BID DOCUMENT

Tender for Selection of System Integrator for providing Science Centre, Jadui Pitara/Khoji Box, Science Kits and Maths Kits in Government Schools in Jammu and Kashmir

PART-I: TECHNICAL BID

NIT No- EdCIL/DES/J&K/2025/001

Dated: 24.04.2025

EdCIL (India) Limited
A Govt. of India, Mini Ratna Category-I CPSE
EdCIL House, Plot No. 18A, Sector 16A,
Noida-201301 (U.P.) India
Tel: 0120-4156001, 4156002, 4154003, 2970206, 2970207
Fax: 0091 120 2970209

CIN No.-U74899DL1981GOI011882

This document is serially numbered from page number 01 to 110.

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 Category-I CPSE)
SECTOR 16A, NOIDA

NIT No- EdCIL/DES/J&K/2025/001 Date: 24.04.2025

Name of work	Tender for Selection of System Integrator for providing Science Centre, Jadui Pitara/Khoji Box, Science Kits and Maths Kits in Government Schools of Jammu and Kashmir
The Currency in which payment shall be made	Indian Rupees (INR)
Date of Issue/ Publishing	24.04.2025
Document Download/ Sale Start Date	24.04.2025
Document Download/ Sale End Date and Time	13.05.2025 at 14:30 Hrs
Pre-Bid queries should reach by	28.04.2025 till 16:00 Hrs Bid queries received later than the date and time as mentioned above will not be entertained. Pre-bid queries should be emailed to destenders@edcil.co.in as per format specified.
Last Date and Time for receipts of Bids	13.05.2025 upto 15:00 Hrs. In case a Holiday is declared on 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 Technical Bids	13.05.2025 at 15:30 Hrs
Date and Time of Opening of Financial Bids	To be informed later

Earnest Money Deposit	Rs. 10,85,000/- (Rupees Ten lakhs Eighty-Five Thousand only) in form of Bank Guarantee/Demand Draft from the approved list of Banks. 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 90 days after the bid validity date and should be as per the Annexure - VIII.
No. of Covers	02 (Two Packets)
Bid Validity days	180 days (From last date of opening of tender)
Performance Bank Guarantee (PBG)	3% of the total work value of the successful bidder. PBG is required to be submitted within 14 days from the date of issue of LOA as per Annexure-IX
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 Building, 14 KG Marg, New Delhi - 110001

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

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

4. 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.
5. 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 Documents

1.1 Offline Submission

The bidder is requested to submit the following documents offline to the under mentioned address before the start of Public Online Tender Opening Event in a Sealed Envelope at the address.

The envelope shall bear 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 copy of the power-of-attorney.
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 Submission

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

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Types**
1.	Technical Bid	Annexure-I: Letter of Undertaking	.PDF
2.		Annexure-II: Self Declaration	.PDF
3.		Annexure-III: Tender Compliance Sheet	.PDF
4.		Annexure-IV: Annual Average Turnover	.PDF
5.		Annexure-V: List of Orders Executed	.PDF
6.		Annexure-VI: Power of Attorney	.PDF
7.		Annexure-VII: Declaration Sheet	.PDF
8.		Annexure-VIII: BG Towards EMD	.PDF
9.		Annexure-IX: Performance Bank Guarantee	.PDF

10.		Annexure-X: Integrity Pact	.PDF
11.		Annexure-XI: Contract Form	.PDF
12.		Annexure-XII: Insolvency Certificate	.PDF
13.		Annexure-XVI – OEM Authorization Form	.PDF
14.		All Supporting documents of eligibility criteria	.PDF
15.		Signed copy of tender and corrigendum (if any)	.PDF
Envelope-2			
Sl. No.	**Documents**	**Content**	
1.	Financial Bid	Financial Bid Submission Letter	.PDF
2.		Price bid as per Financial Bid (Form 1)	.XLS

CHAPTER-II

Term of Reference & Definitions

Term	Definition
Supplier	"Supplier" means any company responding to the "Selection of System Integrator for providing Science Centre, Jadui Pitara/Khoji Box, Science Kits and Maths Kits in Government Schools of Jammu and Kashmir" and who has successfully received the letter of award.
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 Two Packets, 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.
Bidder	"Bidder" means any company responding to Request for Proposal and who makes a Bid.
Contract	"The Contract" means the agreement entered into between EdCIL and the selected bidder(s) in terms of clauses mentioned
Day	"Day" means a working day as per rules of EdCIL.
EMD	Earnest Money Deposit
D.D	Demand Draft
EdCIL	EdCIL (India) Limited, Noida (A Mini Ratna Category -I CPSE)
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/Tender	"**RFP**"/Tender means the Request for Proposals
Goods and Materials	"Goods and Materials" shall mean the articles, materials, equipment, IT Equipment, supplier's drawings, data and other property and all services-including design, delivery, installation, inspection and maintenance support specified or required to complete the order and incidental thereto.
Order	"Order" shall mean the Purchase Order/Work order and its attachments and exhibits.
Consignee	"Consignee" shall mean **client**, where services have to be rendered.

CHAPTER-III

Instructions for e-Tendering

3.1 INSTRUCTIONS FOR ONLINE BID SUBMISSION:

1) E-tendering is a 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 charge as follows:

1	Registration charges for 1 year	Rs. 2,000/-

(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) Participants 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) The bidder should consider any corrigendum/addendum published on the portal before submitting their bids.

2) **The bidder should 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 must be submitted, the number of documents (including the names and content of each of the documents) that need to be submitted. Any deviations from these may lead to rejection of the bid.

3) The bidder, in advance, should prepare 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) The 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 uploads the bid in time i.e. on or before the bid submission time. The bidder will be solely responsible for any delay in uploading of bid within the stipulated time.
2) The bidder must digitally sign and upload the required bid documents one by one as indicated in the tender document.
3) The bidder must 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 General

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

ii. The offer/ bid shall be submitted in two bid systems (i.e.) Technical Bid and Commercial Bid. The technical bid shall consist of all technical details along with commercial terms and conditions. Commercial bid shall indicate break up price for the various products and services mentioned in the technical bid in the given PDF format.

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

iv. 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.

v. 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.

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

vii. 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.

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

4.2 Code of integrity

No official of a 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 behaviour 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 the 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.

4.3 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.

4.4 Preparations to bid

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 conditions 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.

4.5 Pre-Bid Conference

The bidder is requested to submit any queries in writing by e-mail so as to reach EdCIL. If required, EdCIL reserves the right to conduct the pre-bid meeting over Video Conference 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.
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 endeavor to provide a 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. 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.

4.6 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.

4.7 Earnest Money Deposit (EMD)

The bidder should enclose EMD of Rs. 10,85,000/- (Rupees Ten lakhs Eighty-Five Thousand only) in the form of Demand Draft drawn in favor of EdCIL (India) Limited and payable at NOIDA from the approved bank as per list at Annexure-XV. 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. 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. EMD of the successful bidder will be released after the end of project.

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

iv. 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

4.8 <u>Performance Security:</u>

i. Performance security in the form of following against each work order to be submitted by the successful bidder:

- FDR/DD/Performance Security should be submitted from the approved list of banks as per list at Annexure-XV.

ii. Performance Security:

- Whenever a work order is placed by the EdCIL, the successful bidder would be required to submit a FDR / DD / PBG as per Annexure-IX of an amount of 3% of the value of each work order issued within 14 working days of placing of order failing which appropriate action may be taken by EdCIL.
- This FDR / DD/ PBG shall remain valid for a period of 90 (Ninety) days beyond the date of completion of warranty / AMC period.
- In case the concerned "successful bidder" fails to submit this PBG within the time stipulated, EdCIL at its discretion may cancel the work order without giving any notice and terminate the contract.

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

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

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

v. PBG shall be returned to the successful bidder only after 90 days of the successful completion of the Contract. In case of any shortfall of any activity/ specification/ other terms and conditions of the contract, EdCIL reserves the right to recover damages or loss from the due the payment or by the encashment of PBG.

In case the work order is extended beyond the initial period the successful bidder is required to deposit Performance Bank Guarantee equivalent to 3% of contract value to EdCIL within 15 days from the date of receipt of extension order.

4.9 Amendment to the 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 firm, 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.

4.10 Clarifications on submitted bids

During 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.

4.11 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

5.1 Introduction

EdCIL (India) Limited, is a "Mini Ratna Category - 1" Central Public Sector Enterprise wholly owned under the administrative control of the Ministry of Education, Government of India. The Company offers Project Management and Consultancy Services in the area of education and human resource development value chain addition within India and overseas. Clients of EDCIL include mostly State and Central Govt. Department, PSUs and Autonomous bodies including IITs, IIMs, IIITs, Kendriya Vidyalaya and Navodaya Vidyalaya.

A strong resource base and a professionally competent and dedicated workforce have ensured us a global presence and strengthened our core competency in all areas of Education and human resource development, including other related areas of social sector(Health, Agriculture and Rural Development) EdCIL undertakes projects on turnkey basis from concept to commissioning and ensure effective management of all operational activities from identification and articulation of objectives to the continuous monitoring and evaluation of projects culminating in the fulfilment of targets within the stipulated time frame.

The Atal Innovation Mission (AIM), established by NITI Aayog, is a flagship initiative of the Government of India to foster a culture of innovation and entrepreneurship across the country. The AIM initiative has successfully disrupted the conventional learning model by promoting experiential learning and empowering students to develop creative solutions using emerging technologies.

To further augment this initiative Science Centres, Jadui Pitara, Science Kits, and Mathematics Kits is proposed. These interventions will enhance hands-on learning experiences, foster scientific curiosity, and cultivate technological proficiency among students.

In line with the National Education Policy (NEP) 2020, these labs and learning resources will focus on encouraging inquiry-based learning, interdisciplinary approaches, and creative thinking. The initiative aims to create a comprehensive ecosystem where students and teachers can explore concepts through experimentation and real-world problem-solving.

5.2 Objectives

- Promote Experiential Learning: Provide students with hands-on exposure to advanced technologies like 3D printing, robotics, Internet of Things (IoT), space technology, drone technology, and virtual reality.
- Encourage Innovation and Problem Solving: Foster critical thinking and innovation skills by providing an open platform for students to design and prototype their ideas.
- Teacher Capacity Building: Empower educators through regular training and workshops to utilize technology-enabled learning tools effectively.
- Promote Interdisciplinary Learning: Facilitate cross-disciplinary projects that integrate concepts from science, mathematics, technology, and engineering.

5.3 The details of solutions required are mentioned in the table 5.1.

Table-5.1

S. No	Solution(s)	Quantity
Solution – 1	Science Centre	145
Solution – 2	Jadui Pitara/ Khoji Box	960
Solution – 3	Science Kits	7509
Solution – 4	Maths Kits	7509

5.4 Bill of Material placed at Annexure XIV.

5.5 Bidder shall provide an authorized/appointed Project Coordinator for this project for the State/UT of Jammu and Kashmir to liaise with EdCIL and end customer to ensure smooth onward execution of the project successfully. While allocating the work the local work-force of J&K may be preferred.

5.6 Insurance & Transportation

- The selected Bidder shall be responsible for acquiring comprehensive insurance including transit insurance, liability insurance and any other insurance as required for all the equipment till the delivery, installation and commissioning at the respective end client location/school level (whichever applicable).

- For delivery of goods at the end client's location, the insurance should be obtained by the supplier in an amount equal to 110% of the value of the goods from "supplier location to end client location" (final destinations) on"All Risks" basis including War Risks and Strikes. The insurance should be valid for a period of not less than 3 months after the completion of installation and commissioning. If orders placed on CIF/CIP basis, the insurance should be up to End Client place.

- The Supplier should make all arrangements towards safe and complete delivery at End Clients Location. Such responsibility as part of the supplier will include taking care of insurance, freight, octroi, state level permits etc. as applicable.

- The selected Bidder should also take care of transit insurance, comprehensive insurance or any other insurance as required which may have direct bearingon the delivery of the items / equipment's at End Clients location.

- It is the total responsibility of supplier to complete all formalities to transit of goods from the place of dispatch to End Clients Location.

- The selected Bidder should ensure that no person can engage in the business of a common carrier unless he has granted a certificate of registration to do so for supply of items at End Clients Location.

- The transportation of goods through unregistered common carrier is illegal. The bidder should ensure to comply the carriage by latest Road Act and any other relevant.
- The selected Bidder will keep EdCIL informed about various stages of deliveries

& installation.

- All costs related to insurance shall be borne by the selected Bidder for goods supplied under the Agreement against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery etc. A copy of Insurance Certificate should be provided to EdCIL.

5.1 Unloading and Unpacking

Unless specified otherwise in the purchase order, Unloading and storage of the same at the designated place should be undertaken by the successful bidder. The Unpacking of the materials should also be arranged by successful bidder.

5.2 Pre-Delivery Inspection

- 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 bidder 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.

5.3 Delivery, Installation and commissioning

- Delivery, Installation and commissioning of the "proposed labs" at the school level or the desired location should be made within a maximum of 40 calendar days from the date of placement of purchase order or as per the timelines awarded from the customer.
- Delivery initially at centralized location followed by Installation of all hardware

equipment & Software in all designated schools should be done within 6 Weeks from date of issue of purchase order/Signing of MoU.

- The quantity may be increased/decreased depending on the budget/approvals of the department during the tenure of the project.
- Penalty in case of delay shall be decided by the competent authority at that point of time.
- Site survey & feasibility is to be undertaken for identification of the classrooms at each school for the establishment of labs at the respective site shared by the end customer.
- Testing of the equipment commissioned and ensuring proper functioning at all levels.
- The proposed solution should have latest technology features and standards.
- However, the school's premises upkeep, safety and the electrical maintenance will be the responsibility of the school authorities.
- The bidder shall be responsible to maintain documentation on the progress of the implemented labs and will have to update the same on regular basis to concerned stake holders.
- Training for teachers on how to use the LAB and supply of content for these Labs, including study material for students shall be responsibility of implementing agency.
- Helpdesk and onsite support for repair and maintenance of created infrastructure.
- The successful bidder to provide absolute supply and Commissioning schedule within 7 days from the receipt of Purchase Order.
- Till the EdCIL/end client takes over/ receives the equipment/ items, the supplier should be responsible to keep the same in safe custody and the charges (if any) to be borne by the successful bidder.
- As part of commissioning of the delivered equipment, the selected Bidder shall depute its technically qualified representative(s) to facilitate the conduct of inspection of 100% of the delivered quantity in presence of the EdCIL Official(s) and End Client (s), if required. This inspection shall start immediately after delivery of the equipment's at the centralized location.
- After completion of the inspection, all the equipment shall be repackaged. Rejected equipment if any shall be returned back to the authorized representative of the selected Bidder. The numbers of such rejected equipment shall be struck off from the Delivery Receipt/Acceptance Receipt and from the Invoice claimed by the bidder.
- The equipment to be commissioned for a specific school shall be decided by EdCIL and End client. Until the equipment is handed over to respective school authorities/end client location, selected bidder will be solely responsible for the security of all the equipment.
- The selected bidder shall carry out for delivery of all the Lab's to the school level/end client location/location provided by EdCIL and its subsequent installation in the classrooms.
- The bidder shall ensure that the equipment supplied shall not be declared as End of Support / End of Service for a period of 1 year and the software upgradation, if any, shall be made available for at least three years (in case of products the same is not applicable) from the date of commissioning of the devices.
- The bidder shall provide preventive maintenance services on quarterly/half-yearly basis or as and when required to ensure that all the equipment's are functioning properly till the completion of the project.

5.4 Training & Handholding, key Training requirements are listed below;

- The selected bidder will be required provide training to end users for ensuring effective usage of the items being delivered and commissioned. Any related Training materials must be provided to beneficiaries. The deployed trainers should be fluent in speaking Hindi, English.
- Training of teachers and capacity building will be started within 2 weeks after the delivery of the hardware & its installation. Penalty in case of delay shall be decided by the competent authority at that point of time.
- Ensure to 3 days physically training of teachers with minimum three teachers per school in a batch of 40 teachers at a centralized location or at respective school. The bidder shall provide the attendance report after completion of training.

5.5 Final Acceptance Sign off from End Client

Against the Delivery cum Installation and Commissioning of the equipments in each school, the selected Bidder shall get a Delivery cum Installation and Commissioning Sign-off receipt from the school. In all likelihood, the Installation and Commissioning Sign-off receipt for a school shall be provided to the selected Bidder on the same day of successful commissioning of the equipment for that school. The damaged/defective equipment, if any shall be taken back by the selected Bidder.

5.6 Site Preparation

- The supplier should inform to the Consignee about the site preparation, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the End Client should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.
- The supplier should visit the End clients Location and see the site where the equipment is to be installed and should offer his advice and render assistance to the in the preparation of the site and other pre installation requirements.

5.7 Warranty and Support Services

- The Selected Bidder is required to provide a standard onsite warranty support for a period of ONE (01) Year Warranty and followed and one (01) Year Comprehensive Annual Maintenance Support (CAMS) after completion of initial ONE Year Warranty Support Period, excluding consumables. The warranty would ensure that the goods/ articles would continue to conform to the standards and specifications as prescribed in the RFP for the entire duration of the Contract.
- All infrastructure procured by the selected bidder for this Project must adhere to the minimum requirements.
- The period of warranty for all equipment shall commence after project commissioning sign-off date from the end client.
- Selected bidder shall be required to set up a centralized Helpdesk support at client's location for issues and complaints from various stakeholders and resolving them in time bound manner.

- The selected bidder shall deploy dedicated manpower including helpdesk/Tech support, field engineers & coordinator / operators who would provide online support to stakeholders & department management support after establishment & handholding of lab.
- All infrastructure procured by the Selected Bidder for this Project is ready and functional before commencing any kind of services.

5.8 Liquidated Damages

I. Delay in delivery: In case of non/partial supply of the equipment within the stipulated period, penalty @ 1% of the total contract value for every week of delay on the defaulted amount shall be applicable, 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 LD amount.

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

5.9 Technology Advancement

I. No conditional bid shall be accepted and the price format (to be provided by EdCIL) should be strictly adhered to.

II. 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.

5.10 Indemnity

I. 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:

a) 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

b) 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.

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

5.11 Documentations to be produced by the successful bidder during project

I. Original Delivery cum Installation and Commissioning certificate issued by the client

with sign and stamp or acknowledgement of delivery.

II. Warranty Certificate in original of all the items supplied to client.

III. Bidder is required to provide the school/studio wise colored photographs and videos of 1-minute duration (in soft copy) of every school when the product is installed within 30 days from the date of commissioning of the project. The video must capture the functionality of the device(s) in presence of any official/teacher.

IV. Authorization letter in favor of System Integrator from the OEM in case of service is provided by the System Integrator/Distributor

5.12 SLA and Project Penalties

Sl. No.	Measurement	Target	Penalty
1.	Pre-Delivery Inspection	Within 15 days of issuance of LOI/LOA	Penalty of 1% for first week, 2% per week for every subsequent week subject to a maximum of 10% of the relevant Milestone payment.
2.	Delivery of equipment at school level	Within 45 days of issuance of LOI/LOA	
3.	Commissioning of equipment at school level	Within 45 days of issuance of LOI/LOA	
4.	Deployment of local Project Co-Ordinator	Within 15 days of issuance of LoI/LoA	₹10,000/- per week shall be applicable

*days= working days

SLA for Service Support

Sl. No.	Incident	Resolution Time {C: Date of reporting of complaint}	Penalty
1.	Resolution to the Complaint raised by the school (Repair/ Replacement of faulty part/ component of any item)	Within 3 (three) working days of reporting of complaint. C+3= T0	No penalty
		T0+2=T1	0.5% of the value of the hardware for every unresolved incident.
		T1+5=T2	1% of the value of the hardware for every unresolved incident.
		>T2	Penalty of 10% of the value of the hardware for every unresolved

			incident on monthly basis.

Note:

a) If the total number of incidents reported in any month exceeds the 20% of number of units supplied then an additional penalty of 10% of the cost of the affected hardware shall be imposed. Further, while signing of Contract Agreement SLA may be redefined as per the project requirement.
b) The selected Bidder shall submit the monthly complaint & resolution reports as requested by the EdCIL as defined in the reporting requirements of scope of work.
c) In case any complaint cannot be resolved onsite then a backup unit has to be provided until the original unit is fixed and reinstalled.
d) There has to be 24*7 toll free number for all complaint and support requests by OEM/bidder in minimum two languages (a. English b. Hindi).
e) Any mishappening with students or teachers due to faulty performance (Example: Overheating, explosion etc. of electronics products) of products will be penalized on back-to-back basis.
f) Applicable GST shall be charged extra over the penalty amount.

CHAPTER-VI
Bid Evaluation and Eligibility

6.1 Bid Opening

i. 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.

ii. 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.

iii. 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

iv. 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
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. Nonconforming bids will be rejected and will not be eligible for any further processing. The pre-qualification criteria is 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

i. The evaluation of the bidders will be carried out by the Committee as per the Technical Evaluation criteria defined in the RFP document. Only the bidders who qualify in the technical evaluation round shall be eligible for the 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 70 marks in the technical evaluation shall be declared as technically qualified bidder and those shall be notified for opening of their financial bid.

Ts = 100 x T/Th
Ts = Technical Score,
T = Technical score obtained by the bidder
Th = Highest Technical Score among all the bidders for a solution

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. Financial bids would be opened only for those Bidders, who secure the qualifying marks in the Technical Evaluation as explained above.
iii. The bidder should quote for all components of the solution(s) in accordance to the pre-qualification and technical qualification criteria.
iv. Financial Evaluation shall be done on the basis of total price of each solution separately.
v. Price quoted by the bidder is including all transportation and installation etc. cost (if any).
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 the 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.
xi. Final Proposal shall be given financial scoring as below, the financial scoring for each solution shall be calculated separately:
xii. The bidder who has quoted the lowest price will be assigned a score of 100 in the financial bid. The other bidders will be allotted score relative to the score of bidders with the lowest quote as below:

Fs = 100 * Fl /F
Fs =The financial score of the Financial Proposal being evaluated.
Fl = The Lowest Financial Price among all the bidders.
F = The quoted price of Financial Proposal under consideration.

QCBS Evaluation

i. QCBS Evaluation of bid will be done for deciding of L1 bidder.
ii. The score of technical proposal including presentation would be given 70% weightage, and the financial proposal would be given 30% weightage. The Normalized weighted combined score of the Technical bid including presentation (Ts), and Financial proposals (Fs) shall be used to rank the bidders on the basis of formula given as below:
iii. Combined Score = 70 % * Ts+ 30 % * Fs
iv. Bidder with highest Combined Score shall be declared selected Bidder. In the event that two or more Bidders/organizations with same final score for any solution, the Bidder with more marks in technical evaluation shall be selected.
v. A contract will be signed with successful bidder which will be based on the rates

identified in the financial bid (subject to downward revision by the successful bidder from time to time).

vi. Failure to abide the RFP conditions may result into forfeiture of EMD.

6.3 Pre-Qualification Criteria

Required documents must be provided in support of the following otherwise bids will be summarily rejected.

Pre-Qualification Criteria

S. No.	Basic Requirement	Description of the Criteria	Documents to be Submitted
1.	Legal Entity	The Bidder should be registered under Companies Act, 1956 and 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. Consortium of companies/ firms is not allowed. **For MSME/NSIC registered bidder:** The bidder should be a company registered in India under Companies Act 1956 or 2013 or Proprietorship /Partnership Firm with their registered office in India in operation for at least five years preceding the bid due date.	• Valid copy of certificate of incorporation and registration certificates. • Copy of GST registration. Copies of relevant certificates of registration income tax • Copy of Permanent Account Number (PAN)
2.	Operational Presence in India	BIDDER should be in operation in India for the last seven years preceding bid due date.	• Incorporation certificate to be submitted
3.	Turnover (In India)	The BIDDER should have an average annual turnover of at least 75 Crores during the last three financial years 2021-22, 2022-23 and 2023-24	• Certificate from the Statutory Auditor or Chartered Accountant on Turn Over and Positive Net worth Audited Balance Sheets and Profit & Loss statement

4.	Positive Net Worth	Bidder should have positive net worth and profit making in each of the last three financial years 2021-22, 2022-23 and 2023-24.	• Audited Profit and Loss Statement and Balance sheets for FY 2020-21,2021-22 & 2022-23 • Auditor Certificate clearly specifying the turnover along with Profit and Net-worth during the FY 2020-21,2021-22 & 2022-23.
5.	Manpower Capacity	The BIDDER should have a minimum strength of 100 employees on role in India preceding bid due date	• A valid Certificate issued on the BIDDER's letter head and signed by Company's HR / Company Secretary/ Authorized Signatory of the BIDDER
6.	Insolvency / Bankruptcy	1. 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
7.	Blacklisting	The BIDDER should not have been blacklisted by the Central Government, State Governments, PSU or any Government Corporations in India, preceding bid due date	• Self-Declaration notarized on non-judicial Rs. 100 Stamp paper for not being blacklisted (Refer to Annexure II)
8.	Project experience	The Bidder should have experience of deployment of science lab/Maths Lab/ STEM Lab/ Robotics Lab/computer Lab in minimum 400 Schools single project in last five financial	Copy of work order/MOU and Completion certificate from Client • The work order has to be issued from

		years. The Bidder should experience of Deployment of Educational kits including science kit/ Maths kit/ FLN Kits/Teaching learning Kits in minimum 10000 Schools in single project in last five financial years	centre/state Government/ PSU/ Govt Educational Institutes.

Note:

- EdCIL reserves the right to verify the work order submitted by prospective bidder from issuing department.
- MSME Bidder should submit valid registration certificate from NSIC/MSME.
- Documents must be provided in support of the following otherwise bids will be summarily rejected.
- 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.
- Notwithstanding anything stated above, EdCIL reserves right to assess the bidder's capability and capacity to perform the contract, should circumstances warrant such an assessment in the overall interest of the EdCIL.

OEM Eligibility Criteria

OEM for Science Centre		
1.	The OEM should be a Company/Firm registered/ Incorporated in India and shall have been in operation for at least three (03) years as on last date of bid submission.	Certificates of Registration Proofs will be provided by OEM issued by competent hority.
2.	OEM should have average annual turnover of INR 20.00 Crores during last three financial Years i.e., FY 2021-22, FY 2022-23 & FY 2023-24.	The copies of Audited Annual Accounts/ Statutory CA Certificate with UDIN number for last three years shall be uploaded along with the bid. For the FY 2023-24, bidders may provide the provisional balance sheet.
3.	OEM (Providing material from Sr. No 162, 163 & 205-218) Must have valid BIS Certificate under category of Safety of Electric toys (For DIY kits and wherever its applicable) IS 15644:2006, category C, Subcategory– 65,81	Copies of Certificates will be submitted

4. Technical Evaluation

S. No.	Criteria	Marks Allocation	Max. Marks	Supporting document required
1.	Bidder's No. of Years in operation in India for the last five years preceding bid due date.	5 Years: 10 Marks 10 Years: 15 Marks 15 Years: 20 Marks	20	Incorporation certificate to be submitted
2.	Average annual turnover of bidder during the last three financial years 2021-22, 2022-23 and 2023-24	75 Crores and < 100 Crores: 10 marks 100 Crores and <250 Crores: 15 marks 250 Crores and above : 20 marks	20	CA Certificate and audited balance sheets for last four years
3.	Number of single work order of deployment of minimum 400 ATL/ Robotics/STEM/Computer Lab Labs in Govt. Schools during last 5 year preceding to bid due date.	• 1 to 3 project – 10 marks • 4 or more project – 20 marks	20	Copy of work order/ MoU/ completion certificate from Client. The work order has to be issued from Centre/state Government/ PSU/ Govt Educational Institutes.
4.	Bidder's Experience in Deployment of Learning kit/ Science kit/ Maths Kits/ FLN Kits in 10000 Schools in last Five financial years in a single project.	Bidders with maximum number of schools shall be awarded 15 marks and others will be awarded marks proportionately. Ex bidder with maximum work of 20000 schools and more shall be awarded 20 marks and bidder with 10000 schools shall be awarded marks as = 20*10000/20000=10 marks	20	Copy of work order/MOU/ Completion certificate from Client The work order has to be issued from Centre/state Government/ PSU/Govt Educational Institutes.

5	Quality Certification	• ISO 9001 Certificate – 2 Marks • ISO 27001 Certificate – 3 Marks • ISO 20000-1 Certificate – 5 marks • CMMi level 3 certificate – 10 marks	20	Copy of Certificate to be submitted along with bid

The Technical Evaluation will be conducted based on the relevant support documents submitted by the Bidders.

The bidder who scores minimum 70 marks in the technical evaluation shall be declared as technically qualified bidder and those shall be notified for opening of their financial bid.

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. Work Order

i. Based on the client requirement the work order will be issued to successful bidder on the quoted price.
ii. The successful bidder is required to submit a sample within 10 days from work order issuance date of proposed items for approval before deployment at school level.
iii. Failure to provide services as per requirement by bidder may result into forfeiture of EMD, PBG & termination of the contract.
iv. 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.
v. Contract termination shall automatically lead to termination or expiry of all work orders which were issued based on the contract.
vi. 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.

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 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.

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
Timeline & Terms of Payment

7.1 Timeline

The successful bidder has to complete the task within the timeframe as stipulated in Table-7.1, unless terminated earlier in accordance with the provision of the signed agreement.

Table- 7.1

Sl. No	Milestone	Timeline (In Week) *
1.	Acceptance of LOI/LOA	T+1
2.	Submission of Bank Guarantee	T+2
3.	Execution of Contract Agreement	T+2
4.	Delivery and commissioning of components as per scope of work	T+8

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

7.2 Terms of Payment

The payment shall be made on quarterly basis at the end of each quarter on receipt of related funds from the client and on submission of following documents.

For Delivery, Installation and Commissioning

S. No	Milestone	Payment
1.	Payment shall be released on successful delivery of all equipment at School Level and all Original Delivery certificate duly signed and stamped by the designated Principal / Head-Master / Head-Mistress / Teacher / In-charge of School. The following documents should be submitted to EdCIL for the payment: • Delivery report signed and stamped by the designated Principal / Head-Master / Head-Mistress / Teacher / In-charge of School. • The e-way bill for the delivery of the equipment.	40% of total work order value
2.	Payment shall be released after successful Installation and Commissioning of all the Equipment at School level.	30% of total work order value

	The following documents should be submitted to EdCIL for the payment: • All Original ICR (installation and commissioning report) duly signed and stamped by the Principal / Head-Master / Head-Mistress / Teacher / In-charge of School. • Supplier / manufacturer's Warranty certificates of all the items.	
3.	Training of Teachers • Within 2 weeks from the installation of equipments. • Proof of training (Photos, videos, attendance sheets of teachers trained) duly signed by the HoIs/Principals.	10% of total work order value
4.	Inspection and physical verification. • Within two weeks from completion of labs and handholding of teachers	10% of total work order value

For Warranty/AMC

S. No	Milestone	Payment
1.	Payment shall be released at the end of warranty period of one (1) year. The bidder should submit the following documents to EdCIL for the payment: • Submission of warranty / AMC reports.	5% of total work order value
2.	Payment shall be released at the end of AMC period of two (2) years. The bidder should submit the following documents to EdCIL for the payment: • Submission of warranty / AMC reports.	5% of total work order value

Note:

i. The 2-year warranty/AMC period should start from the date of completion of commissioning of project.

ii. The prices indicated in the work order shall be firm and final during the currency of the contract. Any Escalation on any account shall not be acceptable. Any legal/financial liabilities attributable to any act of bidder would have to be borne by bidder.

Chapter-VIII

General 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. 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

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

III. 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.

IV. 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

Neither parties shall 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 both parties and not involving the either parties 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 effected party should promptly notify the other party in writing of such conditions and the cause thereof. Unless otherwise directed by the other party in writing, the effected party 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.

8.12 Limitation of Liability

I. 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.

II. Except in the case of Gross Negligence or Wilful Misconduct on the part of the Bidder/Bidder's Team or on the part of any person or firm acting on behalf of the Bidder executing the work or in carrying out the Services, the Bidder, with respect to damage caused by the Bidder including to property and/or assets of the Purchaser or of any of Purchaser's vendors shall regardless of anything contained herein, not be liable for any direct loss or damage that exceeds (A) the Contract Value or (B) the proceeds the Bidder may be entitled to receive from any insurance maintained by the Bidder to cover such a liability, whichever of (A) or (B) is higher.

a. For the purposes of the Clause (II) of this section, "Gross Negligence" means any act or failure to act by a Party which was in reckless disregard of or gross indifference to the obligations of the Party under the Contract and which causes harmful consequences to life, personal safety or real property of the other Party which such Party knew, or would have known if it was acting as a reasonable person, would result from such act or failure to act. Notwithstanding the foregoing, Gross Negligence shall not include any action taken in good faith for the safeguard of life or property.

b. "Wilful Misconduct" means an intentional disregard of any provision of this Contract which a Party knew or should have known if it was acting as a reasonable person, would result in harmful consequences to life, personal safety

or real property of the other Party but shall not include any error of judgment or mistake made in good faith.

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-III).

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.

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 providing Science Centre, Jadui Pitara/Khoji Box, Science Kits and Maths Kits in Government Schools of Jammu and Kashmir**

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

Self-Declaration – Non-Blacklisting

This is to confirm that we M/s _____ (give full address) have not been 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 Contract and forfeit the Performance Guarantee. All the direct and indirect cost related to the cancellation of the order will be borne by us besides any legal action by EdCIL which shall be deemed fit at that point of time.

Authorized Signatory

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

Annexure-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

Annual Average Turn Over

Name of Firm:

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

Note:

- Certificate from Statutory Auditor certifying Balance sheet and P&L statement only for all three years to be attached with signature and seal of chartered accountant.

- Values entered in words will be treated as final.

Signature with Seal of the Chartered Accountant

Signature with Seal of the Bidder

Annexure-V

List of Orders Executed

List of Organizations for whom the Bidder has undertaken such work during last Five years (must be supported with work orders)			
Name of the organization	**Year of Award**	**Total No. of deployment of Learning kit/ Science kit/ Maths Kits/ FLN Kits Schools in last Five financial years in a single project.**	**Name of Contact Person and other details**

Signature of Bidder

Name: _____
Designation: _____
Organization Name: _____
Contact No. : _____

ANNEXURE-VI

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 and on 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 /responses to 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 the entering 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 in exercise 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 hereby conferred 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 be under seal affixed in accordance with the required procedure.

2. Wherever required, the applicant should be submitted for verification the extract of the charter documents and other documents such as a resolution/Power of Attorney 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 also have 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-VII

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.

Name Bidding Company/Vendor/ Manufacturer/ Agent	
Address	
Incorporation status of the firm (public limited / private limited,	
Date of registration	
Phone	
Contact Person Name	
E-mail ID	
Mobile Number	
GST Number	
PAN Number	
DD Bank Name and No. (For EMD)	
Kindly provide bank details of the bidder in the following format:	
a) Account Number	
b) IFSC Code	
c) Kindly attach scanned copy of cancelled Cheque book page to enable us to return the EMD to unsuccessful bidder	

(Signature of the Tenderer)

Name: _____

Seal of the Company

ANNEXURE-VIII

Bank Guarantee towards Bid Security (EMD)

Bank Guarantee No._____

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

Whereas ..... (here in after called "the Bidder") has submitted its Bid dated .....(Date) in response to the RFP No:..... for ……. (Name of the Work) (here in after called "the Bid")

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 successors and 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 Signature of Banks Authorized official)
Witness (Name)_____
1. Designation with Code No. ---------
2. Full Address----------

Annexure-IX

Performance Bank Guarantee 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 (Date of Completion plus 90 Days). 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
Witness (Name)_____
Designation with Code No. ---------
1 Full Address----------
2.

ANNEXURE-X

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 …. 2024, 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 ……... 2025.

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. <u>Commitments of Bidders</u>

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 ….. 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-XI

Contract Form

THIS AGREEMENT made the ..... day of ..... 2025 between ..... EdCIL (Hereinafter called "the Purchaser") of the one part and ..... (Name & address of Successful bidder) ..... (Hereinafter called "the Successful bidder") of the other part: "EdCIL" and "the Successful bidder" collectively referred to as "Parties" and individually as "Party".

PREAMBLE

1. WHEREAS EdCIL is a Central Public Sector Enterprise (CPSE) under the Ministry of Education (MOE), Government of India, offering consultancy and Project Management services in all areas of education and human resource development within India and Overseas as well, with expertise holding special relevance for the education sector in the developing world and its strength in tailoring solutions to match exacting ground realities, which speaks volumes of the organization's commitment to educational values. EdCIL seeks to meet social, economic, and cultural challenges through consulting services, technical assistance and strengthening the overall growth and development nationally and even beyond national boundaries with special focus on developing countries.
2. AND WHEREAS vide Tender Ref. No. **……** (hereinafter collectively "the Tender") EdCIL invited bids from eligible agencies for …….. (name of the work).

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 Financial Bid submitted by the Bidder;
   [b] The Scope of work defined ;
   [c] The Terms & Conditions of the tender document
   [d] The EdCIL's Notification of Letter of Award/ Work Order

3. In consideration of the payments to be made by the EdCIL to the Successful bidder as hereinafter mentioned, the Successful bidder hereby covenants with the EdCIL to provide the goods and services and to remedy defects herein in conformity in all respects with the provisions of the Contract.

4. The EdCIL hereby covenants to pay the Successful bidder 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.

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 above written.

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

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

in the presence of .....

Annexure-XII

Performa For Declaration on Proceedings Under Insolvency and Bankruptcy Code, 2016

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-XIII

Pre-Bid Query Format

Pre-bid queries should be submitted in .XLS format.

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

Annexure-XIV

Bill of Material and Technical Specifications

1. Science Kit

Sl. No.	Deliverables	Technical Specification	Qty
1.	Kit manual	Kit manual is supplied with the kit.	1
2.	Kit box with carton of 6 ply	Main Body of 26 SWG and partitions of tin sheet. Doors will be fitted 15 mm above the ground level with main body. Right hand door and left hand door should have two racks. The rack partition should have guides (-). The doors should have suitable piano hinges at duly spot welded/riveted etc. with main body. Provision for locking system (-) & two folding type handles 6 mm dia. for carrying box. Provision for supporting rest for hanging doors to be made -. Overall box size 470 mm x 450 mm x 280mm	1
3.	Panel for Connections	MDF Wooden box / plastic ABS 170 mm x 140 mm, Taper 50 mm back and 25 mm front side, painted white, markings in black. DC Voltmeter : 0 - 20 V with resolutions of 0.4 V. 0 – 1 Amp. with resolutions of 20 mA. Rectifier : Four diode rectifier bridge circuit (Full wave rectification of AC). Panel connections : For input / output etc.	1
4.	Light Emitting Diode (LED)	Standard white LED in plastic packet.	5
5.	Laboratory Thermometer	Standard white LED in plastic packet.	1
6.	Clinical Thermometer	Glass, alcohol filled, -10 to 110 , graduation 1 with card board/plastic cover and cotton/sponge at both ends	1
7.	Spherical Plano Concave Lens and Double Convex Lens	Oral Clinical thermometer along with packing, graduation 95 - 108 and 35 - 43 . ISI mark.	1
8.	Perspex Plano Convex Cylindrical Lens	Three Perspex bar pieces: Plano Concave Lens, Double Convex Lens and Plano Concave Lens. Each made from Perspex sheet of size 50 mm x 20 mm x 12 mm/15mm	1
9.	Square Glass Slab	Dia = 28 mm, half of the diameter x 14 mm height.	1
10.	Triangular Glass Prism	Square glass slab, size 50 mm x 50 mm x 12 mm thick.	1
11.	Generator Assembly	Good quality Glass Prism 25 mm equilateral triangle.	1
12.	Boiling Tube	Assembled in Perspex transparent sheet, stable body, overall height 130 mm, thick rectangular base 170 mm x 120 mm attached with two coils, output 15 V and 500 mA. Brass/Gun metal Bush on both ends in the centre, shaft and upper gear shaft	1
13.	Y-Tube	Borosilicate Glass, 90 mm height x 20 mm dia with cork.	2

Sl. No.	Deliverables	Technical Specification	Qty
14.	Cover slips	Borosilicate Glass tube, diameter 12 mm. Overall length 105 mm fitted with cork (To fit into item No.15 bell jar inner side).	1
15.	Bell Jar	Thickness 0.2-0.3 mm approx. 18mm square glass pieces.	20
16.	Double mouthed flask	Borosilicate 3.5 mm thick glass, neck inside dia. 18/19 mm × 20/22 mm height. Overall length 85/95 mm × inside dia. 55 mm with rim diameter 62/64 mm. To fit item No.13 from inner side , item no.28 from upper side and item no.73 from upper side mouth.	1
17.	Glass Tube	Borosilicate. Thickness 1.5 mm with one mouth dia. 26 mm x 25 mm height (with rim) and other dia. 06 mm x 28 mm length. Bulb outer dia. 48 mm with overall length 110 mm. Item no.63 fit s into upper mouth.	1
18.	Glazed Glass Plate	Length 155 mm x outer dia. 06 mm, Soda glass, finished ends.	1
19.	Double Concave Lens	Glass plate size 100 mm x 100 mm x 2.5 mm/3mm.	1
20.	Double Convex lens	Glass, Focal length 20 cm and dia. 50 mm.	1
21.	Concave Mirror	Glass, Focal length 20 cm and dia. 50 mm.	1
22.	Convex Mirror	Glass, Focal Length 20 cm, dia. 50 mm	1
23.	Graduated Syringe	Glass, Focal Length 20 cm, dia.50 mm.	1
24.	Half Protractor	Standard, plastic, capacity 10ml.	1
25.	Ping pong ball	Transparent, plastic, standard, 0 - 180º.	1
26.	Thermocol Ball	dia 40 mm	1
27.	Transparent rubber plastic tube	Dia 8 mm x length 1 meter	1
28.	Electroscope Assembly	(i) Aluminium disc of dia. 52 mm and thickness 24 SWG (ii) aluminium rod dia. 03 mm and length 50 mm. fitted in center of disc (iii) rubber cork axial length 25mm. and dia. of smaller face 17 mm inserted in the aluminium rod with bigger face touching the disc. iv) Aluminium rod has a right angle bend of length 08 mm from the outer end.	1
29.	Plastic sheet HDPE	Size 100 mm x100 mm x 3 mm.White milky.	1
30.	Plain mirror strips	Good quality, 150 mm x30 mm x2mm.	3
31.	Magnifying glass	Optical glass, focal length 120 mm, with plastic handle with case.	2
32.	Glass slides	Standard plain glass slide..	10

Sl. No.	Deliverables	Technical Specification	Qty
33.	Permanent Glass slides	Hydra showing budding. Packed in plastic case. S***lide should be of good quality***	1
34.	Permanent Glass slide	Amobea showing Binary Fission. Packed in plastic case. ***Slide should be of good quality.***	1
35.	Permanent Glass slide	Paramecium Packed in plastic case. S***lide should be of good quality***	1
36.	„G" Clamp	50 mm jaws, maximum opening 40 mm, with two locking screws and holes. HDPE material.	2
37.	Glass Rod	Length 150mm, dia. 06/07 mm.	2
38.	Fuses & Model showing heating effect of current	Resistance wire enclosed in transparent plastic container of dia. 25 mm and height 50 mm and eureka wire 40 SWG.	1
39.	Ray Streak Box	U shape mild sheet of 24 SWG. Size of the front face: 80 to 100 mm x 70 mm with M shape window of size of 30 mm x 30 mm starting from centre bottom side of front face. Size of two side faces: 40 mm x 70 mm. butt welded to the front face. Size of the M shape window cover: 30 mm x 40 mm. Front face, projected to the height of 15 mm having 3 slits of 0.75 mm thickness starting from bottom. Height of slits 30 mm, second slits at the centre. Distance between the slits 5 mm. Screw type bulb holder spot welded from inside of front face at the centre of the window. Having one bulb of 3.2 V, bulb to be projected in the windows of front face. Complete apparatus painted in black colour.	1
40.	9 Volt Battery		2
41.	Rubber bands		30
42.	Rubber suckers	50mm diameter.	2
43.	Rubber Cork	Nos. 2,3,4,5 and 6.	2
44.	Thin rubber sheet	100 x 100 x 2 mm	1
45.	Magnetic Compass	Metal case, polystyrene transparent top, magnetized needle with north marked red and south marked blue, 50 mm size.	1
46.	U shape Magnet	Arm length 50 mm, N and S poles to be marked.Alnico	1

Sl. No.	Deliverables	Technical Specification	Qty
47.	Cylindrical Magnet	Dia. 16 mm and length 25 mm. Ferrite	1
48.	Ring Magnet	O.D. 18 mm and thickness 3 mm. Ferrite	1
49.	Disc Magnet	Dia. 35 mm and 8 mm thick. Ferrite	1
50.	Spirit Lamp	Steel body along with brass wick holder dia 65mm, height 50mm	1
51.	Colour Disk	Thick ivory white card sheet of diameter 100 mm, with seven colours sectors and pasted on generator assembly wheel. (1st Sector) - 70º - Lemon Yellow No. 121 (2nd Sector) - 65º - Light Green No. 165 (3rd sector) - 45° - Turquoise Blue No. 163 (4th Sector) - 40º - Prussian Blue No. 149 (5th Sector) - 45º - Mauve No. 161 (6th Sector) - 50º - Orange No. 143 (7th Sector) - 45º - Poster Red No. 116 Total : 360º ,	1
52.	Aluminium Ruler cum Lever	Anodized Aluminium Ruler 29 mm x 300 mm x 1.5 mm. Marking in inch, cm and mm (smallest division 1/10" and 01 mm respectively). Graduation printed in black. With holes (diameter 2.5 mm) at 3 cm intervals.	1
53.	Plug Key	One way plug key (Brass), base 80 mm x 55 mm.	1
54.	Copper Wire	100 cm long, thickness 24 SWG.	1
55.	Copper Strip	80mm x 5 mm x 1mm	1
56.	Zinc Strip	80mm x 5 mm x 1mm	1
57.	Magnesium Ribbon Roll	Fine Quality role. 25g.	1
58.	Test tube holder	Length 200 mm to hold the test tubes upto 10 mm dia and one for 20 mm dia boiling tube.	1
59.	Rods with holder for conduction of heat	Total length of holder 215 mm/220 mm with plastic/wooden handle at one end and brass pipe I.D. 6.3mm x 50mm at another end forming T shape. M.S rod & aluminum rod shall be 200mm length. And Dia. 6mm grooved on rod ten equal segments.	1
60.	Tuning Fork	Mild Steel Chapter 06 mm x 3.4 mm, prongs 110 mm long, frequency 256 Hz.	1
61.	Slinky	Steel Wire Spiral roll, outer dia. 52 mm and close size 68mm to 70mm.	1

Sl. No.	Deliverables	Technical Specification	Qty
62.	Deflagrating Spoon	Dia. 12 mm, MS Sheet Katory welded with 02 mm dia. MS wire. Overall height 165 mm, along with cork (to fit into item no. 16) of smallerdia 24mm, biggerdia28.5mm and length 26.5mm	1
63.	Periscope (Frame with mirror)	Hollow PVC pipe dia 64mm and ID 60mm length 250mm and cut at opposite ends. Taper shape upto 65mm and both end closed with plastic piece upto cut position and both end to fit 50mm plane mirrors with rotatable frame.	1
64.	Scalpel	Overall length 140 mm/150 mm cutlery steel, blade tempered (standard).	1
65.	Tongs pair	Dia 05 mm, overall length 160 mm, chrome plated.	1
66.	Surgical Scissor	125 mm, one prong blunt and other pointed, standard.	1
67.	Claw hammer with handle	Forged, approximate weight 225 gm with wooden handle.	1
68.	Steel Ball	Steel Ball with a hook, dia. 19/20 mm.	1
69.	Steel Wire (Sitar String)	Steel, length 100 cm, thickness 24 SWG.	1
70.	Banana plug connecting wire	Standard with two way connection.Two red and two black wires.	2
71.	Crocodile Clips	Clips 38 mm, Plated, standard flexible wire 50 cm long. Each set two wire.	5
72.	Stainless steel electrode with cork	Rubber cork of axial length 25.5 mm, smaller face dia 17mm, bigger face dia 25 mm, fitted with two stainless steel electrodes of length 70 mm and thickness 02 mm. Both electrodes have 90 degree bent of length 10mm. (To fit into item No. 15 bell jar).	01 sets
73.	Knife	100 mm x 1.5 mm, hardened steel, with wooden/plastic handle.	01 No.
74.	Screw driver	100 mm long, hardened, with plastic handle dia. 20/25 mm.	01 No.
75.	Bottle opener with cork screw	Standard, overall length 140 mm, with cork.	01 No.
76.	Shaving Blade	Standard packet of five blades.	01 packet
77.	Dissecting Needle	Standard, length 110 mm, with plastic handle.	02 Nos.
78.	Iron filings	Packed in 15 dia vial.	20 g
79.	Iron Nails	Length 38 mm, 15 SWG	10 Nos.
80.	Iron Nails	Length 25 mm, 15 SWG	10 Nos.
81.	Emery paper	Standard, 100 number.	1 sheet
82.	Sand paper	Standard, 60 and 120 number.	1 sheet each
83.	Candle	Size 200X15 mm.	02 No.
84.	Filter Paper	Ordinary. Circular of dia. 100 mm	10 Nos.

Sl. No.	Deliverables	Technical Specification	Qty
85.	Plastic Strip	Plastic strip 200 mm x 25 mm x 3mm and one side pasted woolen cloth 100 x 25mm.	01 No.
86.	Silk cloth	Size 200 mm x 200mm.	01 No.
87.	Woolen Cloth	Size 200 mm x 200mm, dark colour.	01 No.
88.	Thermocol sheet	Size 100 mm x 100mm x 25 mm.	01 No.
89.	1 c.c. spoon	Specification : HDPE, white, 1cm cubic and overall length 100 mm.	02 Nos.
90.	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.	01 No.
91.	Decimeter cube vessel	Transparent polystyrene. Inside dimension 100 mm x 100 mm x 100 mm top open, 9 lines at 1 cm distance on one side 100 equal 1 cm squares on the other.	01 No.
92.	Laboratory Stand 1) Boss head 2) Clamp	MS rod dia. 10 mm x 375 mm long, MS base, CI Boss head and aluminium clamp.	01 each
93.	Sun dial	Plastic base dia. 100 mm-110 mm x 3 mm with graduation and base should be milky white colour.	01 set
94.	Pulley with frame & Rod	Plastic pulley dia. 50 mm attached with frame 75 mm x 17 mm of MS 24 SWG and L type rod of dia. 6mm, overall length 115mm bent at 15 mm at 90 degree.	02 Nos.
95.	Aluminium wire and pointer	· Aluminium wire 3 mm dia x 45 cm length · Pointer with wire of dia. 0.5 mm and length 60mm fitted in the centre of pointer.	01 set
96.	Bimetallic strip	Frame – MS Rod, 6 mm dia. with MS and brass strips joined,	01 No.
97.	Set of four resistors 5 ohm, 10 ohm (2 Nos.) 20 ohm	15 mm x 15 mm x 125 mm with nichrome wire. Resistor, embedded in plastic case.	01 set
98.	Circuit Board	Complete base of plastic, battery holder, bulb holder with switch, banana sockets and lower side all joined with Patti and copper wire. Two bulbs extra	01 set
99.	Measuring cylinder	Plastic, transparent with built in base, 100mL ,graduation (least count 1 mL).	03 No.
100.	Plastic Boxes	1. 220 mm x125 mm x85 mm. 2. 172/175 mm x130 mm x70mm	1 each
101.	Litmus paper	Red and Blue colour	5 booklets each
102.	Plastic Funnel	Plastic, transparent top dia, 50 mm	03 No.
103.	Micro Test Tube 4 mL	Borosilicate glass, dia. 10 mm x 45 mm height with rim.	10 Nos.

Sl. No.	Deliverables	Technical Specification	Qty
104.	W Tube	Borosilicate glass, 2 mm thick x 8 mm dia. having length of arm 70-75 mm with wide mouth in one arm.	05 Nos.
105.	China Dish	Outer diameter 70 mm/75 mm.	01 No.
106.	Micro Spatula	Stainless steel 100 mm length.	01 No.
107.	Forceps	Stainless steel 100 mm long pointed	02 Nos.
108.	Micro Test Tube brush	Soft hairs for 4mL test tube cleaning.	01 No.
109.	Tripod Stand	Height 100mm, cast iron ,top 7 cm x7 cm x7cm triangle, legs dia 4mm.	01 No.
110.	Pasteur Pipette (Dropper)	Low density poly ethylene (LDPE) capacity 3 ml with screw type and nozzle.	10 Nos.
111.	Dispensing Bottle	Low Density Poly Ethylene (LDPE) capacity 15 ml .	20 Nos.
112.	Plastic Vials .	High Density Poly Ethylene (HDPE), height 55 mm, dia 15 mm.	15 Nos.
113.	Micro Test Tube Stand	Acrylic Plastic molded, size 100 mm x 27 mm x 20 mm, 04 blind holes to hold Micro Test Tubes, depth of hole 15mm.	02 Nos.
114.	Rubber Balloons	5 small and 5 big	01 packet
115.	Cotton Thread	Reel in white colour.	01 No.
116.	Wash Bottle	LDPE, capacity 125 mL	01 No.
117.	Petri dish	Soda glass dish outer dia. 80mm x 15 mm depth.	01 No.
118.	Beaker (50mL)	Borosilicate glass, capacity 50 mL, height 56 mm, diameter 42 mm with rim.	03 No.
119.	Watch glass	Soda glass, diameter 50 mm.	01 No.
120.	Mirror/Lens stand	Wooden / Plastic mirror stand 120mm x 30mm x 75 mm. height with base.	01 No.
121.	Cotton Roll	Weight: 50 gm	01 No.
122.	Single holed cork	Standard, size no.7, holedia 6mm.	02 Nos.
123.	Plastic straw/glass tubes	130-150mm and dia.6mm.	05 Nos.
124.	Transparent zipper plastic bag	MediumSized,200mmx 200mm.	02 Nos.
125.	Thick Black paper	10cm x10cm	04 Nos.
126.	Muslin cloth	15cm x15cm	04 Nos.
127.	Iodine solution	Packed in LDPE dispensing bottle of 60 ml.	01 No.
128.	Alum crystals	Packed in plastic container-50 gm	01 No.

Sl. No.	Deliverables	Technical Specification	Qty
129.	Pressure table	It may include a piece of soft wood (10cm x 10cmx10/12mm) with four holes (about 0.1 cm dia.) near four corners. Provide four nails each of 8/10cm length. The head of nails should be broad.	01 set
130.	Wire Gauze	100mm x100mm with frame -.	02 Nos.
131.	Compound Microscope (optional)	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: 10X& 15X having coarse fine motion & fixed condenser.	01 No.
132.	Yeast Powder	Packed in Plastic Container,20g	01 No.
133.	Aluminium Paper	10cm × 15cm.	01 No.
134.	Split Cork no. 6		01 No.
135.	Conical Flask 100 ml.	Borosilicate glass 100mL - **Graduated**	01 No.

2. Maths Kit

Sl. No.	Deliverables	Technical Specification	Qty
1.	Kit manual	Kit manual along with kit	1 No.
2.	Kit box with carton	Plastic moulded box in Red colour.Overall size 340mmx340mm x height 110 mm with tolerance +/- 5mm and sheet thickness 5mm with two parts joined with two pines on side, all corners round shaped and top to bottom taper 10 degree approx. and handle for carrying with locking system. Inner side arrangement for partition with two pieces of tapered shaped plastic strips for partition and outer side etching. Whole box weight not less than one Kg.	01 No.
3.	Plastic Strip (Type I)	Transparent Perspex sheet or plastic moulded 262 x 20 x 2.7mm to 3mm, having 3 holes of dia 5 mm at a distance of 50 mm, 120 mm and 190 mm from one end. 4 slots of 25x5mm with both ends rounded to semi-circle. Location of slots: 1st slot : 0-25mm, 2nd slot : 70-95 mm 3rd slot: 140-165mm, 4th slot:210-235 mm Marking should be in black colour.	04 Nos.
4.	Plastic Strip (Type II)	Transparent plastic moulded or Perspex sheet 262 x 20 x 2.7mm to 3 mm, having 2 holes of dia 5 mm at a distance of 50 mm and 120 mm from one end. 3 slots x 5 mm width with both ends rounded to semi-circle. Location of slots: 1st slot : 0-25 mm 2nd slot : 70-95 mm ,3rd slot : 140-235 mm Marking should be in black colour.	02 Nos.

Sl. No.	Deliverables	Technical Specification	Qty
5.	Half Protractor	Transparent, plastic, withdia 96 mm, thickness 2 mm. Double angle marking 0-180^0 With center hole of dia 4mm. on base line.	04 Nos.
6.	Full Protractor	Transparent, plastic, with diameter 125 mm and approx. thickness 2 mm. Double angle marking 0-360^0 With center hole dia 4mm. on center point.	03 Nos.
7.	Fly nut and Screw	Mild steel, chromium platedoflength 15 mm, metric thread (M4), round head washer typewith fly nut.	12 Sets
8.	(a) Geo-board	ABS material, 210 x 210 x 15 mm. One face has grids of 10 mm square with a hole of 2 mm dia x 7 mm deep. Corners of each square except boundary corners of the squares i.e. total squares 289.Other side four rounds with 2.5mm diax6mm height dowel inbuilt dia. Having 70, 110, 150,190 mm each dia. 20 dowels inbuilt in each circle and one dowel inbuilt at centre point.	01 No.
9.	(b) Geo-board pins	2mm dia x length 15mm of aluminum pins with rounded head.	20 Nos.
10.	Rubber bands	Standard item - assorted size thin rubber bandsofgood quality	10 Nos.
11.	Paper nets for solid geometrical shapes a) Cube	350 GSM paper, UV / coated 60 x 60 x 60 mm cube	One each 01No.
12.	b) Cuboid c) Cone d) Cylinder e) Prism f) Pyramid (with triangular base) g) Pyramid with square base h) Hexagonal Base Prism	65 x 65 x 40 mm cuboid Cone with slant height of 120 mm and circular based diameter of 80 mm. Height: 130 mm and circular base diameter 60 mm. Height 100 mm, equilateral triangle of sides of 55 mm 4 equilateral triangles of sides 93 mm Square base sides of 70 mm, equilateral triangle of sides 70 mm. Hexagon side 40mm & hexagonal base prism height 120mm. All the shapes plastic coated on both sides.	01 No. 01 No. 01 No. 01 No. 01 No. 01 No. 01 No.
13.	a) Cut outs of Parallelogram	Parallelogram Plastic corrugated sheet 3 mm thick, blue colour. Length 120 mm, width 85 mm, one angle 75^0 Labeling with black colour.	01 No.
14.	b) Cut outs of Triangle and Trapezium (Parallelogram)	Triangle cut from a Parallelogram	01 No.

Sl. No.	Deliverables	Technical Specification	Qty
15.	c) Cut outs of Triangle and Trapezium (Rectangle)	Trapezium and triangle to form the rectangle Triangles in Parallelogram and rectangle to be of the same size.	01 No.
16.	d) Two congruent Trapeziums (Parallelogram)	Two congruent Trapeziums forming a parallelogram Each part to be separated.	01 No.
17.	e) Triangles A, B, and C from a Parallelogram	Parallelogram showing triangles in it. Triangles A and C fitting on triangle B	01 No.
18.	f) Two congruent Triangles	Two congruent Triangles	01 No.
19.	a) Four equal divisions of a circle	Four equal divisions of a circle all marked with A. Blue colour Plastic corrugated sheet of 3 mm thickness diameter 160 mm. Its thickness may be increased to 5mm. All pieces should be cut in the form of sectors.	01 No.
20.	b)Six equal divisions of a circle	Six equal divisions of a circle, all marked with B	01 No.
21.	c) Eight equal divisions of a circle	Eight equal divisions of a circle all marked with C.	01 No.
22.	d) Twelve equal divisions of a circle	Twelve equal divisions of a circle all marked with D.	01 No.
23.	e) Sixteen equal divisions of a circle	Sixteen equal divisions of a circle all marked with E.	01 No.
24.	f) Two equal parts of a circle	Two equal parts of a circle	01 No.
25.	g) Three equal divisions of a circle	Three equal divisions of a circle. **Note-**Thickness of each sheet be increased to 5 mm	01 No.
26.	Plastic Cubes	ABS plastic cubes with sides 20 mm accurate size, 5 mm to 8mm diaholes with depth of 5 mm on five faces. Sixth face will have a peg to push fit into the holes.	64 Nos.
27.	Counters	Plastic, dia 20mm (whose one side is blue and other side is red)	20 Nos.
28.	Counters of different colours	Plastic, 20 mm diameter x 2 mm thickness. Different 4 colours two of each colour. Red, Blue, Yellow and Green	2 each colour
29.	Abacus a) Abacus stand	Plastic base 120/150 x 28/30 x 15/18 mm with as per dowel dia push fitted in holes. 8 mm/10 mm deep 5 holes. Marking as per sample.	01 No.

Sl. No.	Deliverables	Technical Specification	Qty
30.	b) Aluminium Dowels	Dia 6 x 100/102 mm. Write 100, 10, 1, 1/10,1/100 in white colour on box	5 Nos.
31.	c) Beads of one bright colour	Diameter 12.5mmx10mm height and throughout hole dia 6.5/7 mm	50 Nos.
32.	A pack of cards numbered from 1 to 100	Plastic coated on both sides	01 No.
33.	Board showing	A4 size x 2, Plastic coated on both sides numbers +104 to -104	01 No.
34.	Dice 1 to 6	Blue and Red Cube 18/20 mm. side ,edges rounded	02 each
35.	Plastic box	140/150 x 90/95 x 40/50mm.	01 No.

3. Jadui Pitara

Sr no	Kit name	Specification	Qty
1.	Magnetic Board	Magnetic white board of size 32.5 * 24 cm and has a green board on the other side which will aid students letter recognition, maker them understand the sequence of Alphabets and numbers and also word formation. The board should have a stand to easily support the board.	1
2.	English Alphabets	Made up of high quality plastic. English alphabets should of different colorful jumble of learning possibilities, for Number recognition, matching and stenciling. Helps children develop early writing skills, promoting language art skills and helps teaching letter recognition. Completely Safe to be used by kids. Each having variable sizes should have constant 4 cm height and thickness of 0.7 mm. The Total contains of set: A to Z English Alphabets.	26
3.	Numbers in English	Made up of high quality plastic. Numbers should of different colorful jumble of learning possibilities, for Number recognition, matching and stenciling. Helps children develop early writing skills, promoting language art skills and helps teaching letter recognition. Completely Safe to be used by kids. Each having variable sizes of 3 cm height and thickness of 0.7 mm. All set should be properly packed.	1
4.	Duster with Chalk	duster with built-in chalk, a versatile tool for effortless cleaning and spontaneous creativity of size 8*2.8 cm	1

Sr no	Kit name	Specification	Qty
5.	Counting beads	Color full beads of 6 different shapes. Beads should be made of non- toxic high quality plastic. Specification of beads: **1) Square beads:** Size 18x18 mm and 23mm lenght. Should have a circular hole of size 11mm in the center. 10 quantity. **2) Rectangular beads:** Size 15x18 mm and 23mm lenght. Should have a circular hole of size 9mm in the center. 10 quantity. **3) Oval flat beads:** Size 19x18 mm and 23mm lenght. Should have a circular hole of size 9mm in the center. 10 quantity. **4) Tapered curved beads:** Center diameter 18mm, edge diameter of 12mm on both ends. Should have a circular hole of size 8mm in the center. 10 quantities. **5) Hexagon beads:** Size 18x16 mm and 23mm lenght. Should have a circular hole of size 9mm in the center. 10 quantity. **6) Tapered flat beads:** Center diameter 18mm, edge diameter of 12mm on both ends. Should have a circular hole of size 8mm in the center. 10 quantity. The string should be of Nylon and of size 400mm long and6mm thickness.	1 set
6.	Dummy currency	Fake Money Currency for Kids-Rs.10, 20, 50, 100, 200, 500 (20 Each), Multi Color	1
7.	Pattern blocks	This kit is can be used to create Alphabets, Numbers and multiple designs. The child can understand the difference between the shapes and helps in hand eye development as all the shapes are to be used to create a design	1
8.	Calender	Made of high-quality colorful wood and coated with environmentally friendly water-based paints. It is completely non-toxic and safe for children to play without risk of damage. Recommended children aged 3 and up.Design: Colored wooden clock with 12 moving number blocks. Your children will learn about the seasons, months, days of the week, temperature and time in the most amazingly and innovatively way.Made of high quality wooden material, non-toxic and durable. All parts are processed with rounded corners, very smooth and safe for kids.	1
9.	Counting frame	An abacus is a multidisciplinary ancient manual calculator that uses slidng beads to represent the numbers to workout math's sum. These 55 beads counting frame set is made of frame, rods and beads. 10 rods of length 20cm made of polypropylene material places between 2 stands of height 25cm. Each stand should have a removable base. The stand and its base should also be made of polypropylene material. The beads should be of size 20mm each of 10 different colors and placed in ascending order. The beads should of polypropylene material.	1

Sr no	Kit name	Specification	Qty
10.	Stacking cups	Stackable cups made of a thermoplastic polymer material polypropylene. The Cups should be in cylindrical shape. The dimensions of the cylindrical cups should be: Cylindrical cup 1: Dia- 81 mm, Height 50mm, Cylindrical cup 2: Dia- 78 mm, Height 48mm, Cylindrical cup 3: Dia- 73 mm, Height 47mm, Cylindrical cup 4: Dia- 70 mm, Height 46 mm, Cylindrical cup 5: Dia- 67 mm, Height 44mm, Cylindrical cup 6: Dia- 64 mm, Height 43mm, Cylindrical cup 7: Dia- 60 mm, Height 42mm, Cylindrical cup 8: Dia- 57 mm, Height 40mm, Cylindrical cup 9: Dia- 54 mm, Height 38mm, Cylindrical cup 10: Dia- 50 mm, Height 37mm. Each cup should have a wall thickness of 2mm and groves at the top of the cup should be of 3.5 mm. They should be packed in a proper box. Must be non-toxic and must be safe for students.	1 set
11.	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.	18
12.	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.	5
13.	Hollow Spacer	10mm diameter and 1mm thickness plastic hollow spacer. The connector should be made of high quality ABS material.	5
14.	Long Hollow Spacer	20mm diameter and 1mm thickness plastic hollow spacer. The connector should be made of high quality ABS material.	5
15.	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.	12
16.	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.	10
17.	3x1 Plus connector	30mm x 10mm x 10mm Connector. Should have a Plus shape in center and should be compatible with the plus shape shafts. The connector should be made of high quality ABS material.	3
18.	3 x 1 brick	30mm x 10mm x 10mm Connector. Should have a Plus shape in center and should be compatible with the plus shape shafts. The other 2 hole diameter should be of 8mm. The brick should be made of high quality ABS material.	6
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.	6
20.	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
21.	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.	3

Sr no	Kit name	Specification	Qty
22.	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.	8
23.	Wheel with Rubber grip	Plastic wheel of 44mm diameter and 24mm thickness compatible with provided shaft, Rubber grip for the provided wheel. The wheel should be made of high quality ABS material.	4
24.	Shaft - a	Minimum length 60mm. It should be made of high quality ABS material.	3
25.	Shaft - b	Minimum length 100mm. It should be made of high quality ABS material.	1
26.	Dissembli ng 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.	1
27.	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.	2
28.	Spur Gear 1	20mm diameter and 10mm thickness plastic spur gear compatible with provided shaft. It should be made of high quality ABS material.	2
29.	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.	2
30.	7 x 5 x 7 U shape brick	76mm x 50mm x 10mm Multipurpose bricks having 7 holes, 5 hole 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 high quality ABS material.	2
31.	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. It should be made of high quality ABS material.	1
32.	Shaft - c	Minimum length 170mm. It should be made of high quality ABS material.	1
33.	Screw shaft	120mm x 8mm spiral screw shaft compatible with 5 x 1 brick – B.. It should be made of high quality ABS material.	1
34.	Zig zag connector	50mm x 10mm x 10mm zig-zag connector. It should be made of high quality ABS material.	4
35.	Idler gear	20mm diameter and 10mm thickness plastic spur gear. It should be made of high quality ABS material.	3
36.	Picture Reading	This kid should include pictures which will be shown to students and encoraged them to converse by asking them to relate with theme. There should be 3 different scenes.The picture should be printed on 297 x 420 mm and should be hard laminated from both sides.	1 set
37.	Hindi word formation	Hindi varnamala cutouts with different matras. Students should be able to combine different alphabets and matras to make a proper word. Each alphabet should be of size 95 x 80 mm made of cardboard. and the matras should be size 95 x 80	1 set

Sr no	Kit name	Specification	Qty
		mm on transparant plastic sheet.	
38.	Beaker set	Beaker set in ml for measurement of liquid. Te set should be made of Plastic material and should have measuring scale mentioned on it.	1
39.	Star 3D shapes	A 3 Dimensional Star shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 14 x 14.5 cm, thickness 6.5cm	1
40.	Round 3D shapes	A 3 Dimensional Round shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size Diameter 15cm, thickness 6.5cm	1
41.	Square 3D shapes	A 3 Dimensional Square shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 15 x15 cm, thickness 6.5cm	1
42.	Hexagon 3D shapes	A 3 Dimensional Hexagon shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 15 x 15.5 cm, thickness 6.5cm	1
43.	Triangle 3D shapes	A 3 Dimensional Triangle shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size having all Three Side 16.5 cm, thickness 6.5cm	1
44.	Rectangle 3D shapes	A 3 Dimensional Rectangle shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 13 x 17.4 cm, thickness 6.5cm	1
45.	Oval 3D shapes	A 3 Dimensional Oval shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 17 x 8.2 cm, thickness 6.5cm	1
46.	Pentagon 3D shapes	A 3 Dimensional Pentagon shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size 16 x 15cm , thickness 6.5cm	1

Sr no	Kit name	Specification	Qty
47.	Semi-circle 3D shapes	A 3 Dimensional Semi-circle shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 6.5 x 8.2 cm, thickness 6.5cm	1
48.	Octagon 3D shapes	A 3 Dimensional Rectangle shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size overall diameter of 16.5 cm, thickness 6.5cm	1
49.	Trapezoid 3D shapes	A 3 Dimensional Trapezoid shape made of high quality virgin non toxic plastic material. All the corners of the shape should be rounded. It should be injection molded. It should have a shaft at the middle center to hold the piece and a magnet attched to it. It should be of size (L X H) 16.4 x 10.5 cm, thickness 6.5cm	1
50.	Hindi varnamala	Made up of high quality plastic, Hindi alphabets and numbers should of different colorful jumble of learning possibilities, for letter recognition, matching, and stenciling. Helps children develop early writing skills, promoting language art skills and helps teaching letter recognition. Completely Safe to be used by kids. Each alphabet and number should have minimum height of 40mm and thickness of 6mm. Eaach piece should have a magnet at the back. Total contains of set- 1. 49 HINDI ALPHABETS All set should be properly packed.	1
51.	AR cards	English A to Z The Kit should have a app live on play store.After scanning every card student should be able to see different 3d objects with informative audio.	1 set
52.	AR cards	Number From 0 to 30 The Kit should have a app. After scanning every card student should be able to see different 3D objects with informative audio in hindi language.	1 set
53.	AR cards	hindi varnamala 50 different cards The Kit should have a app. After scanning every card student should be able to see different 3D objects with informative audio in hindi language.	1 set
54.	AR cards	13 different shapes and colors The Kit should have a app. After scanning every card student should be able to see different 3D objects with informative audio in hindi language.	1 set
55.	Interactive addition card	When two number cards and an addition card is scanned by an Android app. The app should show the addition of two numbers. When scanned alone information of addition should be played. Information of card should be printed on backside in hindi language.	1
56.	Interactive Subtractio	When two number cards and a subtraction card is scanned by an Android app. The app should show the Subtraction of two numbers. When scanned alone information of subtraction	1

Sr no	Kit name	Specification	Qty
	n card	should be played. Information of card should be printed on backside in hindi language.	
57.	Interactive Multiplication card	When two number cards and a multiplication card is scanned by an Android app. The app should show the Multiplication of two numbers. When scanned alone information of Multiplication should be played. Information of card should be printed on hindi in regional language.	1
58.	Interactive Division card	When two number cards and a division card is scanned by an Android app. The app should show the Division of two numbers. When scanned alone information of division should be played. Information of card should be printed on backside in hindi language.	1
59.	Geoboard	Square geoboard with a matrix 10 x 10 poles. It should be made of high qulaity plastic material. The goeboard should even come with strong rubberband. The geoboard should have a circular board at the back. The goeboard should even come with strong rubberband.	1

4. Science Park

Sl. No.	Item name	Specification	Qty
1.	MAGNET SET	An educational magnet set 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
2.	MAGNETIC MOTION	This kit features a 5''x3'' plastic platform with multiple use holes, a plastic C bracket, a metal rod, a ring magnet, and a 3-blade 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
3.	MAGNETIC MATERIAL FINDER	This kit comprises a 5''x3'' plastic platform with multiple use holes, a plastic C bracket, a U pin, a ring magnet, and magnetic and non-magnetic pieces. Designed to demonstrate the distinction between magnetic and non-magnetic materials, it includes circular magnets, washers, and strips of various materials, along with an acrylic platform for clear visualization.	1
4.	FLOATING MAGNET	This kit includes a 5''x3'' plastic platform with multiple use holes, a pen, 6 foam rings, 6 ring magnets, a plastic T-stand, 2 plastic magnet stands, and 6 nut-bolts. Additionally, it features a 3-blade small fan fixed on a pen. Designed for interactive learning, this science kit explores magnetic force through engaging experiments such as floating a pencil, levitating a screw, and building a maglev. All necessary materials for the experiments are included in the box, along with detailed instructions for use and care.	1

Sl. No.	Item name	Specification	Qty
5.	CURIE POINT	This kit includes a 5''x3'' plastic platform with multiple use holes, a pen, a ring magnet, 2 D-size battery holders, 2 crocodile clips, an 8'' PVC stick, a 2'' metal rod, thread, and a 6'' nichrome wire. This educational tool demonstrates the effect of heating on magnetism using a simple setup. By heating the iron to its Curie point, the iron atoms become scrambled, losing their ability to create a magnetic field, as showcased in this snack activity.	1
6.	Gravity Toy	The working model should be provided with a moulded Plastic Base of size: Diameter :12cm, Height :1.5cm, It should also have a moulded metal rod with Height: 11cm, thickness :0.5cm to build stand for the model. This model should consists of plastic base and metal balancing structure with Rod length: 20cm, No. of cylindrical blocks :02, cylindrical blocks diameter:1.8cm, cylindrical blocks height:2.5cm block should be at both ends of matel rode. center human body structure with Height : 7.5cm, Max Width: 2.3cm	1
7.	Newton colour disc	Newton Colour Disc Specification: Type: Model Material & Size: This activity contains of a wheel and colour template, motor and stand. Base Usually made of plastic, The disc is made of lightweight plastic. USE:A Newton Colour 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
8.	NEWTON 1st LAW	Type: Model Material & Size: Base: Made of durable plastic, Column: Lightweight plastic, Top Platform: Circular plastic platform, Ball: made of plastic., Cup: Plastic. USE: The Newton's First Law model demonstrates inertia, showing that objects remain at rest or in motion unless acted upon by an external force	1
9.	NEWTON 2nd LAW	Type : Model Material & Size: Base: made of plastic or wood, Track/Rail: made of metal or plastic, Cart: made of plastic or metal., Pulley: made of metal or plastic., Weights: Metal, in varying sizes (100 g, 200 g, etc.), String: Nylon or cotton. 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
10.	NEWTON 3rd LAW	Type: Model Material & Size: Base: made of metal. Frame: constructed from stainless steel/aluminum. Spheres: made of steel, with 5 spheres included. Suspension Strings: 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

Sl. No.	Item name	Specification	Qty
11.	FLEMING's LEFT Hand Rule	Type : Model Material & Size: Base and Structural Components: Made from durable plastic to provide stability and ease of handling, Conducting Parts and Connectors: Made from metal to ensure proper electrical conductivity, Magnets: Generally made from a strong magnetic material like neodymium or ferrite, Wires and Coils: Made from copper or aluminum for efficient current flow, Rotating Armature: Usually a combination of plastic and metal demonstration model USE: This kit demonstrates Fleming's Left Hand Rule, which is used to determine the direction of force on a conductor in a magnetic field.	1
12.	FLEMING's Right Hand Rule	Material & Size: Base and Structure: The base and structural components are typically made from durable plastic for stability and ease of handling, Metal Rods: The rods supporting the components are usually made of metal for added strength and conductivity. Components: Magnets: Strong magnets, often made from neodymium or ferrite, are used to create the magnetic field, Wire Coil: The coil is made from copper wire for excellent electrical conductivity. Connectors: Metal connectors are used for secure electrical connections, Armature: The rotating part, which can include both plastic and metal elements. Use: This kit demonstrates Fleming's Right Hand Rule, used to determine the direction of induced current in a conductor moving within a magnetic field	1
13.	SIMPLE PENDULUM	Type : Model One bob appears to be metallic, and the other wooden, Material of the String: Likely nylon or cotton thread. Use:A simple pendulum is used in clocks to help keep time by swinging back and forth. It's also used in schools to show how things move and to learn about gravity and energy	1
14.	DISTANCE PENDULUM	Type : Model Material & Size: Base Structure: Width: Approximately 30-40 cm, Depth: Around 10-15 cm (to provide stability), Vertical Frame Height:, Total Height: Roughly 50-70 cm, Horizontal Segments: Length of Each Segment: About 10-15 cm, Height Difference Between Segments: Approximately 10-15 cm, Pendulum Length: Shortest Pendulum: Around 30-40 cm, Middle Pendulum: Roughly 40-50 cm, Longest Pendulum: About 50-60 cm, Pendulum Bobs: Diameter: Generally 1-2 cm, Material: Likely metal or dense plastic, Frame Material: Thickness: Typically 1-2 cm for structural rods	1

Sl. No.	Item name	Specification	Qty
15.	SOLAR ENERGY KIT	SIZE: The model should be provided with a moulded wooden casing of size: 30.5cm x 11.5cm x 4.8cm and 0.1cm wall thickness. MATERIAL:This working model should consists of wooden box size : 30.5cm x 11.5cm x 4.8cm with solar panel size: 7cm x 7cm Solar Panel Power : Upto 100 W, with DC connecting cable, panel stand mechanism, 9V battery, 2.5mm DC- DC jack, Internal wooden Board Size : 8.2cm x 9.8cm x 2cm on board acrylic plate size : 8.2cm x 9.8cm x 0.3mm On Board Components : Two 1.2v battery with holder, LED, DC motor, Fan, Volt meter, 5 Audio Female jack USE: The purpose of this kit is to show the power of solar energy and how it can be transformed into many forms of energy, such as electrical, light, sound, and electromechanical energy. Every device included can be used directly from the solar panel or from a charged battery. Two cell holders, a solar panel with lead, a motor fan, a music chip, an LED, a small voltmeter, and a base with a wooden casing are all included with the solar kit.	1
16.	REFLECTION & REFRACTION	A kit comprising a wood round base with laser print, 2 pipes, and a reflection plate. Designed to demonstrate the principle of equal angles of incidence and reflection. Features a protector ('D') screen-printed on a laminated board and two independent arms with 12 long stainless-steel pipes each. The angles are adjusted until maximum sound is heard, indicating equal angles as indicated by the 'D' reading.	1
17.	REFLECTION OF LIGHT	A wooden half-round apparatus, featuring 3 movable metal pointers fixed on the plate and a mirror. Designed for students to investigate the reflection of light by a plane mirror. Enables the drawing of four ray diagrams for each angle of incidence.	1
18.	MY OPTICAL LAB UTILITY	The kit includes 2 plane mirrors, 2 plastic mirror stands, 1 convex/concave (CX/CV) lens, 1 convex/concave (CX/CV) mirror, a glass slab (18mm), a prism (38mm x 38mm), and a torch. It comes packaged in a box, and an instruction manual is not required. This kit is designed for conducting activities related to light reflection and refraction, featuring 3 types of mirrors, 2 types of lenses, a glass prism, glass slab, and mirror stands. Please note that no manual is included with this kit.	1

Sl. No.	Item name	Specification	Qty
19.	RAY OPTIC KIT	RAY OPTIC KIT : (1) 12V, 2amp power supply, (1) Ruler, (1) Protractor, (6) Sheets of paper. Type : Model Material & Size:Parts included: (1) Light box, (1) Lamp Holder), 12V (20W) bulb, (2) 4mm banana plug leads, (1) Plane mirror on stand, (2) slit plates, (8) Colored slides, (8) Colored Cards, (1) Rectangular prism, (1) 45/45/90 prism, (1) Equilateral prism, (1) 30/60/90 prism, Semicircular prim, (1) Bi-concave lens, (2) Bi- Convex lens, (1) Parabolic mirror, (1) Semi-circular mirro, (1) Semi-Circular Dish USE:Comprehensive Learning: Shree Balaji Traders' RAY OPTICS KIT provides a thorough exploration of optical principles, covering topics such as reflection, refraction, and lens properties.	1
20.	Periscope Kit	kit should have MDF /Wood sheets to build a functional printing press with parts like height adjuster, plane, mirror window, lever, hardware belt etc. Kit should have step by step building instruction.	1
21.	Telescope	Material: Aluminum. Telescope type. : Refractor Objective lens. Diameter: 60mm. Focal length: 700mm. Dimensions(cm) : 25.4×15.24×72.39. Three eyepieces. : H20mm, H12.5 and SR4MM, (Maximum Magnification 525 times) 1.5x Erecting Len and 3x Barlow Len Finder scope 5×24. Aluminum Alloy Tripod and Tray.	1
22.	Kaleidoscope	A DIY Kaleidoscope made of MDF. The kit should include 1 high-quality wooden sheets, 3 child-safe mirrors, 60 colorful beads and 116 loose parts. The kit should even include a manual to explain the construction and working of the Kaleidoscope.	3
23.	DOPPLER EFFECT	This compact model features a plastic container, cell holder, switch, buzzer, wire, hook, and thread. Experience the Doppler Effect firsthand as the swinging piezoelectric speaker buzzer alters its pitch slightly when approaching and receding.	1
24.	Electric motor model	An electric motor models. It should come with a magnet with polarities mentioned on it.	1
25.	HEATING EFFECT OF CURRENT	This kit includes a plastic platform, wax, battery holder, plastic brackets, nuts/bolts, and nichrome wire.	1
26.	Paper circuit kit	A DIY paper circuit kit compatible with AR technology with which students can make 10+ electronics circuits. The kit should include conductive materials, LEDs, batteries, sensors, buzzers and switches that can be assembled on paper to create interactive circuits.	5
27.	Balloon car	A DIY balloon car which consists of 2 foam boards of size 4.5 x 3 inch and height 4mm, 1.6 inch wooden stick, 2 inch balloon. The kit should even come with all the necessary accessories required.	5

Sl. No.	Item name	Specification	Qty
28.	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	5
29.	PULLEYS EXPERIMET - METAL	The kit includes a metal stand, 2 single pulleys with metal brackets, 2 metal plates, thread, and hooks. It enables students to observe single, two, and four pulley concepts. Featuring a wood stand, plastic pulleys with attachments, parts, and a small bucket, accompanied by a manual in the box for comprehensive understanding and experimentation.	1
30.	SIMPLE LEVER SYSTEM	The kit comprises EVA foam parts, stiff straws, 50 toothpicks, and marbles. Designed for demonstrating the concepts of 1st, 2nd, and 3rd order lever systems, students can explore these principles using the EVA foam stand, bucket, and marbles provided. A manual is included inside the box for guidance during experimentation.	1
31.	HYPERBOLA	The kit includes MDF laser-cut parts, sticks, a gear motor, switch, and battery holder. Designed for studying hyperbola equations, foci, eccentricity, directrix, latus rectum, and characteristics of such curves. Students can engage in hands-on learning activities to explore and understand hyperbolic curves.	1
32.	INERTIA OF MOTION	The kit consists of a metal stand, spring, funnel, and plastic ball. It demonstrates the principle of inertia, showing that a body in motion remains in motion. When the spring is compressed and released, both the funnel and the ball move up together, but the funnel is held back after moving a certain distance, while the ball continues to move further before falling down.	1
33.	INERTIA AT REST	The kit features a wood base, plastic pipe, wood plate, spring-mounted metal strip, and plastic round plate. It demonstrates Newton's first law of motion, illustrating that a body at rest remains at rest unless acted upon by an external force. When the metallic strip is pulled and released, only the square plate moves away, while the plastic coin remains stationary, showcasing inertia.	1
34.	CONSERVATION OF ENERGY	This kit includes a metal stand, a metal disc with a center support, and a thread. It demonstrates the conservation of mechanical energy: as the wheel is rotated and released, potential energy converts to kinetic energy, then back to potential energy, repeating until energy is lost to friction and gravity.	1

Sl. No.	Item name	Specification	Qty
35.	CONSERVATION OF MOMENTUM	This kit comprises a metal stand, pendulum bob, and thread. It illustrates the law of conservation of momentum: five stainless steel balls suspended from a metal frame demonstrate that the momentum before collision remains the same as after collision. Pulling and releasing one ball highlights momentum transfer and conservation principles.	1
36.	CENTRIFUGAL FORCE KIT	This kit features a hand-rotated gear mechanism fixed in a metal stand, a spring moment metal strip, a metal rod with three holes, and a plastic test tube with a movable stand that fixes on the metal rod. It qualitatively demonstrates the relationship between mass, velocity squared, and radius. The kit includes flexible steel hoops mounted on an axle that slide and flatten into ellipses when rotated, as well as test tubes filled with water that remain horizontal without spilling when rotated vertically.	1
37.	INCLINED PLANE	This kit is constructed from hardwood, offering a simple and economical solution for studying uniformly accelerated motion. It features a cut-away base allowing cords to hang freely, along with a hinged plane measuring 60 x 7.5 cm and an aluminum pulley with a 38 mm diameter. Additionally, it includes a stepped lower face for setting angles between approximately 24 and 45°, scale pans, and sliders measuring 100 x 75 mm and 200 x 75 mm.	1
38.	MAGNETIC BRAKE	The apparatus includes a 5''x3'' plastic platform with multiple-use holes, motor stand, 3V DC motor, battery holder, plastic round plate for motor shaft, neodymium magnet, L-bracket, plastic slider, nut-bolts, and an aluminum round plate of the same size as the plastic round plate. Additionally, two side taps are included.	1
39.	HYDRAULIC BREAK	The apparatus comprises a 5''x3'' plastic platform with multiple-use holes, a motor stand, a 3V DC motor, a battery holder, a plastic round plate for motor shaft, two 5ml syringes, transparent pipes for fixing on syringes, and a syringe stand.	1
40.	HYDRAULIC JACK	The kit includes a 5''x3'' plastic platform with multiple- use holes, 3 C-shape plastic stands, MDF bracket for fixing on plastic C-brackets, plastic round plate for fixing on 20ml syringe piston, 2ml syringe (2), 20ml syringe (1), 100ml plastic container, 4 plastic syringe connectors, 4 transparent pipes (6'' each) for fixing on syringes, and 3 metal balls.	1
41.	REVERSE & FORWARD GEAR SYSTEM	This kit includes 3 large and 2 small gears, an acrylic platform, 3 types of gear mounts, a gear stick, sliding mesh, metal rod, a 3v DC motor, battery holder, and wires. Construct a gear mechanism powered by a battery. This model features a dual-step gear system, enabling both forward and reverse motion.	1

Sl. No.	Item name	Specification	Qty
42.	GRAVITY CAR	A kit 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
43.	AIR CAR	A kit Compact at 12cm*7cm*8cm, it includes 2.5mm MDF cut parts, 3V DC motor, MDF cut wheels, 3V 50mA solar panel, plastic gear for making gear box, metal shaft.Making a Air-powered car teaches students about different kinds of energy and how to solve problems, design things, and make models.	1
44.	SOLAR CAR	A kit includes 2.5mm MDF cut parts, 3V DC motor, MDF cut wheels, 3V 50mA solar panel, plastic gear for making gear box, metal shaft. Building a solar-powered car will introduce students to alternative energy concepts while incorporating problem-solving, design, and modeling.	1
45.	RUBBER POWERED GLIDER	A kit includes plastic corrugated cut glider, counter weight, big rubber band. In the elastic-band propelled aircraft, potential energy is stored in the stretched rubber band, propelling the plane forward as per Newton's Third Law.	1
46.	Sun, moon and earth model	An apparatus of sun, moon and earth. It should be made of plastic. This apparatus should help students understand the rotation and revolution of earth around sun and moon around earth.	1
47.	Solar system model	A solar system model with all planets and sun made of plastic. All planets should be held in proper sequence.	1
48.	Phases of moon	Phases of moon model. It should be made of plastic. This apparatus should help students understand how phases of moon changes with its position.	1
49.	Beaker set	Glass Beaker 5 ml, 10ml, 25 ml, 50 ml, 100 ml, 250 ml, 500 ml with Graduation Marks, Beakers Pack of 7	1
50.	Number Balance	The balance should provided with assorted Plastic beads, Spicks, Two pan with hangers, Weight set, Plastic stand , connector and Base.	1
51.	Glider plane	A DIY glider plane made of lighter material and should work on battery and a motor.	1
52.	Wave machine	A wave machine apparatus made of plastic and should be manually operated. IT should explain the wave pattern when the lever is rotated.	1
53.	Return measuring tape	Return measuring tape 5Mx19mm	2
54.	Friction Apparatus	An apparatus which explains the concept of friction. The kit should even come with different blocks which has different friction ratio with the base.	1
55.	Reflection of sound	The apparatus should have plastic tubes through which students can learn how sound reflects after colliding with the surface.	1

Sl. No.	Item name	Specification	Qty
56.	Hand battery	A hand battery equipment made of plastic. It should have a analog meter and metal sheet of aluminum and copper on each side of the meter.	1
57.	Conductor and insulator	A DIY kit which covers the fundamentals of electricity, conductors and insulators. The kit should consist of pieces to construct a robot as well. The kit should be able to make 6+ different models which covers different concepts of electricity	1
58.	Volcano model	A volcano model made of plastic. The model should have lights to replicate the actual color of lava.	1
59.	Compass	A directional magnetic compass made of stainless steel and of size 7.5 * 7.5 * 1.2 cm	1
60.	Hydraulic Press	A hydraulic press apparatus. The press should come with 2 pistol arrangement connected with each other.	1
61.	Viscosity apparatus	A Viscosity apparatus should consist of 3 test tubes with 3 different fluids. the apparatus should help understand how viscosity in any fluid works.	1
62.	Reflection of concave and convex lenses	A Viscosity apparatus should consist of 3 test tubes with 3 different fluids. the apparatus should help understand how viscosity in any fluid works.	1
63.	Faraday's law	A faraday's law apparatus should come with instructions on how to use the apparatus printed on top of it.	1
64.	Water filter	Water filter kit which should include different types of rocks and sand. It should also contain different plastic containers to hold the rocks and sand	1
65.	Satellite model	A satellite model made of plastic. the satellite cube should be of 53 x 53 x53 mm. There should be other accessories provided in the kit to help assemble and make the whole mode.	1
66.	GSLV Model	A GSLV Rocket model of size 260 x 60 x60 mm. It should be made of plastic. The rocket should be attachable and dispatchable. It should come with a manual to help assemble the rocket.	1
67.	Wind mill	A lever operated wind mill model of size 320x 120 x 225 mm. it should be made of plastic and metal sheet. The model should even have a analog meter, bulbs and switch on the base.	1
68.	Water cycle kit	Science model to demonstrate the life cycle of waste. it should be a wooden box with led to indicate the process.	1
69.	Electromagnetism	A Study model of electromagnetism kit. Should be made of high-quality plastic.	1
70.	Lungs model	A human lung study model made of fiber glass of size 105 x 155mm. It should come in 2 pcs to help students understand the internal structure of lung. The stand should provide with the model and should be made of plastic of size 103 x 103 mm.	1

Sl. No.	Item name	Specification	Qty
71.	Human torso	A human torso made of fiber glass of size 480 x 285mm. It should have detachable ragn to help understand the internal structure of a human body. The model should come with a human body, brain, heart, lungs, liver, stomach and intestine. The torso should even display the structure of spinal cord	1
72.	Human Body Organs & Functions	The kit should have of sustainable wood and should help learn about Human Anatomy and Organ Functions. The kit should be DIY and help students understand about the position of different body parts. It should even include flashcard with information of different body parts.	1
73.	Human eye model	A human eye study model made of fiber glass. The eye model should be of size 90mm diameter. The eye ball should come with a metal rod to place it on the stand. The stand should be made of plastic of size 103 x 103 mm. The eye model should cover concepts of iris, pupil, lens, retina, seclera, optical nerve, eye muscles etc.	1
74.	Human Brain model	A human brain model made of fiber glass. The brain model should be of size 140 x 120 mm. It should come in 2 pcs to help students understand the internal structure of brain.	1
75.	Heart anatomy model	A human heart study model made of fiber glass. The heart model should be of size 90 x 70 mm. The heart should be in 2 pcs to allow students to learn the internal structure of it. The eye ball should come with a metal rod to place it on the stand. The stand should be made of plastic of size 103 x 103 mm. Notions like ventricle, auricle, Values, vena cava etc should be mentioned on the model.	1
76.	Human skeleton	Human skeleton of size 130cm made of plastic material. Should be provided with a plastic stand to hold the skeleton	1
77.	Digital Microscope with LCD and USB interface	Material: ABS Image Quality: standard definition Resolution: 720P, VGA Focus Range: 0-3cm Display: 4.3in LCD Display Image Resolution: 2 Mega Pixels LED Quantity: 8 White LED Illumination Scope: 0 - 30000LUX Brightness Control: Manual Adjustment Power Supply: USB DC 5V USB Interface: USB 2.0	1
78.	Chlamydomonas	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
79.	Euglena	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
80.	Spirogyra	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
81.	Kidney	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
82.	Dicot Stem	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
83.	Xylem	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1

Sl. No.	Item name	Specification	Qty
84.	Cucurbita Stem	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
85.	Parenchyma	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
86.	Onion Peel cells	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
87.	Paramecium	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
88.	Yeast Budding	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
89.	T.S of Ovary	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
90.	White blood cells	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
91.	Flower Ovule L.S	A microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces.	1
92.	Slides	A blank microscope slide is a 75x25 mm, 1 mm thick glass or plastic sheet with smooth, transparent surfaces	50
93.	Ecofriendly gradening pots	Ecofriendly gardening pots of size 50mm long, 60mm diameter	12
94.	Mud coins	Circular mud coin of 12 to 15mm height and 25mm diameter	3
95.	Plastic bowls	Plastic bowls of size 63mm dia and 27mm length	15
96.	Plastic glass	75mm dia and 100mm length	3
97.	Seeds	4 different types of vegetable and fruit seeds	75
98.	Syringe	6ml syringe without needle and rubber end on pistol	3
99.	Wooden spoon	Standard size	3
100.	Food pipe	1 m long 0.5mm diameter	3
101.	Stand	Stand made of high quality MDF material to hol minimum 4 pots	3
102.	PLANT CELL CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
103.	ANIMAL CELL CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
104.	PROKARYOTIC CELL CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
105.	MITOCHONDRIA CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
106.	MEIOSIS (CHART)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
107.	DEVELOPMENT OF EMBRYO HUMAN (CHART)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1

Sl. No.	Item name	Specification	Qty
108.	STUCTURE OF FLOWER (CHART)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
109.	L S OF HUMAN KIDNEY (chart)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
110.	INTERNAL STRUCTURE OF HEART (CHART)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
111.	LYMPHATICS YSTEM (CHART)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
112.	ALIMENTARY CANAL OF MAN (CHART)	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
113.	EXCRETORYS YSTEM CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
114.	STRUCTURE OF NEPHRON CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
115.	T.S OF LEAF CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
116.	T.S OF CHLOROPLAS T CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
117.	AUTONOMOU S NERVOUS SYSTEM	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
118.	BLOOD CIRCULATOR Y SYSYEM CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
119.	FOOD CHAIN AND FOOD WEB CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
120.	MENDEL LAWS CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
121.	HUMAN MALE REPRODUCTI VE SYSTEM CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
122.	MITOSIS CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
123.	BLOOD CELLS CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1

Sl. No.	Item name	Specification	Qty
124.	HUMAN FEMALE REPRODUTIVE SYSYEM CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
125.	HUMAN RESPITORY SYSTEM CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
126.	FERTILIZATION IN PLANTS CHART	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
127.	Hygiene	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
128.	Safety rules	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
129.	Plants and Trees	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
130.	Body parts and organs	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
131.	SwacchBhaarat	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
132.	Cause, Effects and reducing of Air Pollution	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
133.	Rocks, minerals and soil	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
134.	Saving forests - Causes & Effects	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
135.	Indoor safety	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
136.	Types of plants - climbers and creepers	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
137.	Birds food habits	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
138.	Interesting Insects	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
139.	Ways to store portable water	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
140.	Famous scientist in India	Set of 5 different Scientist. Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
141.	Natural disasters and tech to fight them	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1

Sl. No.	Item name	Specification	Qty
142.	Personal cleanliness	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
143.	Food from plants	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
144.	Food pyramid and balanced diet	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
145.	Composition of Air	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
146.	Cause, Effects of Water pollution	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
147.	Reason of Season	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
148.	Famous scientist in world	Set of 5 different Scientist. Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
149.	Artificial satellite	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
150.	Soil erosion	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
151.	First aid	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
152.	Super Senses chart	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
153.	Renewable vs Non-renewable energy	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
154.	Rainwater harvesting	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
155.	Animal kingdom	Multicolor PVC foam sheets of size 16.5 in x 23.4 in	1
156.	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 and English, ensuring that every video is provided in both languages. Additionally, manuals for all 150+ topics should be supplied.	1
157.	AR NCERT Manual	The manual should contains 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

Sl. No.	Item name	Specification	Qty
158.	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 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, which can be utilized as actual components for performing practical exercises in AR mode.	1
159.	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
160.	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
161.	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
162.	4 leg walking robot	The kit should contain 70+ plastic construction pieces which are sufficient to make 8+ different models of 4 leg walking robot. it should have a motor with battery case (3.7V battery). The plastic construction set should be made of high quality ABS material. A maunal explaining the construction and working of all the models should be provided with the kit	3
163.	Conductivity tester kit	A single component kit which covers the concept of conductivity of electricity. The component should be of size 13.8 x 6.4 x 2.5 mm and should be made of ABS material with metal loops on both ends. It should work on coin cells and should have an ON/OFF switch. It should have a buzzer as indicator for conduction. It should have an The kit should have a user manual to demonstrate working of the product.	3

Sl. No.	Item name	Specification	Qty
164.	Easy Circuit 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	3
165.	One snap connector	Single snap point	6
166.	Two snap connector	4.0 x 1.3 cm snap connector with 2 points	18
167.	Three snap connector	7 x 1.3 cm snap connector with 3 points	9
168.	Four snap connector	9.5 x 1.3 cm snap connector with 4 points	3
169.	Five snap connector	12.5 x 1.3 cm snap connector with 5 points	3
170.	Reed switch	Reed switch 7.0 x 2.1 x 1.2 cm with 1 snap connector on each side	3
171.	Slide switch	Slide switch 7.0 x 2.1 x 1.0 cm with 1 snap connector on each side	3
172.	Button switch	pushbutton 7.0 x 2.1 x 1.3 cm with 1 snap connector on each side	3
173.	Red LED	LED 7.0 x 2.1 x 1.2 cm with 1 snap connector on each side	3
174.	Blue LED	Lamp 7.0 x 2.1 x 3.0 cm with 1 snap connector on each side	3
175.	2 AA battery holder	7.0 x 5.8 x 1.7 cm cube to holde 2 AA battery with 1 snap connector on each side	6
176.	Loudspeaker	2.2 x7.0 x 6.7 cm speaker for playing music with 1 snap connector on each side	3
177.	Speaker IC	IC of size 7.3x4.5x1.6 cm with 1 snap connector on each side	3
178.	High speed toy Motor	Motor of size 7.3x4.5x2.3 cm with 1 snap connector on each side	3
179.	IC for power amplification	IC of size 7.3x4.5x1.6 cm with 1 snap connector on each side	3
180.	Frequency modulation IC	IC of size 7.3x4.5x1.6 cm with 1 snap connector on each side	3
181.	Mounting plate	Glass mounting plate for assembling the circuit 22.5 x 16.5 cm	3
182.	Plastic fan	Plastic fan compatible with High speed toy Motor of size 80mm	3

Sl. No.	Item name	Specification	Qty
183.	Rocket kit	A DIY rocket kit with Peak altitude : 550ft/170m and Lift off weight (without fuel): 48g The Rocket should be reusable and low power Model Rocket, uses Type C motor. The kit should include: 1 Body Tube: PVA bonded high BF sack kraft paper tube Length: 300 mm Diameter: 28 mm 1 Nose Cone: Blow moulded HDPE 5 Fins: Leser cut corrugated PP sheet 2 Motor Housing: PVA bonded high BF sack kraft paper tube 5 Block Rings: PVC Foam 1 Engine: Class C model rocket motor Fuel: Black Powder Burn Time: 2.5 seconds 2 Igniters 1 Launch Lug 1 Student Launch Pad 1 Student Ignition System Basic stationary like Scissor, Paper Cutter, An Electric Tape, FeviKwik, Sandpaper, Pen, Pencil, Eraser, Sharpener, Scale should be provided in the kit along with instruction Manual.	2
184.	White Board	Standard white board of 4 x 3 ft size with 3 different color markers	1

Sl. No.	Item name	Specification	Qty
185.	Tablet	Operating system: Android 13.0 or higher Processor: OCTA CORE PROCESSOR Upto 2.0 Ghz or higher (Mediatek/Snapdragon/Qualcomm) RAM: 4 GB LPDDR 4 Storage: Inbuilt 64 GB EMMC Extended micro SD: Expandable Up to 1TB Screen Panel: 10.1" WUXGA IPS/Amoled Incell Panel Resolution: 1920*1200 IPS/AMOLED Touch Screen: 10-points multi touch capacitive Incell Color Display: 16 Million Camera: Front 8MP (Fixed Focus) + Rear 16MP (Digital zoom, Auto focus, Flash Light) SIM Support: 4G or higher Wireless LAN & Bluetooth: 802.11 a/b/g/n/ac & BT 5.0 GPS: Included Sensors: Accelerometer, Light Sensor, G Sensor, Compass, Hall sensor, Proximity sensor Geo Tagging: Available Speakers: Built in Dual Speakers Microphone: Built in Microphone I/O interface: 1* Earphone 3.5mm, 1* Type C Port with OTG Support, 1* Micro SD Socket Video Recording: 1080P, 30 fps Build Quality: Back cover Aluminum /Metal Alloy Body Battery & Adaptor: 7100 mAH Battery or higher with 18 Watt fast charging adaptor Flip Cover: Smart Flip Cover with inbuilt full edge back cover Bidder should provide OEM Manufacturing certificate and certificates like BIS, CE, CB, FCC ROHS, EPR, SA8000, ISO9000, ISO 14000, ISO27000, ISO 20000, ISO 50000, EPR	1
186.	Table	Laminated wood on top of the table Wood and MS legs Size : 4x2 feet Rubber Support on each legs	4
187.	Stools	Stool made of high quality plastic of size 485 x285 x 285 mm	25
188.	Cupboard	Material: Metal Type: Bookshelf Furniture No. Of Shelves: 4 Shelves Length (In Inch): 60" Breadth (In Inch): 30'' Depth (In Inch) :15'' Depth (In Inches): 15'' Finishing Paint Coated	1
189.	Power Strip Adaptors	5 Plug with Standard Quality Extension	7
190.	AR EARTH chart	4' x 2' – print should be with metal frame – English Earth chart should have an interactive 3D model of Earth, allowing kids to rotate and scale it. Animations highlight continents, oceans, and weather patterns, with explanations in English, Marathi, and Hindi.	1
191.	AR SOLAR SYSTEM CHART	4' x 2' – print should be with metal frame – English solar system chart should have an interactive 3D model of asteroids, allowing kids to rotate and scale them. Animations show asteroid orbits and collisions, with explanations in English, Marathi, and Hindi.	1

Sl. No.	Item name	Specification	Qty
192.	AR Asteroids chart	4' x 2' – print should be with metal frame– Asteroids chart should have an interactive 3D model of asteroids, allowing kids to rotate and scale them. Animations show asteroid orbits and collisions, with explanations in English, Marathi, and Hindi.	1
193.	AR The Big Bang Theory chart	4' x 2' – print should be with metal frame – Big Bang Theory chart should have an interactive 3D model of the universe's expansion, allowing kids to rotate and scale it. Animations illustrate the initial explosion and cosmic evolution, with explanations in English, Marathi, and Hindi.	1
194.	AR Ground to Orbit (The Satellite Lifecycle) chart	4' x 2' – print should be with metal frame – Ground to Orbit: The Satellite Lifecycle chart should feature an interactive 3D model showcasing the complete journey of a satellite, from its launch on Earth to its final orbit around the planet. Kids can rotate and scale the model to explore the different phases, including rocket launch, stage separation, satellite deployment, and orbital establishment. Each phase will be animated to visually explain the process, with accompanying explanations available in English, Marathi, and Hindi.	1
195.	AR Anatomy of a Human body chart	4' x 2' – print should be with metal frame– Anatomy of a Human Body chart should include an interactive 3D model that allows kids to explore the different systems and organs of the human body. Users can rotate and scale the model to view various body parts in detail, from the skeletal system to internal organs. Animations demonstrate functions like the circulatory system in action or the process of digestion, with explanations provided in English, Marathi, and Hindi.	1
196.	AR Human and Embryo development chart	4' x 2' – print should be with metal frame– Human and Embryo Development chart should feature an interactive 3D model that guides kids through the stages of human growth, from fertilization to full development. The model allows users to explore each stage, including cell division, embryo formation, and the development of major organs. Rotating and scaling the model provides detailed views of the changes occurring at each stage, with animations illustrating key developmental milestones. Explanations are available in English, Marathi, and Hindi to make the content accessible and educational.	1
197.	AR Ohm's Law chart	4' x 2' – print should be with metal frame – AR Ohm's Law Chart should provide an interactive augmented reality experience that helps kids understand the relationship between voltage, current, and resistance. Using a mobile device, students can point at the chart to see 3D animations illustrating how changing one variable affects the others. Interactive sliders can allow kids to adjust voltage, current, or resistance and observe the corresponding changes in a virtual circuit. Explanations in English, Marathi, and Hindi will guide learners through the principles of Ohm's Law, making the concept engaging and easy to grasp.	1

Sl. No.	Item name	Specification	Qty
198.	AR Periodic Table chart	4' x 2' – print should be with metal frame – An AR Periodic Table Chart should bring the periodic table to life through augmented reality, allowing students to explore elements in an interactive and engaging way. By scanning the chart with a mobile device, students can access 3D models of each element, showcasing atomic structures, electron shells, and key characteristics. The chart can also highlight element groups, periodic trends, and real-world applications of elements, with animations that explain chemical reactions. Detailed explanations in English, Marathi, and Hindi will help students understand complex concepts, making chemistry more accessible and enjoyable.	1
199.	AR Evolutionary Timeline (From Origins to Present) chart	4' x 2' – print should be with metal frame AR Evolutionary Timeline Chart will focus on the evolution of specific animal groups, such as felines and canines, showcasing their fossil ancestors and how they have evolved into modern counterparts like cats and dogs. By scanning the chart with a mobile device, students can view 3D models of fossil specimens and modern animals, along with animations illustrating key evolutionary changes. Explanations in English, Marathi, and Hindi will detail how these species have adapted and evolved over time, making the study of animal evolution interactive and informative.	1
200.	Rocket kit	A DIY rocket kit with Peak altitude : 550ft/170m and Lift off weight (without fuel): 48g The Rocket should be reusable and low power Model Rocket, uses Type C motor. The kit should include: 1 Body Tube: PVA bonded high BF sack kraft paper tube Length: 300 mm Diameter: 28 mm 1 Nose Cone: Blow moulded HDPE 5 Fins: Leser cut corrugated PP sheet 2 Motor Housing: PVA bonded high BF sack kraft paper tube 5 Block Rings: PVC Foam 1 Engine: Class C model rocket motor Fuel: Black Powder Burn Time: 2.5 seconds 2 Igniters 1 Launch Lug 1 Student Launch Pad 1 Student Ignition System Basic stationary like Scissor, Paper Cutter, An Electric Tape, FeviKwik, Sandpaper, Pen, Pencil, Eraser, Sharpener, Scale should be provided in the kit along with instruction Manual.	1

Sl. No.	Item name	Specification	Qty
201.	Aerospace DIY Rocket kit	Body tube :Length of Rocket body tube should be 12.7 cm and outer diameter should be 25.12mm Nose cone :Hight of Rocket Nose should be 65.76mm and outer diameter of base should be 30.19mm Fins :Hight of Rocket Fin should be 40.28mm and diagonal base length should 94.325mm end to end of each and diameter of base should be 30.19mm Feeding tube : Feeding tube length should be 21cm and outer diameter should be 21.45mm Epoxy_01 : epoxy_01 Epoxy_02 : epoxy_02 Spacer rod : Spacer Rode length should be 30cm and Diameter should 2.85mm Rocket_fuel _01 and Rocket_fuel _02 : Rocket_fuel _01 should be 65gm and Rocket_fuel _02 should be 35gm 18650 Li-ion 2500mAh : 1 Pair of 18650 Li-ion battery with 2500mAh each 18650 Battery Holder – 2 CELL : Standard 18650 battery holder 14/36 PVC copper DC wire 0.4mm : Ignitor wire length should be 6meter (3meter x 2) and thinkness of conductor should be 0.4mm Jumper wire for fuse : Regular jumper wire for fuse wire Paper tape small : Regular paper tape small Red Self-Locking Round Plastic Push Button Switch : Red 12MM 2PIN Self-Locking Round Plastic Push Button Switch Wooden spoon : Regular wooden spoon	10
202.	Model of rock set	Collection of different rock types used in teaching geology.	1
203.	Model of mineral set	Set of common minerals used to teach about Earth's materials	1
204.	Model of metal set	Samples of different metals for educational purposes.	1
205.	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.	10
206.	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.	4
207.	5 x 1 brick	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.	5
208.	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.	5

Sl. No.	Item name	Specification	Qty
209.	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.	5
210.	Dissembling tool	90 x 15 x 15 mm dissembling tool. Compatible for 2 piece connector and T connectors	1
211.	High speed motor	Magnetic Micro Coreless Motor of diameter 8mm and height 20mm.	4
212.	Propellers	Set of 4 propellers (2 for clockwise and 2 for anticlockwise rotation) All propellers should be made of high quality ABS material and should be of size 55 mm in length and 7mm in width.	4
213.	Flight controller	Controller should be based on ESP 12F with 32 bit arm Cortex M4 Frequency: 72MHz Flash: 256kb Input voltage: 2.8 - 5.5 v Current rating: 2A On board sensors: accelerometer, Magnetometer, barometer Should have slots to connect motors The controller should be reprogrammable using block based software and text type software.	1
214.	Motor holder	Holder for High-speed motor so size 10mm diameter and 13 mm length. The holder should even be compatible with other ABS parts.	4
215.	Drone frame	Drone base frame of size 67 x 67 mm. the frame should have holes to easily mount Flight controller with screws.	1
216.	Battery	600 mah LiPo battery with connector	1
217.	Proptool	Metal prop tool to dismental the propellers	1
218.	Propeller gaurds	Plastic propeller guards compatible with the propeller	4
219.	Gardening tool box	storage case box to store gardening tools	2
220.	Spray Bottle	Material: Polyvinyl Chloride (PVC) Capacity: 500 Milliliters	2
221.	Hand Cultivator	Material: Steel Package Contents: 1-Piece Cultivator Easy to use Light weight Fixed plastic handle	2
222.	Shovel	Scoop Width: 18 Inches Scoop Height: 13.5 Inches Overall Length: 43.75 Inches Grip Width: 5-6 Inches Blade Material: Iron	2
223.	Patikil small	Material: Carbon Steel Overall Length: 330 mm / 11.4 inch	2
224.	Patikil big	Material: Carbon Steel Overall Length: 290 mm / 11.4 inch Spade Dimensions: 150 x 82 mm / 5.9 x 3.2 inch (L*W) Handle Dimensions: 135 x 28 mm / 5.3 x 1.1 inch (L*W)	2
225.	Rake	Item Weight: 0.19 Kilograms Grip Material: Plastic Head Material: Alloy Steel	2

Sl. No.	Item name	Specification	Qty
226.	Scissors	Type: Manual Cutter Type: Bypass Head Material: Carbon Steel Handle Material: ABS Plastic	2
227.	Pruner & Shears	capacity: 3/4 inch diamater Grip Material: Plastic Style: Classic Blade Material: Alloy Steel	2
228.	Plastic Handle Garden Shovel	Handle: Plastic Size: 14cm X 8.5cm (L X W) Finishing: Paint Coated Usage/Application: Garden Made From: Iron	2
229.	Agri-tech Kit	16mm main supply line pipe 30 Meters 4mm feeder line pipe 40 Meters Drip emitters 100 Feeder to main supply line connectors 100 Emitter Stakes 100 Dummy 20 Elbow connector 10 T connector 10 Staright connector with tap 10 Staright connector 10 Universal wwater tap adapter 1 End cap 10 Drip hole punch 1 Grapical installation manual 1	1
230.	Seeds of different type	45 different types of seeds and vegitable.	1
231.	Fire Extinguisher	Powder Type Fire Extinguisher 2KG	1
232.	Standard first aid kit	Standard First aid kit portable container	2
233.	Safety goggles	Polycarbonate Safety Goggles Clear lens with no tint	6
234.	Safety Gloves Pairs	Latex Coating Gloves (Medium Size)	1
235.	Safety Mask	Standard safety mask.	6

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

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) with factory registration no. ---------- 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.