Volleyball is a highly aerobic sport that involves continuous movement, jumping, and quick changes in direction. Playing volleyball regularly improves cardiovascular health, endurance, strength, and overall physical fitness. The ball must be of superior rubber, waterproof with butyl bladder, molded The dia of ball must not be less than 650mm and weight of ball must not be less than 8 ounces successfully passing, setting, and hitting the ball in volleyball requires precise hand-eye coordination and timing. Regular play can improve these skills significantly.	Each	2
10	Basketball	Basketball is a highly sport that involves running, jumping, dribbling, and shooting, which helps improve cardiovascular health, endurance, agility, and overall physical fitness. The dia. of ball must not be less than 580 mm. Playing basketball requires using both upper and lower body muscles for shooting, passing, rebounding, and defending. It helps develop strength, coordination, and balance. The weight of Basketball not less than 11 ounces. This basketball is made from the natural rubber that feels soft and gives you a great dribble.	Each	2
11	Marking cone with nos	Marking cones, also known as agility cones or training cones, are versatile and widely used in various settings for a range of purposes. In fitness classes and personal training sessions, marking cones are used for circuit training, interval workouts, and agility drills. The numbers must be in English and local language. They provide visual markers for exercises like shuttle runs, cone drills, and plyometric jumps. Bright colors and design for easy visibility, The Cones must be of of Polyethylene Tapered Design for easy stacking and storage The width and height of each cone must not be less than 110mm x 140mm the set of cones must be multicolored Multicolor. The complete set should be from number one to ten.	Pack	1
12	Saucer Cone	Saucer cone made up of Superior quality plastic Color- Bright color like Red, Yellow, Orange, Blue Base- Round base for stability Shape- Dome shape. Must be set of 10 Cones	Pack	1
13	Learn to be Stable	Balance games offer several benefits, both physical and mental, making them valuable additions to fitness routines or therapeutic practices. Engaging in balance games helps improve proprioception (awareness of body position) and coordination, which are crucial for stability and movement control. This stable Board is fun, challenging and interesting game for children. This board	Each	1

		has a small and guide impressions as centre for stable. The length and breadth of game must not be less than 480 x 380(in mm). The board must have round marbles, and fewer rings, allowing children from three to five to more easily maneuver the marbles through the levels. The thickness must not be less than 18 mm. The dia of each marble must not be less than 22mm. At the same time they are developing balance, strength, focus, and coordination. At the easiest level, start with one wooden marble and try to move it from the center to the outer ring. Next, try using two balls; and then all three. For a greater challenge, try moving the marbles from the outer ring to the center.		
14	Indoor cardboard Games	Indoor Cardboard games are a fantastic way to bring people together for fun and strategic play! They come in various styles and genres, catering to different interests and group sizes. The size of the cardboard games must not be less than 245 x 245 mm. The game must be on 350 gsm multi-colour printed and with game manual printed in English and local language. The game must be laminated. The set of game must have minimum eighty-five different brainstorming games. The cardboard games must be properly packed in box multicolor printed in English and local language.	Set	1
15	Hula Hoops	Hula hooping is a fun and energetic activity that involves spinning a large ring around the waist, limbs, or even the neck. It can be done as a casual pastime, a form of exercise, or as part of a performance or dance routine. Feature: massage Weighted Sports Hoop extra-large hula hoop for workout exercise teenagers and adults. Great way to have fun and adopt a healthy lifestyle. Hula Hoop must be made of Multicolor Plastic with diameter of 600mm.Hula hoop games and activities for kids are super motivating and fun ways to promote gross motor skills like coordination, endurance, balance, a physical, cardiovascular and trimming workout. Easy to use, great for beginners	Each	2
16	Stop Watch	The stopwatch is a portable timekeeping device used to measure the amount of time elapsed from a specific point, typically used in sports, experiments, or any activity where precise timing is essential. A perfect watch to have while doing any activity from day to say life to professional events. Has a thread to hang it around the neck making it easier to carry while doing any activity. The material must be plastic.	Each	1
17	Volleyball Net	A volleyball net is a crucial piece of equipment in both indoor and beach volleyball, dividing the court and providing a challenge for players to hit the ball over. The length of net must be 10.50 to 11 meter and 1meter wide at its top a horizontal band ,7cm wide on top and bottom	Each	1

18	Cricket stumps	Stumps are iconic symbols of cricket and are an integral part of the game's equipment and traditions. The Complete set consists of plastic three Wicket with length not less than 700 mm and width not less than 32mm and weight not less than 4.80 ounce and with two Bails with length more than 140mm and weight not less than 0.55 ounce and with one Base Stand with length not less than 700mm and breadth not less than 150mm and base stand weight not less than 25 counterstamps are placed at each end of the pitch, and they serve as the targets for the bowlers and as a reference point for fielders and umpires	SETS	1
19	First Aid Kit	Mouth to Mouth Resuscitator-2 Pec, Cotton-100gm (Sterilized)-2Pec, Glass Thermometer-1 (ISI Marked-IS 3055:2004 Part 2, Band aid-50pc, Roller bandage(5cm*5mtrs)-5pc, Scissors-1pc, Crepe bandage-2pc, T-Bandage-2pec, Antiseptic Wipes-5Pec, Antiseptic solution/liquid, Surgical Tape, Sanitizer. All items must be packed in Box/Kit.	Kit	1
20	Wooden Cricket Bat	The Bat must help's in achieving faster bat swings and reducing fatigue during prolonged use. This bat must be suitable for various levels of cricket play, from recreational to junior cricket, providing a versatile option that combines durability with improved performance .The bat must be made of Superior wood (popular willow or Himachal willow) with flexible handle , with rubber grip for better grip .The length and width of the complete bat must not be less than 800 x 100(in mm) and handle length should be 265 mm. The weight of complete bat must not be less than 38-ounce wooden bats are used in schools and clubs for introducing young learners to the basics of bat-and-ball sports	Each	1
21	Stature Scale	Stature scale provides precise and reliable measurements of an individual's height, which is essential for medical assessments, growth tracking, and accurate documentation. The measuring Bar must be vertical. The blade width must not be less than 10mm.The material of scale of Plastic	Each	1
22	Weighing Machine	Digital weighing machine is designed with Step ON technology that automatically calibrates and provides precise measurements as soon as you step on it. valid License from weights and measurement department -yes. ISO certificate: - Yes The electronic weight scale for human body operates on batteries. The backlit LCD panel showcases prominent readings with low battery and overload indicators. Apart from that, the digital weight scale also displays room temperature.	Each	1

SPORTS EQUIPMENTS FOR SECONDARY (Samagra 559 Units)

S.no	Product	Product Description	Unit	Qty
1	Tennis ball	Tennis balls are essential for playing tennis, a sport that	Pec	10

		provides excellent cardiovascular exercise, improves coordination, and enhances agility and flexibility. The ball must be made of rubber covered with felt. The ball must be durable with Hi Bounce. The weight of ball must not be less than 70gm. They are used in educational settings for learning coordination and in recreational games such as bounce games and hand-eye coordination challenges. Rubber Ball covered with felt. The Dia of ball must no be less than 65 mm		
2	Foot ball	Football is a team sport that requires players to communicate effectively, collaborate, and strategize together to achieve common goals. It teaches individuals how to work as part of a team and builds camaraderie. The color of football must be Multicolor. The Ball must be made leather (PU leather, Synthetic Glossy rubber). The ball should not gain weight and size in any circumference. It should be round in shape and waterproof. It should be stitched with nylon/Polyester thread. The weight of ball must not be less than 14 ounces. The circumference must be between 680mm to 725 mm.	Pec	2
3	Frisbee	Playing frisbee involves running, jumping, and often diving or stretching to catch or throw the disc. This helps improve cardiovascular fitness, agility, and overall stamina. The frisbee must be made of Plastic. The weight of Frisbee must not be less than four ounce. The Dia of frisbee must not be less than 250mm.Frisbee players often develop strength in their legs, core, and upper body from the movements involved in throwing, catching, and maneuvering to defend or intercept passes. Frisbee is typically played in teams or groups, promoting social interaction, communication, and camaraderie among players. It's a great way to make new friends and strengthen existing relationships.	Pec	2
4	Batton	Passing the relay baton smoothly and efficiently requires synchronized teamwork and coordination among relay team members. This enhances communication skills and fosters a sense of unity and trust within the team. Speed and Efficiency: Relay baton exchanges emphasize speed and efficiency. Practicing baton handoffs helps athletes refine their timing, speed up transitions, and improve overall race performance. The baton must be made of Plastic. The length of each baton must not be less than 280 mm. The dia of each baton must not be less than 38 mm. The baton must be pack of 6 pieces.	Pack	2
5	Bean Bag	Made of polyester cloth with filling, used for catching practice, Pack of 4 pcs	Pack	2

6	Skipping Rope	Skipping rope is an excellent aerobic exercise that gets your heart rate up, improving cardiovascular health and endurance over time. Skipping rope should be of good quality anti-slip foam handles with 7ft. long approx. 5 mm PVC coated rope with wooden handle provided with high quality. Material- Polyvinyl chloride Color- Multicolor. Jumping rope requires coordination between your hands and feet, helping to improve overall balance and motor skills.	Each	2
7	Badminton Racket with Shuttle	The main purpose of the badminton racket is to hit over the net and into the opponent's court during gameplay. The frame of the racket (from the top of the stringed area to the bottom of the handle) shall not exceed 680mm in overall length and 230mm in overall width, it shall be light weight head material normal body, shaft material steel Approx. The stringed area of the racket shall not exceed 280 mm in overall length and 220 mm in overall width. The string area shall be flat and consist of a pattern of crossed strings either alternately interlaced or bounded where they cross. The string thread should be of good quality. The stringing pattern shall be generally uniform and, in particulars, not less dense in the center than in any other area. The individual racket shall be packed. Badminton rackets are designed to generate power and control when hitting the shuttlecock. Each ratchet with three peice of Shuttlecock. The materials used in the frame and strings, along with the racket's weight and balance, influence how efficiently players can deliver shots.	Pack	2
8	Volley ball	Volleyball is a highly aerobic sport that involves continuous movement, jumping, and quick changes in direction. Playing volleyball regularly improves cardiovascular health, endurance, strength, and overall physical fitness. The ball must be of superior rubber, waterproof with butyl bladder, moulded The dia. of ball must not be less than 650mm and weight of ball must not be less than 8 ounces successfully passing, setting, and hitting the ball in volleyball requires precise hand-eye coordination and timing. Regular play can improve these skills significantly.	Each	2
9	Basketball	Basketball is a highly sport that involves running, jumping, dribbling, and shooting, which helps improve cardiovascular health, endurance, agility, and overall physical fitness. The dia of ball must not be less than 625 mm. Playing basketball requires using both upper and lower body muscles for shooting, passing, rebounding, and defending. It helps develop strength, coordination, and balance. The weight of Basketball not less than 12 ounce. This basketball is made from the natural rubber that feels soft and gives you a great dribble.	Each	2

10	Marking cone with nos	Marking cones, also known as agility cones or training cones, are versatile and widely used in various settings for a range of purposes. In fitness classes and personal training sessions, marking cones are used for circuit training, interval workouts, and agility drills. The numbers must be in English and local language. They provide visual markers for exercises like shuttle runs, cone drills, and plyometric jumps. Bright colors and design for easy visibility, The Cones must be of Polyethylene Tapered Design for easy stacking and storage The width and height of each cone must not be less than 110mm x 140mm the set of cones must be multicolored Multicolor. The complete set should be from number one to ten.	Pack	1
11	Saucer Cone	Saucer cone made up of Superior quality plastic Color- Bright color like Red, Yellow, Orange, Blue Base- Round base for stability Shape- Dome shape. Must be set of 10 Cones	Pack	1
12	Yoga Mat: -	The primary use of a yoga mat is for yoga practice. It provides a cushioned and non-slip surface that enhances comfort and stability during yoga poses (asanas), stretches, and meditation. The mat helps practitioners maintain proper alignment and balance while reducing the risk of slipping or injury on smooth floors. The Size of mat must not be less than 1850(L) x 575(W) in mm. The thickness of mat must not be less than 5.50mm. The mat must be of of Ethylene Vinyl Acetate Foam material anti-skid and non-sticky double-sided texture.	Each	1
13	Learn to be Stable	Balance games offer several benefits, both physical and mental, making them valuable additions to fitness routines or therapeutic practices. Engaging in balance games helps improve proprioception (awareness of body position) and coordination, which are crucial for stability and movement control. This stable Board is fun, challenging and interesting game for children. This board has a small and guide impressions as centre for stable. The length and breadth of game must not be less than 480 x 380(in mm). The board must have round marbles, and fewer rings, allowing children from three to five to more easily maneuver the marbles through the levels. The thickness must not be less than 18 mm. The dia of each marble must not be less than 22mm. At the same time they are developing balance, strength, focus, and coordination. At the easiest level, start with one wooden marble and try to move it from the center to the outer ring. Next, try using two balls; and then all three. For a greater challenge, try moving the marbles from the outer ring to the center.	Each	1
14	Practice Racket with	Material:-Made of mulberry wood with high quality	Set	1

	Ball	adhesive. Style 4 Ply insertion curved with triangle wooden piece in the center. No of Holes -70 holes of 1mm in zig zag direction. Type of String should be 0.95 mm gutted with 4 doubles in centre having tension more than 25lbs.Size of head: -Head size should be 10" * 8" with 15mm thickness, Thickness: - Shaft thickness should not be more than 15mm with oval shape. Handle -Handle should be 6.5 mm long with 22mm thickness in hexagonal shape. Head material: -Shaft and head should be leather. parchment with 1-1.5mm thickness. Feature: -Handle should be covered with special designed leather grip for better grip. Material of Ball:-Wool used in ball should be acrylic imported wool with 8 thread lining. Weight should be approx. 26-27 grams. Size:- Size should not exceed 55mm in circumference. Min.No of Layers Ball should not be made of less than 425mm layers of wool.		
15	Chess Set	The Chess is a classic strategy board game played between two players. It's known for its deep tactical and strategic elements. The Board Size must be 425 mm x 425mm.The thickness of board must be not less than 12mm.The chess board game must be Plastic Solid box square size not less than 25 x 25mm.	Set	1
16	Discuss	Rubber Practice Discus is a hard rubber discus, excellent for training at the junior and senior levels. This rubber discus is perfect for athletes, coaches, and teams seeking a reliable and high-quality training and competition tool. The durable rubber construction ensures a long lifespan, even with frequent use. The Shape of discuss must be disc shaped and weight must not be less than 17 ounce	Each	1
17	First Aid Kit	Mouth to Mouth Resuscitator-2 Pec, Cotton-100gm (Sterilized)-2Pec, Glass Thermometer-1 (ISI Marked-IS 3055:2004 Part 2, Band aid-50pc, Roller bandage(5cm*5mtrs)-5pc, Scissors-1pc, Crepe bandage-2pc, T-Bandage-2pec, Antiseptic Wipes-5Pec, Antiseptic solution/liquid, Surgical Tape, Sanitizer. All items must be packed in Box/Kit.	Kit	1
18	Handball	Handball is a fast-paced team sport played indoors or outdoors, where players pass a ball using their hands with the objective of scoring goals by throwing the ball into the opponent's net. The ball is made of leather or synthetic material. The ball must be approved by federation of handball (India) The ball must be spherical and uniform in color, constructed of solid casing. The surface must not be shinny or slippery. The ball size i.e the circumference and weight must be between 580-600mm and 15-16.50 ounce. The band ball must be of size three.	Each	1
19	Indoor cardboard Games	Indoor Cardboard games are a fantastic way to bring people together for fun and strategic play! They come in	Set	1

		various styles and genres, catering to different interests and group sizes. The size of the cardboard games must not be less than 245 x 245 mm. The game must be on 350 gsm multi color printed and with game manual printed in English and local language. The game must be laminated. The set of game must have minimum eighty -ive different brainstorming games. The cardboard games must be properly packed in box multicolor printed in English and local language.		
20	Hula Hoops	Hula hooping is a fun and energetic activity that involves spinning a large ring around the waist, limbs, or even the neck. It can be done as a casual pastime, a form of exercise, or as part of a performance or dance routine. Feature : massage Weighted Sports Hoop extra-large hula hoop for workout exercise teenagers and adults. Great way to have fun and adopt a healthy lifestyle. Hula Hoop must be made of Multicolor Plastic with diameter of 600mm.Hula hoop games and activities for kids are super motivating and fun ways to promote gross motor skills like coordination, endurance, balance, a physical, cardiovascular and trimming workout. Easy to use, great for beginners	Each	2
21	Stop Watch	The stopwatch is a portable timekeeping device used to measure the amount of time elapsed from a specific point, typically used in sports, experiments, or any activity where precise timing is essential. A perfect watch to have while doing any activity from day to say life to professional events. Has a thread to hang it around the neck making it easier to carry while doing any activity. The material must be plastic.	Each	2
22	Throwball	Throwball is a popular team sport that combines elements of volleyball and handball. It's played primarily in schools and recreational settings and is known for its fast-paced action. The ball is made of rubber material. The ball must be approved by International throwball Federation. The ball must be spherical and uniform in colour, constructed of solid casing. The surface must not be shinny or slippery. The ball size i.e the circumference and weight must be between 580- 600mm and 15-16 ounce.	Each	2
23	Volleyball Net	A volleyball net is a crucial piece of equipment in both indoor and beach volleyball, dividing the court and providing a challenge for players to hit the ball over. The length of net must be 10.50 to 11 meter and 1meter wide at its top a horizontal band ,7cm wide on top and bottom	Each	1
24	Shotput	Rubber Shotput is a hard rubber Shotput excellent for training at the junior and senior levels. This rubber discus is perfect for athletes, coaches, and teams seeking a reliable and high-quality training and competition tool. The durable rubber construction ensures a long lifespan,	Each	1

		even with frequent use.The Shape of discuss must be round and weight must not be less than 17 ounce		
25	Wooden Cricket Bat	The Bat must help in achieving faster bat swings and reducing fatigue during prolonged use. This bat must be suitable for various levels of cricket play, from recreational to junior cricket, providing a versatile option that combines durability with improved performance .The bat must be made of Superior wood (popular willow or Kashmir willow) with flexible handle , with rubber grip for better grip .The length and width of the complete bat must not be less than 850 x 110(in mm) and handle length should be 280 mm. The weight of complete bat must not be less than 40-ounce wooden bats are used in schools and clubs for introducing young learners to the basics of bat-and-ball sports	Each	1
26	Cricket stumps	Stumps are iconic symbols of cricket and are an integral part of the game's equipment and traditions. The Complete set consists of plastic three Wicket with length not less than 700 mm and width not less than 32mm and weight not less than 4.80 ounce and with two Bails with length more than 140mm and weight not less than 0.55 ounce and with one Base Stand with length not less than 700mm and breadth not less than 150mm and base stand weight not less than 25 ounces. Stumps are placed at each end of the pitch, and they serve as the targets for the bowlers and as a reference point for fielders and umpires	SETS	1
27	Step Hurdle	A step hurdle, also known as a training hurdle or mini hurdle, is a versatile piece of equipment used in various sports and fitness activities. The Step Hurdle must be of Polyvinyl Chloride. The Complete set must be of minimum three different sizes and colors. Athletes use step hurdles during warm-up routines to activate muscles, increase heart rate, and prepare the body for more intense physical activity. They can also be used during cool-down sessions to promote flexibility and reduce muscle soreness.	Pack	1
28	Stature Scale	Stature scale provides precise and reliable measurements of an individual's height, which is essential for medical assessments, growth tracking, and accurate documentation. The measuring Bar must be vertical. The blade width must not be less than 10mm.The material of scale of Plastic	Each	1
29	Weighing Machine	Digital weighing machine is designed with Step ON technology that automatically calibrates and provides precise measurements as soon as you step on it. valid License from weights and measurement department -yes. ISO certificate:- Yes The electronic weight scale for human body operates on batteries. The backlit LCD panel showcases prominent readings with low battery and overload indicators. Apart from that, the digital	Each	1

		weight scale also displays room temperature.		
SPORTS EQUIPMENTS FOR SENIOR SECONDARY (Samagra 386 Units)				
S.no	**Product**	**Product Description**	**Unit**	**Qty**
1	Tennis ball	Tennis balls are essential for playing tennis, a sport that provides excellent cardiovascular exercise, improves coordination, and enhances agility and flexibility. The ball must be made of rubber covered with felt. The ball must be durable with Hi Bounce. The weight of ball must not be less than 70gm. They are used in educational settings for learning coordination and in recreational games such as bounce games and hand-eye coordination challenges. Rubber Ball covered with felt. The Dia of ball must no be less than 65 mm	Pec	10
2	Foot ball	Football is a team sport that requires players to communicate effectively, collaborate, and strategize together to achieve common goals. It teaches individuals how to work as part of a team and builds camaraderie. The color of football must be Multicolor. The Ball must be made leather (PU leather, Synthetic Glossy rubber). The ball should not gain weight and size in any circumference. It should be round in shape and waterproof. It should be stitched with nylon/Polyester thread. The weight of ball must not be less than 14 ounce. The circumference must be between 680mm to 725 mm.	Pec	2
3	Frisbee	Playing frisbee involves running, jumping, and often diving or stretching to catch or throw the disc. This helps improve cardiovascular fitness, agility, and overall stamina. The frisbee must be made of Plastic. The weight of Frisbee must not be less than four ounces. The Dia of frisbee must not be less than 250mm.Frisbee players often develop strength in their legs, core, and upper body from the movements involved in throwing, catching, and maneuvering to defend or intercept passes. Frisbee is typically played in teams or groups, promoting social interaction, communication, and camaraderie among players. It's a great way to make new friends and strengthen existing relationships.	Pec	2
4	Batton	Passing the relay baton smoothly and efficiently requires synchronized teamwork and coordination among relay team members. This enhances communication skills and fosters a sense of unity and trust within the team. Speed and Efficiency: Relay baton exchanges emphasize speed and efficiency. Practicing baton handoffs helps athletes refine their timing, speed up transitions, and improve overall race performance. The baton must be made of Plastic. The length of each baton must not be less than 280 mm. The dia of each baton must not be less than 38 mm. The baton must be pack of 6 pieces.	Pack	2
5	Bean Bag	Made of polyester cloth with filling, used for catching	Pack	2

		practice, Pack of 4 pcs		
6	Skipping Rope	Skipping rope is an excellent aerobic exercise that gets your heart rate up, improving cardiovascular health and endurance over time. Skipping rope should be of good quality anti-slip foam handles with 7ft. long approx. 5 mm PVC coated rope with wooden handle provided with high quality. Material- Polyvinyl chloride Color- Multicolor. Jumping rope requires coordination between your hands and feet, helping to improve overall balance and motor skills.	Each	2
7	Badminton Racket with Shuttle	The main purpose of the badminton racket is to hit over the net and into the opponent's court during gameplay. The frame of the racket (from the top of the stringed area to the bottom of the handle) shall not exceed 680mm in overall length and 230mm in overall width, it shall be light weight head material normal body, shaft material steel Approx. The stringed area of the racket shall not exceed 280 mm in overall length and 220 mm in overall width. The string area shall be flat and consist of a pattern of crossed strings either alternately interlaced or bounded where they cross. The string thread should be of good quality. The stringing pattern shall be generally uniform and, in particulars, not less dense in the center than in any other area. The individual racket shall be packed. Badminton rackets are designed to generate power and control when hitting the shuttlecock. Each ratchet with three piece of Shuttlecock. The materials used in the frame and strings, along with the racket's weight and balance, influence how efficiently players can deliver shots.	Pack	2
8	Volley ball	Volleyball is a highly aerobic sport that involves continuous movement, jumping, and quick changes in direction. Playing volleyball regularly improves cardiovascular health, endurance, strength, and overall physical fitness. The ball must be of superior rubber, waterproof with butyl bladder, moulded The dia. of ball must not be less than 650mm and weight of ball must not be less than 8 ounce successfully passing, setting, and hitting the ball in volleyball requires precise hand-eye coordination and timing. Regular play can improve these skills significantly.	Each	2
9	Basketball	Basketball is a highly sport that involves running, jumping, dribbling, and shooting, which helps improve cardiovascular health, endurance, agility, and overall physical fitness. The dia of ball must not be less than 625 mm. Playing basketball requires using both upper and lower body muscles for shooting, passing, rebounding, and defending. It helps develop strength, coordination,	Each	2

		and balance. The weight of Basketball not less than 12 ounces. This basketball is made from the natural rubber that feels soft and gives you a great dribble.		
10	Marking cone with nos	Marking cones, also known as agility cones or training cones, are versatile and widely used in various settings for a range of purposes. In fitness classes and personal training sessions, marking cones are used for circuit training, interval workouts, and agility drills. The numbers must be in English and local language. They provide visual markers for exercises like shuttle runs, cone drills, and plyometric jumps. Bright colors and design for easy visibility, The Cones must be of of Polyethylene Tapered Design for easy stacking and storage The width and height of each cone must not be less than 110mm x 140mm The set of cone must be multicolored Multicolor. The complete set should be from number one to ten.	Pack	1
11	Saucer Cone	Saucer cone made up of Superior quality plastic Colour- Bright colour like Red, Yellow, Orange, Blue Base- Round base for stability Shape- Dome shape. Must be set of 10 Cones	Pack	1
12	Yoga Mat: -	The primary use of a yoga mat is for yoga practice. It provides a cushioned and non-slip surface that enhances comfort and stability during yoga poses (asanas), stretches, and meditation. The mat helps practitioners maintain proper alignment and balance while reducing the risk of slipping or injury on smooth floors. The Size of mat must not be less than 1850(L) x 575(W) in mm. The thickness of mat must not be less than 5.50mm. The mat must be of of Ethylene Vinyl Acetate Foam material. anti-skid and non-sticky double-sided texture.	Each	1
13	Learn to be Stable	Balance games offer several benefits, both physical and mental, making them valuable additions to fitness routines or therapeutic practices. Engaging in balance games helps improve proprioception (awareness of body position) and coordination, which are crucial for stability and movement control. This stable Board is fun, challenging and interesting game for children. This board has a small and guide impressions as centre for stable. The length and breadth of game must not be less than 480 x 380(in mm). The board must have round marbles, and fewer rings, allowing children from three to five to more easily maneuver the marbles through the levels. The thickness must not be less than 18 mm. The dia of each marble must not be less than 22mm. At the same time they are developing balance, strength, focus, and coordination. At the easiest level, start with one wooden marble and try to move it from the center to the outer	Each	1

		ring. Next, try using two balls; and then all three. For a greater challenge, try moving the marbles from the outer ring to the center.		
14	Practice Racket with Ball	Material: -Made of mulberry wood with high quality adhesive. Style 4 Ply insertion curved with triangle wooden piece in the center. No of Holes -70 holes of 1mm in zig zag direction. Type of String should be 0.95 mm gutted with 4 doubles in center having tension more than 25lbs.Size of head: -Head size should be 10" * 8" with 15mm thickness, Thickness:- Shaft thickness should not be more than 15mm with oval shape. Handle:- Handle should be 6.5 mm long with 22mm thickness in hexagonal shape. Head material:- Shaft and head should be leather. parchment with 1-1.5mm thickness. Feature:- Handle should be covered with special designed leather grip for better grip. material of Ball :-Wool used in ball should be acrylic imported wool with 8 thread lining. Weight should be approx. 26-27 grams. Size:- Size should not exceed 55mm in circumference. Min.No of Layers Ball should not be made of less than 425mm layers of wool.	Set	2
15	Chess Set	The Chess is a classic strategy board game played between two players. It's known for its deep tactical and strategic elements. The Board Size must be 425 mm x 425mm.The thickness of board must be not less than 12mm.The chess board game must be Plastic Solid box square size not less than 25 x 25mm.	Set	1
16	Discuss	Rubber Practice Discus is a hard rubber discus, excellent for training at the junior and senior levels. This rubber discus is perfect for athletes, coaches, and teams seeking a reliable and high-quality training and competition tool. The durable rubber construction ensures a long lifespan, even with frequent use. The Shape of discuss must be disc shaped and weight must not be less than 17 ounce	Each	1
17	First Aid Kit	Mouth to Mouth Resuscitator-2 Pec , Cotton-100gm (Sterilized)-2Pec , Glass Thermometer-1 (ISI Marked-IS 3055:2004 Part 2, Band aid-50pc, Roller bandage(5cm*5mtrs)-5pc, Scissors-1pc, Crepe bandage-2pc,T-Bandage-2pec, Antiseptic Wipes-5Pec, Antiseptic solution/liquid, Surgical Tape, Sanitizer. All items must be packed in Box/Kit.	Kit	1
18	Handball	Handball is a fast-paced team sport played indoors or outdoors, where players pass a ball using their hands with the objective of scoring goals by throwing the ball into the opponent's net. The ball is made of leather or synthetic material. The ball must be approved by federation of handball (India) The ball must be spherical and uniform in color, constructed of solid casing. The surface must not be shinny or slippery. The ball size i.e the circumference and weight must be between 540-	Each	1

		560mm and 11-14 ounce. The band ball must be of size two .		
19	Indoor cardboard Games	Indoor Cardboard games are a fantastic way to bring people together for fun and strategic play! They come in various styles and genres, catering to different interests and group sizes. The size of the cardboard games must not be less than 245 x 245 mm.The game must be on 350 gsm multi color printed and with game manual printed in English and local language. The game must be laminated. The set of game must have minimum eighty-five different brainstorming games. The cardboard games must be properly packed in box multicolor printed in English and local language.	Set	1
20	Hula Hoops	Hula hooping is a fun and energetic activity that involves spinning a large ring around the waist, limbs, or even the neck. It can be done as a casual pastime, a form of exercise, or as part of a performance or dance routine. Feature: massage Weighted Sports Hoop extra-large hula hoop for workout exercise teenagers and adults. Great way to have fun and adopt a healthy lifestyle. Hula Hoop must be made of Multicolor Plastic with diameter of 600mm.Hula hoop games and activities for kids are super motivating and fun ways to promote gross motor skills like coordination, endurance, balance, a physical, cardiovascular and trimming workout. Easy to use, great for beginners	Each	2
21	Stop Watch	The stopwatch is a portable timekeeping device used to measure the amount of time elapsed from a specific point, typically used in sports, experiments, or any activity where precise timing is essential. A perfect watch to have while doing any activity from day to say life to professional events. Has a thread to hang it around the neck making it easier to carry while doing any activity. The material must be plastic.	Each	1
22	Tennikot	Tennikoit is played by tossing a rubber disk using only one hand to throw and catch. Suitable for all ages and skills levels, ring tennis is enjoyed by men, women, teens and children; popular as a playground or PE game, as well as for families on picnics or camping trips. The ring must be made up of good quality rubber Diameter- Approx. 15 cm Thickness- 3 cm Shape- Round Color- multi color Weight- 250 gm (+/- 20 gm)	Each	4
23	Throwball	Throwball is a popular team sport that combines elements of volleyball and handball. It's played primarily in schools and recreational settings and is known for its fast-paced action. The ball is made of rubber material. The ball must be approved by International throwball Federation. The ball must be spherical and uniform in color, constructed of solid casing. The surface must not be shinny or slippery. The ball size i.e. the circumference	Each	2

		and weight must be between 580- 600mm and 15-16 ounce.		
24	Volleyball Net	A volleyball net is a crucial piece of equipment in both indoor and beach volleyball, dividing the court and providing a challenge for players to hit the ball over. The length of net must be 10.50 to 11 meter and 1meter wide at its top a horizontal band ,7cm wide on top and bottom	Each	1
25	Shotput	Rubber Shotput is a hard rubber Shotput excellent for training at the junior and senior levels. This rubber discus is perfect for athletes, coaches, and teams seeking a reliable and high-quality training and competition tool. The durable rubber construction ensures a long lifespan, even with frequent use. The Shape of discuss must be round and weight must not be less than 17 ounce	Each	1
26	Weighing Machine	Digital weighing machine is designed with Step ON technology that automatically calibrates and provides precise measurements as soon as you step on it. The electronic weight scale for human body operates on batteries. The backlit LCD panel showcases prominent readings with low battery and overload indicators. Apart from that, the digital weight scale also displays room temperature.	Each	1
27	Wooden Cricket Bat	The Bat must helps in achieving faster bat swings and reducing fatigue during prolonged use. This bat must be suitable for various levels of cricket play, from recreational to junior cricket, providing a versatile option that combines durability with improved performance .The bat must be made of Superior wood (popular willow/Kashmir willow) with flexible handle , with rubber grip for better grip .The length and width of the complete bat must not be less than 850 x 110(in mm) and handle length should be 280 mm. The weight of complete bat must not be less than 40-ounce wooden bats are used in schools and clubs for introducing young learners to the basics of bat-and-ball sports	Each	1
28	Cricket stumps	Stumps are iconic symbols of cricket and are an integral part of the game's equipment and traditions. The Complete set consists of plastic three Wicket with length not less than 700 mm and width not less than 32mm and weight not less than 4.80 ounce and with two Bails with length more than 140mm and weight not less than 0.55 ounce and with one Base Stand with length not less than 700mm and breadth not less than 150mm and base stand weight not less than 25 ounces. Stumps are placed at each end of the pitch, and they serve as the targets for the bowlers and as a reference point for fielders and umpires	SETS	1
29	Step Hurdle	A step hurdle, also known as a training hurdle or mini hurdle, is a versatile piece of equipment used in various sports and fitness activities. The Step Hurdle must be of Polyvinyl Chloride. The Complete set must be of	Pack	1

		minimum three different sizes and colors. Athletes use step hurdles during warm-up routines to activate muscles, increase heart rate, and prepare the body for more intense physical activity. They can also be used during cool-down sessions to promote flexibility and reduce muscle soreness		
30	Stature Scale	Stature scale provides precise and reliable measurements of an individual's height, which is essential for medical assessments, growth tracking, and accurate documentation. The measuring Bar must be vertical. The blade width must not be less than 10mm.The material of scale of Plastic	Each	1

Solution 10: Fund for Safety & Security-Equipment

This solution ensures the supply and installation of essential Safety and Security Equipment to strengthen fire safety and emergency preparedness in schools. The bidder must implement this component in 4128 schools under Samagra Shiksha and 84 PM SHRI schools, supporting the creation of safe, disaster-resilient learning environments for students and staff.

The major components factored for the solution are listed below:

i. Procurement and installation of fire safety equipment such as fire extinguishers, signage, basic firefighting tools, and first aid kits suitable for school environments.
ii. Equipment must be compliant with safety norms, easy to operate, durable, and appropriate for emergency response in schools.
iii. Installation at school level with submission of ICR and safety checklist.

Fund for Safety and Security (4128 Units)			
S. No.	**Item**	**Specification**	**Qty**
1	Fire Extinguishers	Powder Type Fire Extinguisher 2KG	1

Fund for Safety and Security (84 Units)		
S. No.	**Item**	**Qty**
1	CCTV Cameras (HD with Night Vision)	5
2	DVR/NVR (For CCTV Storage)	1
3	Fire Extinguishers (ABC Type)	5
4	Smoke Detectors	6
6	First Aid Kits	2
7	Emergency Exit Signage	12

Solution 11: Digital Library - Desktop Computers

This solution ensures the supply and installation of Desktop Computers to strengthen digital learning and ICT integration in schools. The bidder must implement this component in 2 PM SHRI schools, providing each school with two desktop computers to support access to e-learning resources, digital content, and interactive learning tools.

The major components factored for the solution are listed below:

i. Procurement and installation of desktop computers equipped with essential software, basic ICT tools, and internet connectivity to support digital learning and computer literacy.

ii. Systems must be durable, student-friendly, and compliant with ICT standards, ensuring reliable performance for teaching, learning, and research activities.

iii. Installation at school level, with submission of installation commissioning reports as documentary evidence.

Digital Library–2 Desktop Computers (2 PM Shri Schools)		
S.N.	**Parameter**	**Specifications**
1	Processor	Intel i3 – 1335U or better/AMD Ryzen™3 7430U Processor or better
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 (total 2 physical DIMM slots)
5	Hard Disk Drive	256GB NVMe SSD expandable upto 1TB
6	Graphics	Integrated Graphics UHD
7	Display	Minimum 14-inch diagonal LED-backlit (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 C@10Gbps
12	Integrated Media Card Reader	1 multi-format 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 dual stereo speakers; Integrated dual array microphone
16	Battery	Minimum 4 cell 49-watt hour or better
17	Operating System	Factory Preloaded Windows 11 SL/Home. Confirmation from OEM authorized signatory on OS preloading is mandatory.
18	OS Certification	Must be certified for Windows
19	Warranty	2 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.

22	OEM eligibility criteria	OEM of laptop should possess ISO 9001, 14001, 20001, 50001, 27001 & SA8000 certification as on bid submission date.
		OEM of laptop should have their own/ASP service centre in Tripura (Documentary evidence should be attached)
		OEM of Laptop should have a minimum turnover of 2000 Cr in the past 3 years
		OEM of laptop should have sold minimum 10000 units of laptops or similar category products during the last 3 years in any Govt./PSU/Private Corporate/BFSI/Defence (Documentary evidence of proof of end user purchase order copies from to be part of bid)
		OEM of laptop should be in top 5 vendor as per latest IDC report for commercial laptops

Solution 12: Science and Mathematics Circles

This solution ensures the establishment of Science and Mathematics Circles to promote inquiry-based, hands-on STEM learning among students. The bidder must implement this component in 81 PM SHRI schools, creating circles in each school to strengthen curiosity, problem-solving, and conceptual understanding through practical activities.

The major components factored for the solution are listed below:

i. Procurement and supply of materials, models, experiment kits, puzzles, and activity aids required to run Science and Mathematics Circles at the school level.
ii. Materials must be child-friendly, durable, and aligned with NCERT learning outcomes, supporting exploratory and activity-based learning.
iii. Delivery at inspectorate-level, with submission of delivery certificates as proof of supply.

Science Math Circles (81 PM Shri schools- 162 Units)			
S. No	**Item Name**	**Specification**	**Qty**
1	Decimal Abacus	Rectangular wooden base with as per rod diameter push fitted in holes deep 7 holes marking. (A) Wooden bar 1 Pc (B) Aluminum rod (no. 7). Length 9.5 times of diameter of bits (C) Plastic bits(type-mala ke-moti) 10 each with 7 colors. (A+B+C) 1 Set	2
2	Algebra Identities (5mm)	Sleeper foam (1) good quality with magnet and following measurement thickness of firm 1. Square 150X150 mm2 2. Rectangle 150 X 80 mm 2pcs 3. Square 90 x 90 mm2 1 4. Rectangle 80 X 50 mm 1 pc. 5. Square 150 x 150 e cut a corner 50 X 50 mm2 6. Rectangle 50 X 100 mm2 1 pc 7. Rectangle 150 X 50 mm2 1 pc 8. 100mm by 00mm 3 pcs 9. 100mm by 80mm--- pcs 10. 100mm by 20mm–10 pcs. 1 to 10 SET Note Magnet must he	2

		strong pull force (25gram) thickness 2mm, dimeter 15mm	
3	Geo Sticks	Good quality transparent plastic molded 26-1X20X2.7 mm to 3 mm having 3 slots of width 5mm at a distance of 0 to 30 mm next 50 to 200 mm and again 220 to 250mm numbering on 0 to 25 cm with mm both side all marking and numbering with the centre line in with 3 holes (one hole a: center and two are as shown in picture)	4
4	Double Sided Geoboard	ABS material 210X210X15mm one face has grids of 10mm square 2.5 mmX7mm dabble in built 17square each line 18 dowel sin built every line total square 289 and other side 4 rounds with 2.5 mm diameter X 6mm height dowel inbuilt diameter having 70,110,150 ,190 mm each diameter 20 dowels.	2
5	Geo Geometry Sticks Set of 24 (neodimimum magnets)	Good quality Plastic strips with 6 sizes (300mm.260mm,2 mm. 190m m 160mm.110mm) cach size has 4strips in different colors magnet at both end points with packing. Note- Magnet must be strong pull force (25 gram) thickness 2mm, dimeter 5mm	2
6	Magnetic Fraction Disk (10 disc with heavy magnet)	Magnetic fraction disk (circle) diameter 160 mm and width 6 mm of slipper foam material. Shows 1.2.3.4.5.6.8.9.10.12 parts. I set 10 items Note-Magnet must be strong pull force (5 gram) thickness 2mm, dimeter 15mm.	1
7	Types of Triangles Set of 16 Piece 4 Different Sizes	Cut outs of all types of triangles of different size acrylic sheets 2mm width. (A.) Equilateral triangle each side 120mm Apes (B)Scalene Triangle side 120mm. 100mm.80mm 4pcs (C.) Right angle triangle base 120mm.height 120mm 4pcs (D.) Isosceles triangle whose equal side is 120mm and other is 100mm 4pcs Each set has 4 pieces. (A+B+C+D) 16 PIECES I SET	1
8	Playing Cards	Deck of Playing cards material laminated both sides.	2
9	XY Axes Geoboard	Movable X Y axis coordinate Gico board with ABS plastic	1
10	Clinometer compass	(CLINOMETER IS USE FOR MEASURE HEIGHTS OF TREES. POLES. TOWERS AND BUILDINGS) Clinometer bus made by plastic body with 2mm sheet	1
11	Light Emitting Diode (LED)	Use in electricity circuit of 1.5 Volt Battery	10
12	Laboratory Thermometer	Class mercury filled-10	2
13	Triangular Glass Prism	Glass prism 50 mm equilateral triangle. Height -38mm X 38 mm	5
14	Boiling Tube	Borosilicate Glass, 90 mm height and 20 mm dia. With cork.	4
15	Half Protractor	Transparent plastic, standard 0 ti 180 degree with 3.2 mm hole in centre.	3
16	Ping Pong ball	ping pong ball with Standard diameter 40 mm	5

17	Plane mirror strips	Good quality 150 mm x 30 num 2 mm	3
18	Magnifying glass	Optical glass, Diameter – 50 nm Local length 20 mm with metal handle SI Mark.	2
19	Two cell holders	Cell holder for 4 'D' type cells box outer size 65 mm x 37 mm x17 with cover.	1
20	U Shape Magnet	Arm length 50 mm. N and S poles to be marked. (AI. NI, Co). Strong pull force 100 grams.	1
21	Bar Magnet	Size 75 mm x 12 mm x 08 mm, red colour N and S poles mentioned. (ALNI, Col. Strong pull force 100 grams.	2
22	Test tube holder	Length 200 mm to hold the test tubes up-to 10 mm diameter and another for 20 mm diameter boiling tube.	2
23	Rods with holder for conduction of heat	Total length of holder 215 mm 20 mm with plastic /wood 1 handle at one end and brass pipe 1 D 6.3 mm x50 mm at another end forming T shape. MS roland aluminum rod shall be 200 mm length. And dia. 6 mm	2
24	Claw hammer with handle	Forged, approximate weight 225 gm with wooden handle.	1
25	Steel Ball	Steel ball 1 with a hook diameter 19/20 mm.	2
26	Screw Driver	Made out of High-Grade Sicel and Transparent green cellulose acctate handle. Blade diameter 6mm, blade size 150 mm, tip size x 0.8 mm hardened with handle of diameter, 22 num.	2
27	Pulley with frame and rod	Plastic pulley dia. 50 mm. attached with frame 75 x 17 mm of MS 24 SWG and 1. Type rod of dia. 6 mm. overall length 115 mm bent at 15 mm at 90 degrees.	1
28	Measuring cylinder	Plastic, transparent with built in base, 100 ml graduation (min 1 ml)	1
29	Plastic Boxes	1. 220 mm x 125 mm x 85 mm 2. 172/175 mm x 130 mm x 70 mm.	2
30	Litmus paper	Red and Blue colour.	5
31	Needle	Standard	5
32	CHINA DISH	110mm diameter pack of 60 ml 4.1 inches for laboratory flat form glazed porcelain made China dish	1
33	FORCEPS	12.5cm (5") long.0.35 x 0.10mm Tips, Supe Fine, serrated tips, Stainless Steel	2
34	SCISSOR	Tip-Sharp/Blunt. Material: Stainless Steel Straight, size-6"	2
35	LAB STAND WITH CLAMP	Iron stand Rod Length 24 inch Basic 8-inch x Sinch x 24-inch x12 mm	1
36	LASER POINT	800-meter range, 1.5V, 2 AAA batteries, Wavelength (Red: 622-780)	5

Solution 13: ECCE Kits

This solution ensures the supply of ECCE Kits to strengthen play-based, child-centric learning for early learners. The bidder must implement this component in 78 PM SHRI schools, providing age-appropriate materials that support foundational cognitive, social, emotional, and language development in alignment with NCERT's ECCE framework.

The major components factored for the solution are listed below:

i. Procurement and supply of ECCE kits containing storybooks, flashcards, puzzles, manipulatives, puppets, activity charts, and sensory play materials suited for early childhood learning.
ii. Materials must be child-safe, durable, culturally contextual, and aligned with ECCE and NIPUN Bharat developmental milestones.
iii. Delivery to inspectorate-level locations, along with delivery certificates as proof of supply.

ECCE Kit – Jaadui Pitara (PM Shri 78 Units)		
S. No.	**Name of the Item**	**Qty**
1	TAMBOURINE	1
2	BIG BALL	1
3	BOWLING SET	1
4	BEADS WITH BIG HOLES AND STRING	1
5	PUZZLES OF HUMAN BODY PARTS	1
7	COLOUR SERIATION CARDS.	1
8	KITCHEN SET	1
11	PUZZLES OF ANIMALS	1
12	PLACE VALUE CARDS	1
13	DUMMY CURRENCY	1
14	STORY BOOKS	1
15	DRAWING SKILL CHART	1
16	FUN MASK	2
17	FLASH CARDS (WORD AND PICTURE)	1
18	SKILL MATCHING GAME	1
19	3D ACTIVITY BLOCKS	1
20	SCISSORS	2
21	CLASSIFICATION FLASHCARDS	1
23	PRE-NUMBER CONCEPT CARDS	1
24	MAGNETIC ALPHABETS	1
25	MAGNETIC NUMBER	1
26	PUZZLE MAP OF INDIA	1
27	MAGNETIC BOARD	1
29	JIGSAW PUZZLES	2
30	NUMBER DOMINO CARDS	1

32	MEMORY CARDS	1
33	KIT MANUAL	1
34	DECORATIVE BOX	1

Solution 14: 21st Century Skills

This solution ensures the implementation of a 21st Century Skills program to equip students with future-ready competencies. The bidder must implement this component in 81 PM SHRI schools, enabling learners to build digital literacy, critical thinking, collaboration, creativity, and problem-solving abilities through structured activities and experiential learning.

The major components factored for the solution are listed below:

i. Implementation of 21st Century Skills activities such as coding, robotics, communication workshops, debates, design thinking tasks, and collaborative projects.
ii. Learning resources and activity materials must support innovation, digital engagement, and higher-order thinking, aligned with NEP 2020 and PM SHRI objectives.
iii. Execution at the school level, with activity reports, participation records, and school-level attendance as documentary evidence.

21st Century Skill (81 PM SHRI Schools)				
Day	**Session**	**Duration (Hours)**	**Objective**	**Activities**
Day 1	Creativity & Innovation	5	Encourage imagination	Poster: "Future of My School/City"
	Collaboration & Teamwork		Practice group problem-solving	Paper bridge challenge
	Reflection &sharing		Share learnings	Team discussion
Day 2	Critical Thinking	5	Logical reasoning & analysis	Puzzle-solving, riddles
	Communication Skills		Improve expression & confidence	Peer interview, storytelling
	Group Presentation		Build confidence	Each group presents ideas
Day 3	Design Thinking Workshop	5	Learn innovation process	Identify a problem & prototype
	Innovation Challenge		Apply creativity + teamwork	Groups pitch solutions
	Showcase & Reflection		Present projects	Mini exhibition inside class
A team of eight trainers will be assigned, with each trainer responsible for facilitating training in 10 schools. Following the training, ongoing support will be provided for a period of four months to ensure sustained student progress.				

Solution 15: Financial Literacy and Numeracy

This solution ensures the implementation of a Financial Literacy and Numeracy program to build practical money management skills and foundational numeracy among students. The bidder must implement this component in 81 PM SHRI schools, enabling learners to understand budgeting, saving, everyday calculations, and real-life financial decision-making through interactive activities.

The major components factored for the solution are listed below:

i. Implementation of financial literacy and numeracy activities such as budgeting games, savings tasks, numeracy puzzles, and real-life problem-solving exercises.
ii. Learning materials and activity kits must be student-friendly, contextual, and aligned with foundational numeracy and life-skills goals.
iii. Execution at the school level, with activity reports, participation records, and school-level attendance as documentary evidence.

Financial Literacy and Numeracy (81 PM SHRI Schools)				
Day	**Session**	**Duration (Hours)**	**Objective**	**Activities**
Day 1	Introduction: Money Basics	5	Learn value of money, needs vs wants	Needs vs wants chart activity
	Budgeting in Daily Life		Practice financial planning	Mock budget with ₹500
	Savings & Piggy Bank		Understand saving habits	Create paper piggy bank, role play
Day 2	Banking Basics	5	Learn how banks function	Role play: banker–customer
	Interest & Numeracy		Learn simple/compound interest	Hands-on calculation with examples
	Group Activity: Pocket Money		Apply budgeting & savings	Group plans with ₹1000 for a week
Day 3	Entrepreneurship Game	5	Apply numeracy to business idea	Create a "mini shop" plan
	Financial Decision-Making		Develop decision-making skills	Case studies: buy vs save
	Showcase & Quiz		Revise learning	Money quiz & group reflections
A team of eight trainers will be assigned, with each trainer responsible for facilitating training in 10 schools. Following the training, ongoing support will be provided for a period of four months to ensure sustained student progress.				

Solution 16: Lab Equipment's- Science Lab

This solution ensures the supply of essential Physics, Chemistry, Biology, and Integrated Science lab equipment to strengthen practical scientific learning. The bidder must implement this component in 2 PM SHRI schools, equipping laboratories with materials required for hands-on experiments and concept demonstrations across major science disciplines.

The major components factored for the solution are listed below:

i. Procurement and supply of science lab equipment including microscopes, glassware, measurement tools, reagents, physics experiment kits, biological models, and other essential practical learning materials.

ii. Equipment must be safe, durable, age-appropriate, and compliant with NCERT/BIS norms, supporting structured, activity-based STEM learning.

iii. Delivery and installation at school level, with submission of installation commissioning reports, certificates as documentary evidence.

Lab Equipment (PCB) (PM Shri 2 Units)			
S. N.	**Equipment**	**Specification**	**Qty**
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 aluminum 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 nitrogens, 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	Battery, Pencil Cell 1.5 V AA	Electronics Development- Standard pencil cell for electronics experiments	20
16	Gear Box	Multipurpose connector: size 15mm x 0.8mm compatible with brick board made of high quality ABS material,, 10mm diameter and 10mm thickness plastic hollow spacer made of high-quality ABS material, 50mm x l 0mm x 10mm Multipurpose connector bricks having 1 row of 5 holes and made of high-quality ABS material , | CT2 – 28 pcs | CT3 – 15 pcs | CH2 – 20 pcs | CL2 – 18 pcs | TW1 – 18 pcs | PC3 – 4 pcs | PC3 Plus – 1 pc | P3 – 8 pcs | CT1x2 – 3 pcs | P5 Nut – 1 pc | P5 – 10 pcs | P7 – 6 pcs | P11 – 8 pcs | PU5x7 – 4 pcs | PU5x13 – 2 pcs | Rack – 3 pcs | G20 Plus – 4 pcs | G20 Idler – 2 pcs	3
17	Smart Circuit	Smart Circuit kit with more than 50 DIY (Do It Yourself) projects with more than 40 interactive simulations and 10 real-world model templates and a colourful user manual with its easy-to-follow instructions. Smart electronics kit for circuit design. Should have minimum 12 electronic components, more than 30 magnetic blocks with minimum 40 accessories for real model building along with dual power (USB + DC) which can be used to create many projects also no soldering is required.	3

18	Nuclear Reactor model	Model should demonstrate work of nuclear power plant It uses lights running effect to show the process, 30 x 22 x 1 cm; 250-gram, Battery: 1 x 9V (Included)	2
19	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 nitrogens, 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).	2
20	Robotics DIY Kit	Reprogrammable kit to offer opportunity to explore the world of IoT and cloud computing and different network protocols. The controller should be having 32-bit word length with capability of network communication with in built 802.11 b/g/n, with Chassis fibre, Bo motor, wheel, micro controller, connecting wires, Motor driver, IR sensor module, Bluetooth module, ultrasonic sensor, battery rechargeable, connectors, screw driver.	5
21	Laser ray optics kit	An exciting way to learn about optics by building and exploring common optical systems and two Acrylic Lenses, Ray Box with 5, 3 & 1 Light Beam configuration, Practice Sheets | Physics for Class 9-12	2
22	Law of resistance kit	DC Regulated Power Supply: Variable 0 – 5V DC the kit with inbuilt power supply for verifying the law of ohms for current and voltage relation, VIR Analog Moving Coil Meters: Voltmeter 0-5VDC & Ammeter 50 MA. In built power supply of 6V DC @ 500 mA, Inbuilt power supply, no need for extra battery source Line/Load Regulation of power supply: 2%+/-10mV. Rheostat is provided for varying the resistance with knob Meters Accuracy: +/-2.5% Operates on 220V AC @50/60 Hz. Provision to operate on external 6V battery	2
23	Transformer kit	Transformers are electrical devices that transfer energy from one circuit to another using no moving parts. They are commonly used to change voltages to useful levels and are integral to many household appliances.	2
24	Science Products	Polarizers are used in many optical techniques and instruments, and polarizing filters find applications in photography and LCD technology and for optics experiments, photography & LCD applications The film on the upper casing can rotate. When the two sheets are at 90 degrees to each other you can see through but when they are parallel that is at 0 degrees, they become opaque. The Polarizer & Analyzer are packed in case.	1
25	Wave demonstrator	The Wave Motion Demonstrator (WMD) uses mechanical waves to illustrate many of the properties and behaviors common to various types of waves.	1

26	Electric Motor Catalyst Kit	Mechanical tinkering kit for learning by doing. The kit components are Real wood, real motors, real hardware. Comes with a deck of 10 inspirational challenge cards; no training, special skills, computer or smartphone required. Using this kit, students must able to do following activities. 1. Create something that can make a loud Noise 2. Invent a tool that can cut a piece of paper by itself 3. Build a machine that draws curvy lines 4. Make a ride for one of your toys 5. Create something that moves in a straight line 6. Build a creature with spinning arm 7. Make a machine that can scramble an egg 8. Invent a robot that can move without wheels 9. Build something that can launch a wheel across the room 10. Create a vehicle with a suspension system	3
27	Robotics Learning Kit	Construction set with more than 50+ different component made in plastic with multiple sensors, brain unit and booklet for student to perform practical. It should have motor with transparent gear box.	1
28	Atomic Model Set	Atomic Model Set	2
29	Digital pH meter	Measuring range: 0. 00-14. 00 pH, Resolution: 0. 01 pH, Accuracy: 0. 01 pH, Batteries: 2 X 1. 5V LR44 (included), Automatic temperature compensation: 0-50°C (32- 122°F), Dimensions: 15.3x2. 9x1. 6cm/6.1x1. 3x0. 6 inch – Net Weight: 52g	1
30	Periodic Table Chart (Laminated)	Periodic Table Chart (Laminated)	1
31	3d Model Cube & Square	3d Model Cube & Square	1
32	3D Solid Model Cube	3D Solid Model Cube, Cuboid, Cone, Cylinder, Prism, Pyramid Sphere	1
33	Compound Microscope	Compound Microscope	1
34	3D Model of Human Heart	3D Model of Human Heart	1
35	3D Model of Human System	3D Model of Human System (Set of 5) (Circulatory, Respiratory, Nervous, Digestive, Reproductive)	1
36	3D Model of DNA	3D Model of DNA	1

37	Bio-gas Plant model	The model to show demonstration working of bio-gas plant Biogas which can be produced from raw materials such as agricultural waste, manure, municipal waste, plant material, sewage, green waste or food waste. Biogas is a 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; 1 Kilograms Battery: 1 x 9V (Included)	1
38	Area of Parallelogram	Area of Parallelogram	1
39	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	1
40	Day & Night Model	Day & Night Model	1
41	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, students to create their own battery with the help of water, salt (thus acting as an electrolyte) and two diodes to light a bulb. They 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.	1
42	Faraday Law	Faraday Law	1
43	Inclinator	Inclinometer Protractor Tilt Level Meter Angle Finder Clinometer with Magnetic Base Easy And convenient to use Measures angles accurately and quickly from 0-90 degrees in any quadrant Accuracy within ½ of 1-degree Magnetic base for mounting on steel framing square or Pipe Package Dimensions: 10 x 10 x 6 cm; 100 Grams	2
44	Joint (Set of 6)	Joint (Set of 6)	2
45	Kaleidoscope	Kaleidoscope	2
46	Law of Inertia	Law of Inertia	2

47	Lazy Tube	Lazy Tube	2
48	Maxwell Wheel	Maxwell Wheel	2
49	Mechanism of Breathing	Mechanism of Breathing	2
50	Newton 1st Law	Newton 1st Law	2
51	Newton 2nd Law	Newton 2nd Law	2
52	Newton Cradle	Newton Cradle	2
53	Fleming Left Hand Rule	Fleming Left Hand Rule	2
54	Periodic Table	Periodic Table	2
55	Periscope	Periscope	2
56	Phases of Moon	Phases of Moon	2
57	Pythagoras Theorem By Reverse Method	Colour: Yellow &Red, Material: Plastic, Size: 15 x 15 cm	2
58	Plant Cell	Plant Cell	2
59	Square of Numbers power of 2 board	Square of Numbers power of 2 board mathematics kit learning resources kit geoboard manipulative Size 21×21 cm plastic (Multicolor)	2
60	Algebra Case Kit	Colour: Yellow red Length: 41 cm Width: 41 cm Type: Case kit Brand:	1
61	Resonance	Resonance	1
62	Mensuration Kit	- Set of 11 demo activity kit – Understanding geometric figures and their parameters like length, volume, shape, surface area, lateral surface area, etc – Dimension: 40 x 30 x 8 cm – Material: EVA Foam	1
63	Solar System	Solar System	1
64	Solar & Lunar Eclipse	Solar & Lunar Eclipse	1
65	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)	1
66	Wind Mill	Wind Mill	1
67	Triangle Congruence	- Allow children to learn about the classification and congruency of triangles according to sides and angle with the help of this kit. This kit consists of 5 different types of congruent triangles. – Material: In EVA Form	1
68	Prism Kit	- 1 x Glass Prism x Halogen light (Tungsten bulb:10-50 W) with holder	2

69	Drip Irrigation System & Sustainable use of Natural Resources - Gardening Kit	Kit Dimension - 24 x 18 x 7 cm Kit Weight - 0.5 Kg Kit Components - 1 x Drip Irrigation Kit for 10 Plants 1 x Water Pump - Working Voltage - 12V | Power Rating - 3W 1 x HM10 Bluetooth Module 2 x 3W Red Power LED 2 x 3W Blue Power LED 2 x Light Dependent Resistor 1 x Soil Moisture Sensor Module - 5V Operation 15 x ¼W 10 kOhm Resistor 20 x 20cm Male - Male Jumper Cable 20 x 20cm Male - Female Jumper Cable 20 x 20cm Female - Female Jumper Cable pH Paper - 80 Strip Pack 1 x Power Adapter - Voltage Output - 12V | Current Rating - 2A	1
70	Human Body Parts and Structure	Torso	2
71	3D Pen	3D Pen with 3 * 1.75MM PLA Filaments 10m Each| 3D Printing Pen | 3D Pen Set with PLA Filament Included - Ready to Create	1
72	Fun Rocket Launcher	Pipe approximate size of 50 * 1.5 cm dia, 3 pipes each of length 16 - 22 cm depending upon range of product selected, stand of pipe of Rocket Launcher, foam based 3 rockets, air bag (pumping air), helps in understanding concept of pressure and rocket basic working, it can go approximately 10- 12 ft high.	3
73	Solar Car	Chassis for car and solar panel with wheel with motor Package Contains: 1 x Metal Chasis Material: Steel (Powder Coated) Features: Upto 75mm (3 inch) Wheels maximum Diameter supported	1
74	DIY Sound speaker	Product Name: Bluetooth Audio Amplifier Board Function type: Amplify audio Supply voltage: DC5Vbluetooth version: 5.0 Chip type: PAM8403	3

75	DISCOVERING MOTIONS-ROBOTICS	2 piece connector 2 piece multipurpose connector of size 15mm x 0.8mm compatible with brick board made of high quality ABS material 70 3 piece connector “3 piece multipurpose connector of size 21mm x 0.8mm compatible with brick board made of high quality ABS material” 35 Hollow Spacer 10mm diameter and 10mm thickness plastic hollow spacer made of high-quality ABS material 50 T connector 15mm x 10mm T connector compatible with the provided shafts such that the vertical part of the T-shape has a plus shape hole and the horizontal part of the T-shape has a round shape hole and made of high quality ABS material 20 1 x 3 (2 way Free connector) – 2 20mm x 0.8mm Brick connector such that after connecting the brick/connector should move freely and made of-high-quality ABS material 32 3xl Plus connector 30mm x 10mm x 10mm Connector. Should have a Plus shape in center and should be compatible with the plus shape shafts and made of high-quality ABS material 2 3 x 1 brick “30mm x l 0mm x 10mm Multipurpose connector bricks having 1 row of 3 holes and made of high-quality ABS material” 20 5 x 1 brick -A “50mm x l 0mm x 10mm Multipurpose connector bricks having 1 row of 5 holes and made of high-quality ABS material” 32 5 x 1 brick – B “50mm x 10mm x 10mm Should have a spiral slot at the center to insert the Screw shaft and made of high-quality ABS material” 2 7 x 1 Brick “70mm x 10mm x 10mm Multipurpose connector bricks having 1 row of7 holes and made of high -quality ABS material” 20 11 x 1 Brick 110mm x 10mm x 10mm Multipurpose connector bricks having l row of 11 holes and made of high-quality ABS material 22 Wheel with Rubber grip “Plastic wheel of 44mm diameter and 24m thickness compatible with provided shaft, Rubber grip for the provided wheel and made of high -quality ABS material” 18 Shaft – a “Minimum length 60mm Plastic shaft compatible with provided motor case and made of high -quality ABS material” 4 Shaft – b “Minimum length 1001mn Plastic shaft compatible with provided motor case and made of high -quality ABS material” 8 Dissembling tool 90 x 15 x 15 mm dissembling tool. Compatible for 2 piece connector and T connectors and made of high quality ABS material 4 11 x 7 Brick Board 111mm x 70mm x 10mm Multipurpose base brick for connectors having 77 holes compatible with provided bricks and other provided connectors and made of high quality ABS material 8 Joiner (plane) 20mm x 10mm x 10mm Joiner/Connector having two plus shape protrusion for joining which are compatible with provided bricks and made of high quality ABS material 14 Right angle connector 30mm x10mm x 10mm connector having two holes and 1 mid plus shape for joining which are compatible with provided bricks and made of high quality ABS material 10 Spur Gear 1 “20mm diameter and 10mm thickness plastic spur gear compatible with provided shaft and made of high quality ABS material” 14 Spur Gear 2 60mm diameter and 10mm thickness Plastic spur gear compatible with provided motor shaft and made of high quality ABS material 12 7 x 5 x 7 U shape brick 76mm x 50mm x 10mm Multipurpose bricks having 7 holes, 5 hole and7 holes in	1

		U shape and having a connecting protrusion on two ends of the U shape and two corresponding holes on the opposite end from the protrusion and made of high quality ABS material 16 13 x 5 x 13 U shape brick 140mm x 50mm x 10mm Multipurpose bricks having 13 holes, 5 hole and 13 holes in U shape and having a connecting protrusion on two ends of the U shape and two corresponding holes on the opposite end from the protrusion. And made of high-quality ABS material 8 Power Block 35mm x 30mm x 12mm Power block. Should have a 9V battery jack. Also, can be powered with 5v power bank through a USB cable. Should be compatible with the 2-piece connector. The block should have a 4-pin bug strip slot as output 2 Motor Block 35mm x 30mm x 12mm Motor block. Should have a JST pin to connect the motor. Male and female 4 pin bug strip for input and output. A slide switch to control the direction. Should be compatible with the 2-piece connector. Slide switch to turn On and Off. 4 IR sensor block 27mm x 26mm x 14mm IR sensor block. Should have a JST connector for input. Should be compatible with the 2-piece connector. Male and female 4 pin bug strip for input and output. 4 Distance block "35mm x 30mm x 12mm Distance block. Should be compatible with 2piece connector. Should have a JST connector and a variable knob. Male and female 4 pin bug strip for input and output." 4 LED block 35mm x 30mm x 12mm LED block. Male and female 4 pin bug strip for input and output. Should be compatible with the 2-piece connector. 2 Buzzer block 35mm x 30mm x 12mm small Buzzer block. Male and female 4 pin bug strip for input and output. Should be compatible with the 2-piece connector. 2 NOT gate block 35mm x 30mm x 12mm NOT gate block. Male and female 4 pin bugs trip for input and output. Should be compatible with the 2-piece connector. 2 JST wires JST wire connector of minimum length 15cm. 4 Gear Box with motor – a 80.5mm x 28.75mm x 48.5mm LA) Plastic Gear casing for toy motor, such that casing has provision for a side shaft lB) Gear mechanism such that students should be able to see the inner gear mechanism lC) Standard 3V DC toy motor All of the above should be provided in assembled form 4 Gear Box with motor with battery holder – b 80.5mm x 28.75mm x 48.5mm IA) Plastic Gear casing for toy motor, such that casing has provision for a side shaft IB) Gear mechanism such that students should be able to see the inner gear mechanism 1 C) Standard 3V DC toy motor All of the above should be provided in assembled form Should have a 2 AA battery closed holder and a slide switch to control the direction. 2 Shaft – c "Minimum length 170mm Plastic shaft compatible with provided motor case" 6 Screw shaft 120mm x 8mm spiral screw shaft compatible with 5 x 1 brick B. 2 Zig zag connector 50mm x 10mm x 10mm Compatible with the gears and Brick board. 6 Pulley 25mm dia x 11mm pulley block 2 Idler gear 20mm diameter and 10mm thickness plastic spur gear 4	

76	E Circuit kit	BUZZER toy block 36mmX16mm buzzer which have positive and negative terminal. 2 Colourful Toy Fan 66mm Radius fan with different Colour like Red, Green, Yellow, Blue, Orange, purple. 2 Red LED toy block 40mmXl 6mm Red LED With positive and negative terminal. 4 Green LED toy block 40mmX16mm Green LED With positive and negative tenninal. 2 Capacitor toy block 40mmX12mm 470 µF Capacitor with positive and negative terminal 4 10k resistor toy block 40mmX12mm 10k resistor with two terminals. 2 3.3k resistor toy block 40mmX12mm 3.3k resistor with two terminals. 2 20k resistor toy block 40mmX12mm 20k resistor with two terminals. 2 Push Button Switch toy block 43mmX15mm Push Button Switch with two terminals compatible for Circuit. 6 Slide Switch toy block 40mmX12mm Slide Switch with two terminals compatible for Circuit. 2 Light Sensor toy block 37mmXl3mm LOR Light Sensor with two terminals compatible for Circuit. 2 Potentiometer toy block Potentiometer with three tenninal that's compatible with Circuit. 2 Motor toy block 15mmX35mm motor with two tenninal that's compatible with Circuit. 2 Mounting Tools 5 Mounting tools for Mounting different component. 10 Battery Box toy block Battery Box for Two AA Battery that provide Power Supply to Circuits2 Alligator Clip Wire one pair of alligator clip provided for Clip different components. 2 Jumper Wire Jumper Wire for connected different components 6 21 x 21 Brick Board (2) 210mm x 210mm x 10mm Multipurpose base brick for connectors having 441 holes compatible with provided bricks and other provided connectors	1
77	Digital Pen electric Tester	Voltage tester	1
78	Digital Multi Meter	"Digital Multi Meter Voltage Current Resistance-7 functions + 19 ranges to cover DC voltage 200mV to 1kV," AC voltage 200 V - 750 V, DC current 200 µA - 10 A "Resistance 200 -2 M Ohm and Transistor & diode test."	5
79	DIY Paper Microscope	DIY Paper microscope. Magnification range - 100x to 2000x	5
80	Telescope	All glass optical components "Altazimuth mount suitable for terrestrial and astronomical use" "minimum 700 mm focal length"	1
81	Compound Biological Microscope	ISI based microscope: Metal Body, overall height approx. 320 mm, base 125 mm x 200 mm. Achromatic good quality lenses. Two Objectives: 10x& 45x. Two Eyepieces: IOx& 15x having coarse fine motion & fixed condenser.	1
82	Spring balance	A R S., open type, capacity 250 g, graduation in steps of 10 g on one side and Newton's on the other side. As per sample.	2
83	Magnetic Compass	Metal case, polystyrene transparent top, magnetized needle with north marked red and south marked blue, 50 mm size. As per sample.	1

84	Full Protractor	Transparent plastic dia. 125 mm, approx. thickness 2 mm. Double angle marking 03600 As per sample	1
85	Tuning Fork and rubber pad	Mild Steel flattened 06 x 3.4 mm, prongs 110 mm long, frequency 256 Hz. A piece of rubber pad of 70 mm x 50 mm x 8 mm as per sample	1
86	Measuring cylinder	Plastic, transparent with built-in base, 100 mL, graduation 1'mL	1
87	Syringe Pump	Poly carbonate syringe pump, overall size with piston 200mm.andouter dia. 30mm.	4
88	U-Shape Magnet	Arm length 50 mm, N and S poles to be marked.	4
89	Bar Magnet	Size 75 mm x 12 mm x 8 mm, N and S pole mentioned	1
90	Cylindrical Magnet	Dia. 16 mm and length 25 mm.	1
91	Ring Magnet	Outer dia. 18 mm and thickness 3 mm.	1
92	Disc Magnet	Dia. 36 mm and 8 mm thick. ferrite	1
93	Laboratory Stand l) Boss head 2) Clamp 3) G clamp	MS rod dia 10 mm x 375 mm long, MS base, CI Boss head, G clamp and V-type clamp.	1
94	Multimeter	Pocket size, digital, high impedance.	1
95	Pair of Tongs	Dia. 05 mm, overall length 160 mm, chrome plated.	1
96	Surgical Scissors	125 mm, one prong blunt and other pointed, standard.	1
97	Screw driver	Dia 6mmx100 mm long, hardened, with plastic handle.	1
98	Dissecting Needle	Standard, length 120 mm, with plastic handle.	2
99	Claw hammer with handle	Forged, approximate weight 225 gm with wooden handle.	1
100	Magnifying Glass	Optical glass, focal length 120 mm, with plastic handle.	1
101	Beaker (50mL)	Borosilicate glass, capacity 50 mL, height 56 mm, dia 42 mm. with rim.	2
102	Micro Beaker (10mL)	Borosilicate glass, capacity 10 mL, height 30 mm, dia 20 mm. with rim.	4
103	Permanent slide	Hydra, Amoeba, Paramecium, Striated muscles, Nerve cell, Spirogyra (Packed in plastic slide box)	1
104	Double Concave Lens	Glass, Focal length 20 cm and dia. 50 mm.	1
105	Double Convex lens	Glass, Focal length 20 cm and dia. 50 mm.	1
106	Concave Mirror	Glass, Focal Length 20 cm, dia. 5cm.	1
107	Convex Mirror	Glass, Focal Length 20 cm, dia. 5cm.	1
108	Plastic Boxes	Appropriate size to keep all glass items. 2 Boxes of sizel 70 mm x 130 mm x 75 mm each 1 box of size 230 mm x 128/130 mm x 85 Glass ware items to be packed in all these boxes.	3

Solution 17: Vedic Math

This solution ensures the implementation of a Vedic Mathematics program to enhance students' mental calculation skills and mathematical confidence. The bidder must implement this component in 81 PM SHRI schools, promoting faster arithmetic, logical thinking, and pattern recognition through structured workshops and practice-based activities.

The major components factored for the solution are listed below:

i. Implementation of Vedic Mathematics activities including workshops, practice sessions, and classroom exercises based on traditional rapid calculation techniques.

ii. Learning materials and worksheets must be student-friendly, culturally contextual, and aligned with improving numeracy fluency and logical reasoning.

iii. Execution at the school level, with activity reports, participation records, and school-level attendance as documentary evidence.

Vedic Math (81 PM SHRI Schools)			
Session	**Duration (Hours)**	**Objective**	**Activities**
Introduction to Vedic Maths	5	Build curiosity, understand why Vedic Maths is useful	Icebreaker: Brain race (students vs calculator). Short story of sutras.
Addition & Subtraction Shortcuts		Learn easy mental tricks for sums & differences	Practice with 2-digit & 3-digit numbers. Peer challenge (who solves faster).
Multiplication Techniques		Master crosswise & vertical multiplication	Solve 2-digit × 2-digit sums, group competition: "Faster than a calculator."
Division & Square Roots		Apply sutras for division and roots	Hands-on practice with examples. Group puzzles on quick division.
Puzzle Hour & Application		Apply Vedic methods in real-world problems	Sudoku, number riddles, quiz competition using Vedic tricks.
Reflection & Showcase		Revise and consolidate learning	Quick recap game: each group demonstrates 1 trick on board.
A team of eight trainers will be assigned, with each trainer responsible for facilitating training in 10 schools. Following the training, ongoing support will be provided for a period of four months to ensure sustained student progress.			

Solution 18: Adolescent Development Programs for girl

This solution ensures the implementation of Adolescent Development Programs to support the health, confidence, and well-being of girl students. The bidder must implement this component in 941 schools under Samagra Shiksha and 60 PM SHRI schools, focusing on life skills, health awareness, safety, and empowerment during adolescence.

The major components factored for the solution are listed below:

i. Implementation of awareness sessions, health & hygiene camps, and life-skills workshops addressing nutrition, menstrual health, safety, confidence-building, and leadership skills for adolescent girls.

ii. Learning materials and facilitation resources must be age-appropriate, culturally relevant, and aligned with holistic adolescent development needs.

iii. Execution at the centralized level, with activity reports, participation records, and school-level attendance as documentary evidence.

Adolescent Programme – Offline					
S.N.	**Day**	**Session**	**Duration (Hours)**	**Objective**	**Activities**
1	Day 1	Ice-breaking & Orientation	5	Build comfort, set expectations	Introductions, group games, setting ground rules
		Understanding Adolescence		Increase awareness of physical & emotional changes	Interactive discussion, myth-busting quiz, "Body Image" activity
		Menstrual Health & Hygiene		Promote healthy practices, break taboos	Demonstration of hygiene products, "Myths vs Facts" activity, group sharing
		Reflection & Q&A		Reinforce learning and clarify doubts	Open discussion, recap chart, anonymous question box
2	Day 2	Self-esteem & Confidence	5	Strengthen self-belief & expression	"Strengths Tree" activity, storytelling, role play on saying 'No'
		Life Skills & Decision Making		Develop critical thinking & communication	Case studies on peer pressure, group problem solving, communication games
		Safety & Rights		Create awareness of rights & protection	"Circle of Trust" activity, safety mapping, info on helplines
3	Day 3	Career & Future Planning	5	Build aspirations & goal-setting skills	Goal-setting worksheets, career discussion, vision board activity
		Financial Literacy Basics		Improve money management & numeracy	Mock market game, budgeting exercise, savings diary activity
		Consolidation & Action Plan		Enable follow-up and sustainability	Group presentations, personal action plan, certificate distribution

Adolescent Programme – Online					
S.N.	**Day**	**Session**	**Duration (Hours)**	**Objective**	**Activities**
1	Day 1	Ice-breaking & Orientation	5	Build comfort, set expectations	Introductions, group games, setting ground rules
		Understanding Adolescence		Increase awareness of physical & emotional changes	Interactive discussion, myth-busting quiz, "Body Image" activity

		Menstrual Health & Hygiene		Promote healthy practices, break taboos	Demonstration of hygiene products, "Myths vs Facts" activity, group sharing
		Reflection & Q&A		Reinforce learning and clarify doubts	Open discussion, recap chart, anonymous question box
2	Day 2	Self-esteem & Confidence	5	Strengthen self-belief & expression	"Strengths Tree" activity, storytelling, role play on saying 'No'
		Life Skills & Decision Making		Develop critical thinking & communication	Case studies on peer pressure, group problem solving, communication games
		Safety & Rights		Create awareness of rights & protection	"Circle of Trust" activity, safety mapping, info on helplines
3	Day 3	Career & Future Planning	5	Build aspirations & goal-setting skills	Goal-setting worksheets, career discussion, vision board activity
		Financial Literacy Basics		Improve money management & numeracy	Mock market game, budgeting exercise, savings diary activity
		Consolidation & Action Plan		Enable follow-up and sustainability	Group presentations, personal action plan, certificate distribution

Solution 19: Career Guidance Programme for girls

This solution ensures the implementation of a structured Career Guidance Programme at school level to support informed academic and career decision-making among girl students. The bidder must implement this component in 941 schools under Samagra Shiksha and 60 PM SHRI schools, enabling learners to explore career pathways, identify strengths, and receive guided mentorship.

The major components factored for the solution are listed below:

i. Implementation of career counselling activities including awareness sessions, psychometric assessments, skill identification workshops, and guidance on higher education, vocational options, and emerging career fields.

ii. Provision of student-friendly career resources such as digital career tools, aptitude tests, and informational materials aligned with future education and career planning.

iii. Execution at the school level, with activity reports, participation records, and school-level attendance as documentary evidence.

Career Guidance Programme – Offline				
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
A team of six counsellors will be assigned, with each counsellor responsible for facilitating training in 10 schools. Following the counselling, ongoing support will be provided for a period of two months to ensure sustained student progress and well-being.				

Career Guidance Programme – Online				
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 20: Enhancement of School Facilities and Aesthetics

This solution ensures the enhancement of essential school facilities to create safe, clean, and learner-friendly environments. The bidder must implement this component in 84 PM SHRI schools, strengthening hygiene, safety, and overall school aesthetics through upgraded utilities and infrastructure.

The major components factored for the solution are listed below:

i. Procurement and installation of essential utilities such as CCTV cameras, RO water purifiers, fire safety equipment, dustbins, doormats, and other school facility enhancement items.

ii. All equipment must be durable, safe, and compliant with institutional standards, supporting improved hygiene, security, and functional school operations.

iii. Installation at the school level, with submission of ICR and school-level verification documents as proof of completion.

Enhancement of School Facilities (Pm Shri 84 Units)		
S. No.	**Item**	**Qty**
1	Dustbins – 60L (Color-coded: Dry/Wet)	6 (3 pairs)
2	Classroom Dustbins – 15L (per room)	15
3	Large Outdoor Garbage Bin – 120L	2
4	Handwashing Station (2–3 taps + stand)	2
5	Liquid Soap Dispensers (wall-mounted)	10
6	RO Water Purifier (50 LPH)	1
7	Water Cooler (150 Litre with tap system)	2
8	Floor Mats / Doormats (coconut/PVC, heavy use)	10
9	Shoe Rack (corridor/outside lab)	4
10	Cleaning Equipment Storage Rack	2
11	Mop Sets (bucket + wringer)	6
12	Brooms (soft & hard, mix)	10
13	Dustpans with brushes	10
14	Sanitary Napkin Vending Machine	1
15	Sanitary Napkin Incinerator	1
16	Washroom Hygiene Kits (toilet roll, brush, cleaning liquids, gloves)	5 sets

17	Air Fresheners/Deodorizers (automatic dispensers)	4
18	Waste Collection Trolley (for staff)	1
19	Pest Control Kit / Mosquito Repellent Machine	2
20	First Aid Kits (classroom block & staff room)	5
21	CCTV Cameras (HD with Night Vision)	5
22	Fire Extinguishers (ABC Type)	6
23	Smoke Detectors	6
24	Notice Board 3 feet x4 feet Shutter Board with Acrylic Cover Premium Material Pin-up Board/Bulletin Board/Display Board	5
25	Hand Dryer (Automatic, Wall-Mounted): Touch-free operation with infrared sensor, air speed ≥ 90 m/s, drying time ≤ 15 seconds, durable ABS/stainless-steel body, 1800–2000W power, noise level ≤ 70 dB.	6
26	Sanitizer Dispenser and Intelligent Infrared Thermometer	2
27	Wheelchair	2