

BID DOCUMENT

NATIONAL COMPETITIVE BIDDING

SELECTION OF SYSTEM INTEGRATOR FOR
“DESIGN, SUPPLY & INSTALLATION OF SCIENCE
CENTER IN GOVT. SCHOOLS ALONG WITH THE
IMPLEMENTATION OF AWARENESS PROGRAMS
AND CAPACITY BUILDING OF SCHOOL TEACHERS”.

TENDER NO.: EdCIL/DES/SCAP/2024
dated 07.06.2024.



Education • Innovation • Transformation

EdCIL (India) Limited

A Govt. of India Category-I Mini Ratna CPSE

EdCIL House, Plot No. 18A, Sector 16A,

Noida-201301 (U.P.) India

Tel: 0120 – 2512001-006, FAX: 0120-2515372

Reg. Office: 5th Floor, Vijaya Building 17,

Barakhamba Road, New Delhi-110001

CIN No. U74899DL1981GOI011882

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 EdCIL (India) Limited 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 EdCIL 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 EdCIL 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 EdCIL, 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 EdCIL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

EdCIL, 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.

EdCIL 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. EdCIL 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 EdCIL is bound to select a Bidder or to appoint the Selected Bidder, as the case may be, for the Project and EdCIL 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 EdCIL, 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 EdCIL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the BID, regardless of the conduct or outcome of the Bidding Process.

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**Notice Inviting Tender
(e-Tendering mode)
EdCIL (INDIA) LIMITED
(A Govt. of India Mini Ratna CATEOGRY-I CPSE)
SECTOR 16A, NOIDA**

N.I.T. No.: EdCIL/DES/SCAP/2024

Date: 07.06.2024

Name of work	Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers”.
The Currency in which payment shall be made	Indian Rupees (INR)
Date of Issue/Publishing	07.06.2024
Pre-Bid Submission	11.06.2024 till 17:00 Hrs
Pre-Bid meeting	12.06.2024 at 11:30 Hrs
Last Date and Time for receipts of Bids	21.06.2024 till 16:00 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	21.06.2024 till 16:30 Hrs
Earnest Money Deposit	Rs. 8,50,000/- in form of Bank Guarantee / Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted. In case EMD is submitted in the form of BG, the BG should be valid till 45 days after the bid validity date, as per Annexure-X . The list of bank from where the EMD is acceptable is placed at annexure XV.
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-XI
Email Address	ninadpatil@edcil.co.in, destenders@edcil.co.in
Corporate Office	EdCIL House, 18-A, Sector 16A, Film City, Noida, Uttar Pradesh 201301

CHAPTER- I

Offline and Online Bid Submission Documents

1.1 Offline Submissions:

The bidder is requested to submit the hardcopy of the below mentioned documents in a Sealed Envelope and the hardware equipments to the following address before the start of Public Online Tender Opening Event.

Address: Plot No. 18A, EdCIL House, Sector 16A, Film city, Noida-201301

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

- I. Original copy of the EMD Security in the form of Demand Draft/BG.
- II. Original Power of Attorney / Board Resolution Copy on a non-judicial stamp paper

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

1.2 Online Submissions:

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

Envelope – 1 (Following documents to be provided as single PDF file) (File Size should be less than 5 mb)			
Sl. No.	Documents	Content	File Types
1.	Technical Bid	Technical Compliance Sheet as per Annexure-I	.PDF
2.		Declaration Sheet as per Annexure-II	.PDF
3.		Letter of Undertaking as per Annexure-III	.PDF
4.		Undertaking of Non-Blacklisting as per Annexure-IV	.PDF
5.		Financial Statement as per Annexure-V	.PDF
6.		List of Orders Completed for Govt. Organization/Autonomous Institutes/ Private Institutes in India as per Annexure VI	.PDF

7.		Manufacturer Authorization Form as per Annexure VII	.PDF
8.		Power of Attorney as per Annexure VIII	.PDF
9.		Letter of Bid Submission as per Annexure IX	.PDF
10.		Bank Guarantee towards Bid Security (EMD) as per Annexure X	.PDF
11.		Performance Bank Guarantee Format Annexure XI	.PDF
12.		Performa pre contract integrity pact as per Annexure XII	.PDF
13.		Equipment Specification Compliance as per Annexure- XVI	
14.		Performa for declaration on proceedings under insolvency and bankruptcy code, 2016 Annexure-XVIII	.PDF
15.	Financial Bid	Financial Bid Submission form along with Form 1 and price break up sheet	.PDF

Note: Technical Bid should not contain any financial terms and pricing.

CHAPTER-II

Term of Reference & Definitions

Term	Definition
Supplier	“Supplier” means any company responding to the “Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers” who has successfully qualified the bid.
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 fulfills 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 EdCIL (India) Limited/ end client.
EdCIL/ Purchaser	“EdCIL/ Purchaser” shall mean EdCIL (India) Limited.

Instructions for e-Tendering

Instructions for Online Bid Submission:

- E-tendering is new technology for conducting public procurement in a transparent and secured manner. As per Government of India's directives, EdCIL (India) Limited has adopted E-tendering.
- 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 <http://www.tenderwizard.com/EDCIL>.
- The bidders are required to submit soft copies of their bids electronically on <http://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.
- 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 <http://www.tenderwizard.com/EDCIL>. Both Technical Bid and Financial Bid will be submitted concurrently duly digitally signed in the website <http://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.
- All Corrigendum/Amendment/Corrections, if any, will be published on the website <http://www.tenderwizard.com/EDCIL> as well as on EdCIL's website.
- 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.
- It is mandatory for the bidders to get their firm/company 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. 2000/-
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(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.

- Participant shall safely keep their User ID and password, which will be issued by the service provider i.e. KEONICS Ltd. upon registration, and which is necessary for e-tendering.
- Bidders are advised to change the password immediately on receipt of activation mail.
- 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.
- Submit your tender well in advance by relevant documents along with copy of EMD of tender submission deadline on Tender Wizard E-Tendering

Portal <http://www.tenderwizard.com/EDCIL>, as there could be last minute problems due to internet timeout, breakdown, etc.

- Tenders should be submitted only through Tender Wizard E-Tendering Portal and obtain the Tender Acknowledgement copy as a proof of successful submission.
- Vendors are requested to contact at Tender wizard Helpdesk for any information regarding E-tendering / training.
 - For online registration, intended bidders may write us at harishkumar.kb@etenderwizard.com or contact no. 080-40482100/9964074577/9650520101.
 - For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender please contact Tender wizard Helpdesk.
 - Telephone: 080-40482100/9650520101/9964074577 or write us mail on EmailId:- harishkumar.kb@etenderwizard.com, ratana.thakur@etenderwizard.com, varun.b@etenderwizard.com.

PREPARATION OF BIDS

- Bidder should take into account any corrigendum/addendum published on the portal before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents-including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, they can be in PDF format. Bid documents may be scanned with 100dpi with black and white option.

SUBMISSION OF BIDS

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

- 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.
- 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.

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.

Telephone/ Mobile/ E-mail ID	<p>Vendors Training Program: Vendors are requested to contact at Tender wizard Helpdesk Office for any information regarding E-tendering / training.</p> <p>a) For online registration, intended bidders may write us at harishkumar.kb@etenderwizard.com or contact no. 080-40482100/9964074577/9650520101.</p> <p>b) For any further query related to Training Session, Tender Uploading/downloading or any other query related to tender please contact Tender wizard Helpdesk.</p> <p>Telephone: 080-40482100/9650520101/9964074577 or write us mail on Email:Id:- harishkumar.kb@etenderwizard.com, ratat.thakur@etenderwizard.com, varun.b@etenderwizard.com & cc to: destenders@edcil.co.in</p>
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Offline Submissions: (AS PER TENDER REQUIREMENT)

The bidder is requested to submit documents as per tender requirement.

MINIMUM REQUIREMENTS AT BIDDER’S END

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

CHAPTER-III

INSTRUCTION TO BIDDERS

4.1 Due date:

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

4.2 Preparation of Bids:

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

4.3 Language of Proposal:

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

4.4 Cost of Bidding:

The bidder shall bear all costs associated with the preparation and submission of its bid, including cost of presentation for the purposes of clarification of the bid, if so desired by the client and client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

The bidder is expected to carefully examine all instructions, forms, terms and specifications in the bid document. Failure to furnish all information required in the bid document or submission of a bid not substantially responsive to the bid document in every respect will be at the firm's risk and may result in the rejection of the bid.

4.5 EMD:

The Bidder should submit EMD through Demand Draft drawn in favor of "EdCIL (India) Limited" payable at NOIDA. The Bid sent without EMD would be considered as UNRESPONSIVE and will not be considered.

In case EMD is submitted in the form of BG, the BG should be valid till 45 days after the bid validity date, as per Annexure-X. The list of bank is detailed in Annexure XV.

The bidder should enclose EMD of Rs. 8,50,000/- in the form of Bank Guarantee/ Demand Draft drawn in favor of EdCIL (India) Limited and payable at NOIDA, with the Technical Bid. The list of bank from where the EMD is acceptable is placed at annexure XV.

Note: 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 of value not less than 5 Crore issued not earlier than 3 months from the last date of bid submission.

4.6 Refund of EMD:

- I. The EMD will be returned to unsuccessful Bidder(s) after the award of the work order to the successful bidder.
- II. 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.
- III. In Case of Successful Bidder, the EMD shall be returned after submission of 3% Performance Bank Guarantee from the list of banks detailed in Annexure XV.

4.7 Acceptance/ Rejection of bids:

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

4.9 Amendment in Tender Document

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 company, modify the Bid Document by an amendment. The amendment will be notified on EdCIL's website and will be binding.

CHAPTER-IV

SCOPE OF WORK

1. SCOPE OF WORK OF SCIENCE CENTRE TO BE UNDERTAKEN BY THE SUCCESSFUL BIDDER:

The scope of work primarily focuses on Implementation of **Science Centre** in the selected government schools, which includes procurement, supply, installation, commission, operation & maintenance support of **Science Centre** for a period of TWO (02) Year which includes two (02) Year Warranty Support Period from the date of Final Acceptance Test (FAT) of the Project

1. Design, Supply, installation, commission and maintenance of **Science Centre**.
2. Site survey & feasibility is to be undertaken for identification of the classrooms at each school for the establishment of Labs at respective site in our format.
3. The product specifications are mentioned in the tender document. Successful bidder should supply products in order to comply the requirement. All the software/hardware required to meet the required functionalities should be supplied by the Successful bidder.
4. Configuration & Setup of Labs including hardware and software.
5. Successful bidder shall ensure the safe delivery of the equipment up to the designated place of installation.
6. Testing of all the equipment commissioned and ensuring proper functioning at all levels.
7. Training of teachers for the operations of science centre will be conducted at the district level and School level. The Successful bidder shall provide the study material for students. The successful bidder is required to submit the attendance sheet, feedback form and acknowledgment of the teachers.
8. The proposed solution should have latest technology features and standards.
9. Successful bidder will deploy the entire IT Infrastructure, Equipment with its associated software and is responsible for entire Operation & Management Support of the project during the contract period for 2 year.
10. However, the school's premises upkeep, safety and the electrical maintenance will be the responsibility of the school authorities.
11. The Successful bidder is responsible to maintain documentation on the progress of the project and will have to update the same on fortnightly basis to EdCIL team.
12. The Successful bidder has to supply content for Science centre Lab equipment's,
13. The Successful bidder has to provide the Helpdesk and onsite support for repair and maintenance of Labs hardware and software.

2. TECHNICAL SPECIFICATIONS

Name	Description	Type	Quantity
Mini Hacksaw Frame	Size: 6 inches	Equipment	1
Mini Hacksaw blades	Size: 6 inches	Consumable	10

Hacksaw	Size: 12 inches	Equipment	1
Extra hacksaw blades	Size: 12 inches	Consumable	10
Pliers: 4.5-inch size	External Straight	Equipment	1
	Nose Circlip Plier		1
	Long Nose Plier		1
	Combination Mini Plier		1
	Wire stripping pliers		1
	Bent nose plier		1
Tweezer Set	6 Pc Non-Magnetic Tweezer Set	Equipment	2
	Size - 6 inches		
Ball Pein Hammer	Ball Pein Hammer Weight - 0.75kg	Equipment	1
Steel Shaft Claw Hammer	Claw Hammer Steel Shaft Weight - 0.75kg	Equipment	1
C-Clamp	Metal Clamp: 3-inch size	Equipment	4
Allen Key Set	10 Piece Ring Imperial Allen Hex key	Equipment	1
Drill Machine Set	Drill Machine with accessories Hammer/Screw and clockwise/anticlockwise modes.	Equipment	1
	Power: 500W		
	Chuck capacity - 1 to 10 mm		
Drilling Workstation	Drill Press, Drill Holder and Rotary Tool, Compatible with Drilling	Equipment	1
	machine provided		
Spanner Set	12-piece combination Spanner Set	Equipment	1
	Range - 4 mm to 30 mm		
Wire Strippers	Wire Stripper Cutter Plier	Equipment	5
	With Spring -26x6x20 cm (LxWxH)		
Vice Normal	Table top vice	Equipment	1
Screwdriver	40 pc multi-purpose screwdriver set	Equipment	3
Adjustable Universal Multi Wrench Spanner	Adjustable Universal Wrench	Equipment	2
Cordless Rotary Multitool Set	Cordless Rotary multitool with all cutting, grinding, polishing, engraving and drill bits.	Equipment	1
	Speed: Adjustable up to 30000 RPM		
	Battery Type: Li-ion Voltage/current range: 8-10V, 0-2 A		
Air Blower	500 W or more. Variable speed blower	Equipment	1
Drill Bit Set	High Quality 13 Pcs HSS Drill Bits Set for Wood, Iron, Aluminium, Plastic etc.	Equipment	1
File set	6 pc file set Working length - 6 inch	Equipment	1
Mini File set	6 pc mini file set Working length - 3 inch	Equipment	1
Flexible Cutting Mat	A3 Size with Marked Pattern and Grids (18" X 12")	Equipment	1
Plastic Storage Drawer/Organiser	Number of Drawers: 60 or equivalent	Equipment	2
	Drawer size (l*w*d) (inch): 2*2*5		
Pegboard	Peg board System to mount tools on wall with attachments. (Size: 3ft*2ft)	Equipment	2
Hot glue gun	Works with standard 0.5- inch glue sticks.	Equipment	5

	Temperature - 230 to 280 degree Celsius.		
Digital Oscilloscope	Minimum Bandwidth: 50 Mhz.	Equipment	1
	Minimum number of channels: 2 channels.		
	Sample Rate: 1Gsa/s with inbuilt waveform function generator.		
Soldering Kit	Variable Wattage of Soldering Iron: 15-30 watts/230 volts	Equipment	5
	Soldering Iron Temperature Range: 280°C to 450°C		
	De-Soldering Pump, Soldering Flux (Paste) 100 grams,		
	DE-soldering Copper Braid (Solder Wick) - 1.5m*2mm		
	Compatible Soldering Tip		
	- Bevel, Chisel, Conical - 5 each per kit.		
	Soldering Wire: 20/22 AWG soldering Wire with rosin core flux (100 Grams)		
Adapters	DC power Adapter with 5V, 2A	Equipment	10
Adapters	DC power Adapter with 12V, 2A	Equipment	10
Electric Screw Driver Set	Multipurpose Electric screwdriver set.	Equipment	1
	Accessories - Compatible bits		
	Mode - Wireless Battery - Li-ion 3.6V or equivalent with charging dock		
Dual Temperature Heat Gun	1800 W Dual Temperature Heat Gun	Equipment	1
Soldering Helping hand	Adjustable crocodile holding clamps/clip. Soldering iron holder. LED light, Magnifying lens.	Equipment	4
Return measuring tape	Return measuring tape 5Mx19mm	Equipment	2
Stainless Steel Rule	Stainless Steel 12" /150 mm Rule	Equipment	5
Digital Vernier Calliper	150 mm / 6" Digital Vernier Calliper	Equipment	2
Spirit Level	12" Spirit Level	Equipment	1
Digital Pen electric Tester	Voltage tester	Equipment	1
Digital Multi Meter	Digital Multi Meter Voltage Current Resistance-7 functions + 19 ranges to cover DC	Equipment	5
	voltage 200mV to 1kV,		
	AC voltage 200 V - 750 V,		
	DC current 200 µA - 10 A		
	Resistance 200 -2 M Ohm and Transistor & diode test.		
DIY Paper Microscope	DIY Paper microscope. Magnification range -	Equipment	5
	100x to 2000x		
Telescope	All glass optical components	Equipment	1
	Altazimuth mount suitable for terrestrial and astronomical use		
	minimum 700 mm focal length		
Sewing Kit	Semi-Automatic Sewing machine	Equipment	1
	Straight stitch		

	Consumables - 2 set of assorted needles and 10-colour spool set.		
Glue Sticks	11 mm x 200mm Hot Melt Glue Stick	Consumable	100
Nuts and Bolts and screw	Specs - M4X12MM M4X20MM M5X16MM M5X25MM M6X20MM	Consumable	40
Cable Tie	Small Cable Tie Pack - Pack of 100	Consumable	10
	Medium Cable Tie Pack - Pack of 100		10
	Big Cable Tie Pack - Pack of 100		10
Sand Paper	Grit Values - 80, 100, 120, 200, 300. 5 Nos of each	Consumable	10
Power Strip Adaptors	Standard Quality Extension with 5Amp safety fuse.	Consumable	5
	5 or more sockets in each extension.		
	5-meter length of each extension.		
Bulb Holders	Regular Hanging Bulb holder	Consumable	10
Electric Wires	Twisted Red black pair	Consumable	20
USB TO DC jack cable	USB to DC jack cable for Battery bank	Consumable	10
First-Aid Kit	Standard Medical First Aid kit in portable container.	Consumable	2
Fire extinguisher (handy units)	Powder Type Fire Extinguisher 2KG	Consumable	2
Safety goggles (with/ without LED torch)	Polycarbonate Safety goggles	Consumable	30
	Clear lens with no tint		
Safety Gloves Pairs	Latex Coating Gloves (Medium Size)	Consumable	10
Safety Mask	Filtering efficiency ranging 80 percent when tested against 0.3-micron sodium chloride particle	Consumable	20
Gear Box	This course makes it easier for children to understand the basics of Physics. The concepts that they learn helps them throughout their learning process in science concepts. Children build complex machines and mechanisms and see the advantage of one over the other. Moreover, they develop tremendous creator confidence in imagining and executing the output of their machine.	Equipment	10
Flame sensor	Flame sensor module	Consumable	4
Smart Circuit	The Smart Circuit kit contains more than 50 DIY (Do It Yourself) projects with more than 40 interactive simulations and 10 real-world model templates and a colourful user manual with its easy-to-follow instructions, smart electronics kit gives a hands-on education in how electrical circuits work to run the everyday devices that they're familiar with. They'll also gain valuable lessons in building circuit design.	Equipment	10
	This kit contains more than 12 electronic components, more than 30 magnetic blocks as well as more than 40 accessories for real model building along with dual power (USB + DC) which		

	can be used to create many projects also no soldering is required.		
Nuclear Reactor model	- The model shows demonstration working of nuclear power plant	Equipment	1
	- It uses lights running effect to show the process		
	- 30 x 23 x 4.5 cm; 1 Kilograms		
	- Battery: 1 x 9V (Included)		
Inorganic / Organic Chemistry Molecular Models	- Material: PP Plastic	Equipment	1
	- Total number of pieces: 151		
	- Diameter for the balls: 23mm		
	- With Box & Includes Manual		
	- Kit Content: 24 hydrogens, 14 carbon, 8 oxygen, 3 nitrogens, 2 sulphur, 2 phosphorus, 6 halogens, 8 metal, 4 brown, 3 lone pair 2D paddles (beige) Links: 40 medium (grey), 6 medium (purple), 16 long flexible (grey).		
Robotics DIY Kit	This kit is reprogrammable & offers opportunity to explore the world of IoT and cloud computing and different network protocols. The controller should be having 32-bit word length with capability of network communication with in built 802.11 b/g/n. The kit also includes Chassis fibre, Bo motor, wheel, micro controller, connecting wires, Motor driver, IR sensor module, Bluetooth module, ultrasonic sensor, battery rechargeable, connectors, screw driver.	Equipment	3
Laser ray optics kit	An exciting way to learn about optics by building and exploring common optical systems.	Equipment	1
Law of resistance kit	To verify the laws of combination.	Equipment	1
Transformer kit	Transformers are electrical devices that transfer energy from one circuit to another using no moving parts. They are commonly used to change voltages to useful levels and are integral to many household appliances.	Equipment	1
Set of polarizers	Polarizers are used in many optical techniques and instruments, and polarizing filters find applications in photography and LCD technology.	Equipment	1
Wave demonstrator	The Wave Motion Demonstrator (WMD) uses mechanical waves to illustrate many of the properties and behaviours common to various types of waves.	Equipment	1
Electric Motor Catalyst Kit	Mechanical tinkering kit for learning by doing. The kit components are Real wood, real motors, real hardware.	Equipment	4
	Comes with a deck of 10 inspirational challenge cards; no training, special skills, computer or smartphone required.		
	Using this kit, students must able to do following activities.		
	1. Create something that can make a loud Noise		

	2. Invent a tool that can cut a piece of paper by itself		
	3. Build a machine that draws curvy lines 4. Make a ride for one of your toys		
	5. Create something that moves in a straight line		
	6. Build a creature with spinning arm		
	7. Make a machine that can scramble an egg		
	8. Invent a robot that can move without wheels		
	9. Build something that can launch a wheel across the room		
	10. Create a vehicle with a suspension system		
Robotics Learning Kit	construction set with more than 50+ different component made in plastic with multiple sensors, brain unit and booklet for student to perform practical. It should have motor with transparent gear box.	Equipment	1
Atomic Model Set	Atomic Model Set	Equipment	2
Digital pH meter	- Measuring range: 0.00-14.00 pH - Resolution: 0.01 pH - Accuracy: 0.01 pH - Batteries: 2 X 1.5V LR44 (included) - Automatic temperature compensation: 0-50°C (32-122°F) - Dimensions: 15.3x2.9x1.6cm/6.1x1.3x0.6 inches - Net Weight: 52g	Equipment	1
Periodic Table Chart (Laminated)	Periodic Table Chart (Laminated)	Equipment	1
3d Model Cube & Square	3d Model Cube & Square	Equipment	1
3D Solid Model Cube, Cuboid, Cone, Cylinder, Prism, Pyramid Sphere	3D Solid Model Cube, Cuboid, Cone, Cylinder, Prism, Pyramid Sphere	Equipment	1
Compound Microscope	Compound Microscope	Equipment	1
3D Model of Human Heart	3D Model of Human Heart	Equipment	1
3D Model of Human System (Set of 5) (Circulatory, Respiratory, Nervous, Digestive, Reproductive)	3D Model of Human System (Set of 5) (Circulatory, Respiratory, Nervous, Digestive, Reproductive)	Equipment	1
3D Model of DNA	3D Model of DNA	Equipment	1
Bio-gas Plant model	- The model shows demonstration working of bio-gas plant - Biogas can be produced from raw materials such as agricultural waste, manure, municipal	Equipment	1

	<p>waste, plant material, sewage, green waste or food waste. Biogas is a renewable energy source. It can also be used in a gas engine to convert the energy in the gas into electricity and heat.</p> <p>- HOW IT WORKS: Biogas systems make use of a relatively simple, well-known, and mature technology. The main part of a biogas system is a large tank, or digester. Inside this tank, bacteria convert organic waste into methane gas through the process of anaerobic digestion.</p> <p>- 30 x 23 x 4.5 cm; 1 Kilograms</p> <p>- Battery: 1 x 9V (Included)</p>		
Area of Parallelogram	Area of Parallelogram	Equipment	1
Atomic Structure Model	<p>- Circular Atomic structure model with 30 proton, 30 neutron, and 30 electron pieces.</p> <p>- Atom Model allows students to use their hands, touch, feel, make their own atoms, isotopes or ions and learn the concepts in an interesting and easy manner. Model a single atom with the top.</p> <p>- Atom model with magnetic subatomic particle pieces demonstrates atoms, isotopes, and ions for students studying chemistry concepts.</p> <p>- Plastic for durability and ease of cleaning</p> <p>- Storage - Plastic Box</p> <p>- Dimension - 24 x 36 x 7 cm</p>	Equipment	1
Day & Night Model	Day & Night Model	Equipment	1
Electroplating Machine Working Model	<p>- Kit for making a miniature electroplating unit to see:</p> <p>1. Copper deposition on iron nail</p> <p>2. Real life application of electroplating</p> <p>With the help of this hands-on kit, assimilate an elementary understanding of the Chemical effects of Electric Current.</p> <p>With this kit, kids will create their own battery with the help of water, salt (thus acting as an electrolyte) and two diodes to light a bulb!</p> <p>Next, kids will learn about the effect of electroplating: the deposition of one diode's metal on the other!</p> <p>With the help of an apparatus similar to the first experiment, use Copper Sulphate in water as an electrolyte, and connect all kinds of objects in the place of the cathode: use an iron nail, wooden stick, iron sheet and aluminium sheet and sit back and observe the fascinating chemical reaction that occurs!</p>	Equipment	1
Faraday Law	Faraday Law	Equipment	1
Inclinometer	<p>- Inclinometer Protractor Tilt Level Meter Angle Finder Clinometer with Magnetic Base</p> <p>- Easy And convenient to use</p>	Equipment	2

	- Measures angles accurately and quickly from 0-90 degrees in any quadrant		
	- Accuracy within 1/2 of 1 degree		
	- Magnetic base for mounting on steel framing square or Pipe		
	- Package Dimensions: 10 x 10 x 6 cm; 100 Grams		
Joint (Set of 6)	Joint (Set of 6)	Equipment	1
Kaleidoscope	Kaleidoscope	Equipment	1
Law of Inertia	Law of Inertia	Equipment	1
Lazy Tube	Lazy Tube	Equipment	1
Maxwell Wheel	Maxwell Wheel	Equipment	1
Mechanism of Breathing	Mechanism of Breathing	Equipment	1
Newton 1st Law	Newton 1st Law	Equipment	1
Newton 2nd Law	Newton 2nd Law	Equipment	1
Newton Cradle	Newton Cradle	Equipment	1
Fleming Left Hand Rule	Fleming Left Hand Rule	Equipment	1
Fleming Right Hand Rule	Fleming Right Hand Rule	Equipment	1
Periodic Table	Periodic Table	Equipment	1
Periscope	Periscope	Equipment	1
Phases of Moon	Phases of Moon	Equipment	1
Pythagoras Theorem By Reverse Method	- Colour: Yellow & Red - Material: Plastic - Size: 15 x 15 cm	Equipment	1
Plant Cell	Plant Cell	Equipment	1
Square of Numbers power of 2 board	- Square of Numbers power of 2 board mathematics kit learning resources kit geoboard manipulative - Size 25x25 cm plastic (Multicolour)	Equipment	2
Algebra Case Kit	Colour: Yellow red Length: 41 cm Width: 41 cm Type: Case kit Brand:	Equipment	1
Resonance	Resonance	Equipment	1
Mensuration Kit	- Set of 11 demo activity kit - Understanding geometric figures and their parameters like length, volume, shape, surface area, lateral surface area, etc - Dimension: 40 x 30 x 8 cm - Material: EVA Foam	Equipment	1
Solar System	Solar System	Equipment	1
Solar & Lunar Eclipse	Solar & Lunar Eclipse	Equipment	1
Water Quality Checker Models	- Water Quality Checker Science Working Model for Chemistry to Check Salt Impurities in Water - Product Dimension: 29 x 20 x 2 cm; 250 Grams - Battery: 1 x 9V (Included)	Equipment	1
Wind Mill	Wind Mill	Equipment	1
Triangle Congruence	- Allow children to learn about the classification and congruency of triangles according to sides	Equipment	1

	and angle with the help of this kit. This kit consists of 5 different types of congruent triangles.		
	- Material: EVA Form		
Prism Kit	- 1 x Glass Prism - 1 x Halogen light (Tungsten bulb:10-50 W) with holder	Equipment	2
Drip Irrigation System & Sustainable use of Natural Resources - Gardening Kit	Kit Dimension - 24 x 18 x 7 cm Kit Weight - 0.5 Kg	Equipment	1
	Kit Components -		
	1 x Drip Irrigation Kit for 10 Plants		
	1 x Water Pump - Working Voltage - 12V Power Rating - 3W 1 x HM10 Bluetooth Module		
	2 x 3W Red Power LED 2 x 3W Blue Power LED		
	2 x Light Dependent Resistor 1 x Soil Moisture Sensor Module - 5V Operation 15 x 1/4W 10 ohm Resistor		
	20 x 20cm Male - Male Jumper Cable 20 x 20cm Male - Female Jumper Cable 20 x 20cm Female - Female Jumper Cable pH Paper - 80 Strip Pack 1 x Power Adapter - Voltage Output - 12V Current Rating - 2A		
Human Body Parts and Structure	Material - EVA Foam Colour - Multicolour Dimension - 30 x 25 x 7 cm	Equipment	2
3D Pen	3D Pen with 3 * 1.75MM PLA Filaments 10m Each 3D Printing Pen 3D Pen Set with PLA Filament Included - Ready to Create	Equipment	1
Fun Rocket Launcher	Pipe approximate size of 50 * 1.5 cm dia, 3 pipes each of	Equipment	3
	length 16 - 22 cm depending upon range of product selected,		
	stand of pipe of Rocket Launcher, foam based 3 rockets, air		
	bag (pumping air), helps in understanding concept of		
	pressure and rocket basic working, it can go approximately 10		
	- 12 ft high.		
Solar Car	Chassis for car and solar panel with wheel with motor Package Contains: 1 x Metal Chases	Equipment	1
	Material: Steel (Powder Coated)		
	Features: Up to 75mm (3 inch) Wheels maximum Diameter supported		
DIY Sound speaker	Product Name: Bluetooth Audio Amplifier Board	Equipment	3
	Function type: Amplify audio		
	Supply voltage: DC5V		
	Bluetooth version: 5.0		
	Chip type: PAM8403		
Advance Digital Solar System	Standard	Equipment	1
Safety equipment	Fire extinguisher (handy units) Powder Type Fire Extinguisher 2KG	Consumable	2
Steel Almirah	• Size: 50"H x 30"W x 17 ' Depth	Equipment	1

	<ul style="list-style-type: none"> • The Cup Board should be made of 26G. • CRCA sheet with two door and two fixed shelves. • The pedestal should be of 3" height. 		
Refurbishment of Lab	Asian plastic Paint with High-quality paint more evenly to create a smoother finish in all walls and top with repair of walls with putti and In Electrical fittings 4 power point on walls with 2 socket and one socket for Projector		1
Electronics Development	Battery, Pencil Cell 1.5 V AA	Consumable	40
Electronics Development	Inductor (1 μ H, 10 μ H,50 μ H,100 μ H,10mH (50 each)	Consumable	250
Power Extension Boards	5 Amp and 15 Amp both points in one board (Packed Plastic Body)	Equipment	30
Component Box Organizer	Plastic Boxy with individual boxes for each component	Equipment	2
Electronics Development	Timer IC LMC 555 (Voltage range - 4.5 v to 16 v)	Consumable	30
Branding/Postering	Banners in lab for the Science Centres 4 poster and 3 banners and with safety banners, signage etc		1

3. **WARRANTY & SUPPORT FOR SCIENCE CENTRE LAB:**

1. To provide TWO (02) Year Warranty Support Period from the date of Final Acceptance Test (FAT) of the Project.
2. Selected agency shall ensure the smooth functioning of all the equipment supplied for Emerging Technology Labs during the warranty & support period and to achieve the highest up time on the offered solution.
3. Selected agency shall ensure that the equipment supplied shall not be declared as End of Support / End of Service for a period of 2 year and the software upgrades if any shall be available for at least two years from the date of commissioning of the device.
4. On-site warranty support: Selected agency 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. The selected bidder may be required to white label the products in the name of EdCIL/ client on the case-to-case basis as per the requirement. Further, in case of mass procurement, the selected OEM/bidder has to make arrangements for creation of manufacturing facility in India

4. **TRAINING & HANDHOLDING FOR SCIENCE CENTRE LAB:**

Training & Handholding, Key training requirements are listed below: -

- Conduct training need assessment and prepare a detailed training strategy. Such strategy shall provide training set-up details, training approach and methodology, training plan etc.
- Training Materials, Applications, User Manual and Completion Reports.

- Provide hands-on training on the hardware, software application such that users are conversant with the functionalities, features and processes built in the solution.
- Submit Attendance Record of the Trainers (in Hard copy) along with the session plan for the day.
- Deploy adequate training resources.
- Deployed trainers should be fluent in speaking Hindi, English.
- Ensure training and handholding of the school teachers/headmaster so they can further train the other teachers accordingly.
- Develop a training manual for each of the Labs activity for the teachers which should act as a ready reckoner for reference by the teachers at school level.
- Ensure to train minimum three teachers at each school. Training to the teacher shall be conducted in batches at centralized location or at respective site school.
- Capacity Building of the Teachers for selected schools: 5 days physical training of teachers on training components & hardware equipment's (3 Teachers per School- 1 batch of 30 candidates)

5. SCOPE OF WORK FOR THE IMPLEMENTATION OF AWARENESS CAMPAIGN TO BE UNDERTAKEN BY THE SUCCESSFUL BIDDER:

1. Implementation of awareness programs and capacity building of school teachers in Schools in subjects: AI Coding and EdTech, Industry 4.0 Courses, Upgradation of Skills, and Indigenous Culture.
2. Inspire students to explore the field of AI coding, Machine learning, cybersecurity & indigenous culture fostering their interest, creativity, and problem-solving skills.
3. Increase awareness among students and teachers about the applications and importance of new technologies in various industries and everyday life.
4. Provide students with hands-on experience in AI coding, Machine learning, cybersecurity & indigenous culture through workshops and project-based learning activities.
5. Facilitate the sharing of best practices, resources, and experiences among educators and students within the district.
6. Foster a culture of innovation, collaboration, and lifelong learning in the district's educational community.
7. Recognize and celebrate the achievements of students and teachers who demonstrate excellence in AI coding, Machine learning, cybersecurity & indigenous culture through competitions and awards.
8. Create a sustainable framework for ongoing support and development in mentioned subjects' education beyond the duration of the project.
9. Teacher capacity building, student awareness campaigns and workshops, and sensitization programs on various platform
10. Organize and conduct a series of online training sessions students in each school campus, combining theoretical instruction with practical exercises.
11. Provide LMS/online interface to provide knowledge reference material for trainers/students to refer while delivering training sessions and to educate students on best subject related practices.
12. To effectively sensitize the school teachers Students & other stakeholders, awareness campaigns are required to utilize a multifaceted approach, spanning roadshows and diverse

online and offline media platforms. Roadshows to bring the message directly to stakeholders, fostering face-to-face interactions and engagement to be complemented by a strategic presence across online platforms, leveraging social media, websites, and digital advertising to reach a wider audience and encourage interaction. Simultaneously, offline media platforms such as television, radio, and print media to be utilized to ensure comprehensive coverage and accessibility, catering to diverse demographic segments.

13. Teaching Methodology:

The delivery methodology for the classes will involve a team of trainers delivering content physically & online in the schools. The following key aspects will define the teaching methodology:

- i. **Trainers:** A team of expert trainers/ mentors to be assigned to deliver the mentioned technology content to the schools. These trainers will have expertise in subjects and will be responsible for facilitating the learning process for the students.
- ii. **Training Span:** Based on discussions and considerations, the training program will be structured to span over a period of 10 months. This duration allows for effective learning, practice, and absorption of the coding concepts by the students.
- iii. **Teacher Training:** A separate teacher training program will be conducted in addition to student training. The teacher training program will focus on equipping the teachers with the necessary coding skills. His training will empower the teachers to effectively support and guide the students throughout the coding classes.

14. **Technical Expertise:** Leveraging its technical expertise and industry knowledge, the selected bidder will assist in the development & implementation of specialized content and learning materials tailored to Industry 4.0 concepts and technologies, and software tools, required for delivering practical learning experiences in Industry 4.0 education pertaining to AI Coding and Edtech, Indigenous Culture, upgradation of Skills to school-going students fosters appreciation for diverse traditions, languages, and arts, promoting cultural awareness and preserving heritage for future generations.

15. **Capacity Enhancement:** Conducting capacity-building programs on regular basis (exclusively through offline mode) preferably once in a month at cluster level, for teacher educators, Hols and administrators to enhance their understanding of Industry 4.0 principles and methodologies viz. AI Coding and Edtech, Indigenous Culture, upgradation of Skills, thereby enabling them to support students effectively. Capacity building of school teachers in Jammu & Kashmir for indigenous culture awareness equips them to effectively educate students, instilling pride in heritage and nurturing cultural sensitivity for a harmonious society.

16. **Linkage of the Technical Expertise with Science Centres, STEM Labs and ATL:** The selected bidder will conduct regular trainings/workshops for school teachers and Hols to use their technologically driven knowledge for better use of ATL, STEM Labs and Science Centres and to make these centres as "Centres of Educational excellence.

17. The selected bidder will deploy the entire human resources and associated software and is responsible for entire Operation & Management Support of the project during the contract period for 01 year. However, the school's time-table & teachers mapping & students' alignment will be the responsibility of the school authorities.

18. The selected bidder shall provide detailed implementation plan with deployment of experts for student's awareness in AI and coding equips them with crucial skills for the future, fostering innovation, problem-solving abilities, and preparing them for careers in indigenous

cultures fosters appreciation for diverse traditions, languages and heritage, promoting cultural preservation, understanding and respect within communities.

19. The selected bidder will formulate the module of all trainings / workshops, which will be validated by SCERT, J&K.
20. The selected bidder is responsible to maintain documentation on the progress of the awareness program and will have to update the same on regular basis to EdCIL.
21. **Quality Assurance:** Ensuring the quality and relevance of educational content and resources delivered through continuous feedback mechanisms and periodic reviews, making necessary adjustments as per requirements.
22. **Assessment & Evaluation:** The selected bidder shall ensure written assessment for evaluation of students' knowledge through written tests or quizzes focusing on AI coding principles and indigenous culture topics and submit student created projects for future nurturing of talents. District Level and UT level seminars will be organized for showcasing the outcomes of awareness sessions,
23. **Technology Integration:** Advising on the integration of emerging technologies and digital tools into the curriculum, fostering innovation and preparing students for the evolving demands of the industry.
24. **Progress Reporting:** Providing monthly based reports on the progress of implementation activities, including milestones achieved, challenges encountered, and recommendations for improvement, to facilitate informed decision-making by the Directorate.
25. **Helpdesk And Onsite Support:** The selected bidder shall set up a centralized helpdesk support at Directorate of School Education Jammu and Srinagar office for smooth functioning of program. Ensure deployment of experts at district level for program implementation.
26. The selected bidder will establish Program Management Unit (PMU) at UT Level and to engaged sufficient staff viz Coordinators at District level for smooth execution of the project. All these District coordinators must be resident of JKUT preferably from the same district and should be well versed with the scope of the work of the project.
27. The selected bidder shall carry out the baseline and endline assessments of the students and submit the final closure report.
28. Details of the Awareness Program:
 - **Total Govt. Schools in J&K:** 18,724
 - **No. of Elementary, Secondary and Sr. Secondary Schools:** 9,759
 - **No. of Teacher per School:** 1
 - **Phase 1 (Basic Session shall be carried out for Elementary, Secondary and Sr. Secondary Schools):**
 - 9,759 Teachers shall be trained at cluster level in 742 locations.
 - Batch of 15 to 20 Teachers shall be made.
 - Three days training.
 - **Phase 2 (Intermediatory Session shall be carried out for Secondary and Sr. Secondary Schools):**
 - Roughly 2,500 Teachers shall be trained at zone level in 182 locations.
 - Batch of 15 to 20 Teachers shall be made.
 - Three days training.
 - **Phase 3 (Advanced Session shall be carried out for Sr. Secondary Schools):**

- Roughly 750 Teachers shall be trained at district level in 40 locations.
- Batch of 18 to 20 Teachers shall be made.
- Three days training.

Total Teachers to be trained: 13000 (Approx.)

The above counts are tentative in nature and may increase and decrease as per the requirement from end client/ EdCIL.

Following activities to be carried out by the selected bidder:

1. 20 nodal officers shall be deputed across 20 districts for 8 to 10 months for organizing teacher and students' awareness program.
2. Helpdesk support shall be set up with the capacity of 20 persons (1 person aligned with each district).
3. Student awareness program to be carried out for all students of 9759 Schools in online mode. Teachers can participate also for learning.
4. Road shows (1 per district).
5. District level competition shall be carried out.
6. Project from all the responsive students shall be collected.

DETAILS OF MODULES FOR AWARENESS PROGRAM (Tentative)

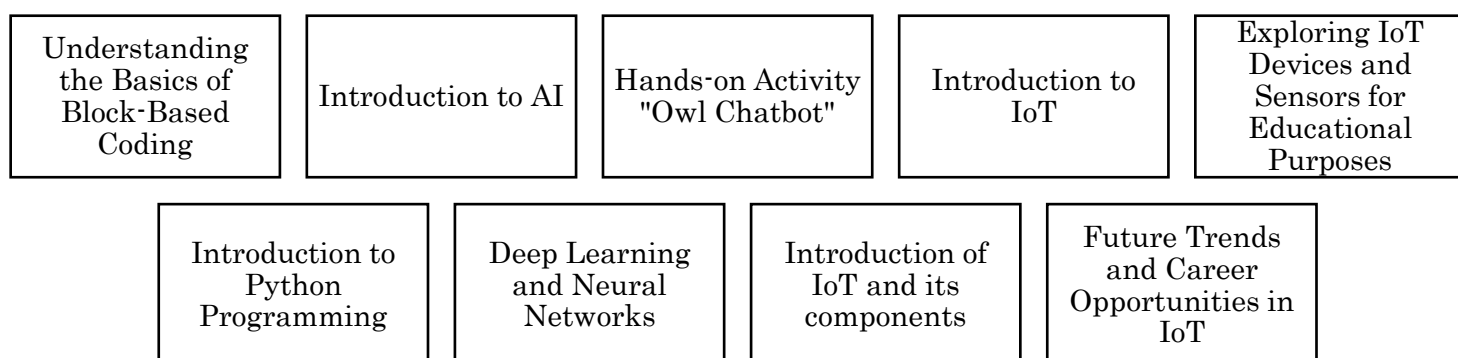
SCHOOL CATEGORY	SUBJECTS	NUMBER OF HOURS	NO OF SESSIONS
Primary School to Higher Secondary School (Grade1- 12th)	<ul style="list-style-type: none"> • Foundational Course of AI • Foundational Course of Coding • Foundational Course of Web Development • Basics of ML • Foundational Course of Indigenous Culture 	12	6
Middle School to Higher Secondary School (Grade 6-12th)	<ul style="list-style-type: none"> • AI <ul style="list-style-type: none"> ❖ Understanding the Basics of Block-Based Coding ❖ Introduction to AI ❖ Hands-on Activity "Owl Chat-bot" ❖ Introduction to IOT ❖ Exploring IOT Devices and Sensors for Educational Purposes 	6	3
	<ul style="list-style-type: none"> • APPLICATION DEVELOPMENT <ul style="list-style-type: none"> ❖ Understanding Mobile Apps and Basic of App Design ❖ Introduction to App Inventor ❖ Exploring App, Themes and Styles ❖ Transitioning to Scratch for App Development 	4	2
	<ul style="list-style-type: none"> • CYBER SECURITY <ul style="list-style-type: none"> ❖ Online Safety Basics ❖ Cyber bullying Awareness & Promoting Ethical Online Behaviour 	1	1

	<ul style="list-style-type: none"> • MACHINE LEARNING <ul style="list-style-type: none"> ❖ Introduction to ML ❖ Applying ML Concepts in Scratch 	2	1
	<ul style="list-style-type: none"> • DATA SCIENCE <ul style="list-style-type: none"> ❖ Overview of Data Science 	1	1
	<ul style="list-style-type: none"> • CLOUD COMPUTING <ul style="list-style-type: none"> ❖ Understanding Cloud Concepts 	2	1
	<ul style="list-style-type: none"> • AR/VR <ul style="list-style-type: none"> ❖ Understanding AR/VR 	1	1
	<ul style="list-style-type: none"> • EMC MODULE <ul style="list-style-type: none"> ❖ Foundational Abilities Secrets of Success ❖ Charms of being Entrepreneurial Understanding the Self ❖ Discovery & Skills ❖ Communication Style ❖ Personality Development 	1.5	1
	<ul style="list-style-type: none"> • INDIGENOUS CULTURE <ul style="list-style-type: none"> ❖ Cultural Heritage ❖ History and Origins ❖ Environmental Knowledge ❖ Inter-cultural Dialogue 	1	1
High School & Higher Secondary (Grade 9-12th)	<ul style="list-style-type: none"> • AI <ul style="list-style-type: none"> ❖ Introduction to Python ❖ Programming ❖ Hands-on activity ❖ Introduction to AI ❖ Deep Learning and Neural Networks ❖ Introduction of IOT and its components 	6	3
	<ul style="list-style-type: none"> • APPLICATION DEVELOPMENT <ul style="list-style-type: none"> ❖ Advanced Mobile App Development Overview ❖ Advanced UI/UX Design for Apps ❖ Hands-on activity ❖ Building a Dynamic To-Do List App 	4	2
	<ul style="list-style-type: none"> • CYBER SECURITY <ul style="list-style-type: none"> ❖ Overview of Cyber security Advanced Password Security ❖ Advanced Social Engineering and Phishing 	1	1
	<ul style="list-style-type: none"> • MACHINE LEARNING <ul style="list-style-type: none"> ❖ Introduction to Machine Learning ❖ Computer Vision and Image Processing 	2	1
	<ul style="list-style-type: none"> • DATA SCIENCE <ul style="list-style-type: none"> ❖ Deep dive in Data Science 	1	1
	<ul style="list-style-type: none"> • CLOUD COMPUTING <ul style="list-style-type: none"> ❖ Advanced Cloud Architecture 	6	3
	<ul style="list-style-type: none"> • AR/VR <ul style="list-style-type: none"> ❖ Exploring AR/VR Technologies 	1	1

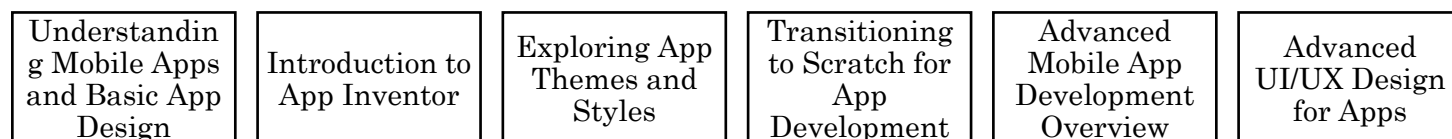
	<ul style="list-style-type: none"> • EMC MODULE <ul style="list-style-type: none"> ❖ Entrepreneurship ❖ Entrepreneurship as Innovation & Problem Solving ❖ Understanding the Market ❖ Leveraging technology for business ❖ How to identify an opportunity for a viable business 	1.5	1
	<ul style="list-style-type: none"> • INDIGENOUS CULTURE <ul style="list-style-type: none"> ❖ Cultural Heritage ❖ History and Origins ❖ Environmental Knowledge ❖ Inter-cultural Dialogue 	1	1

Note: The above and below modules are tentative in nature and may change as per the discretion of Samgra Shiksha, J&K/ SCERT, J&K/ EDCIL during the finalization of modules and its content by Samgra Shiksha, J&K and SCERT, J&K.

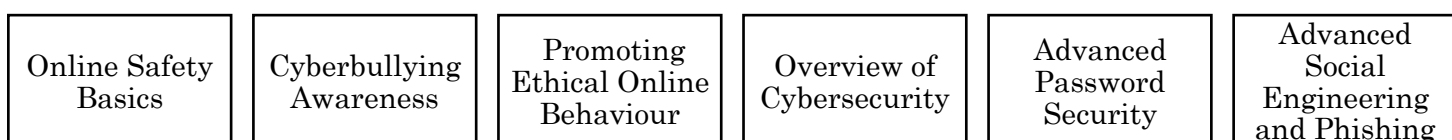
AI CODING



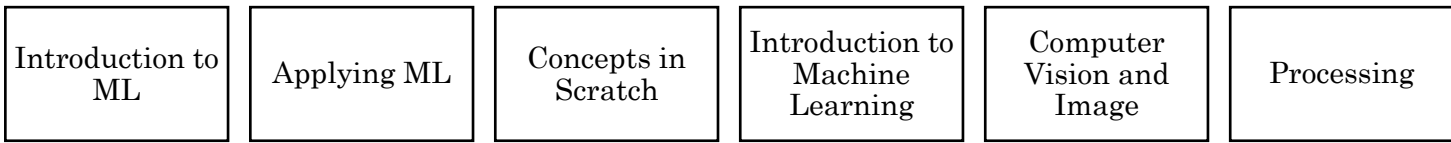
Application Development



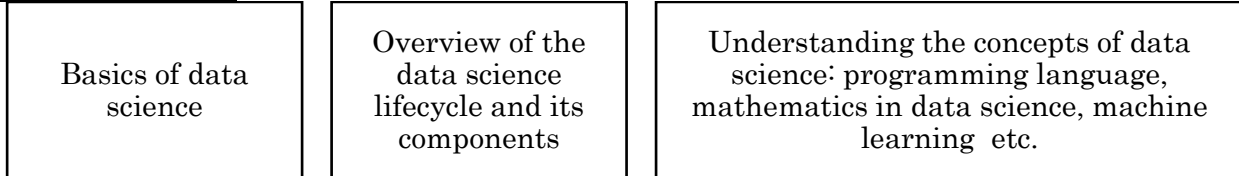
Cyber Security



Machine Learning



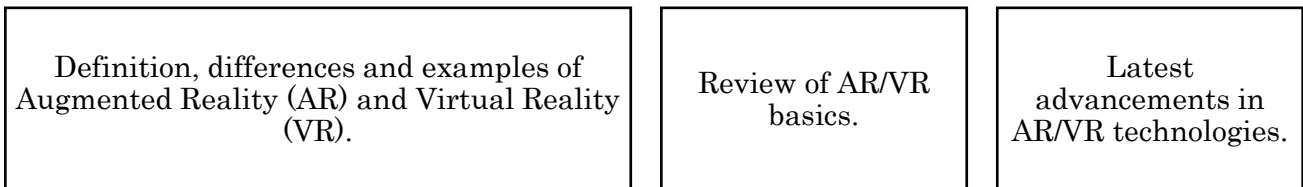
Data Science



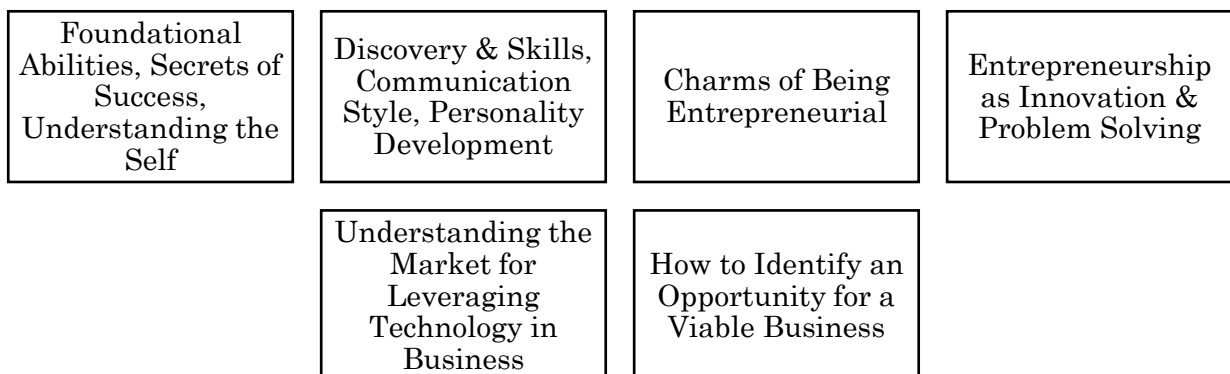
Cloud Computing



AR/VR



Entrepreneur Mindset



Indigenous Culture

Folklore and oral traditions	Cuisine and culinary practices	Rituals and festivals	Sacred sites and pilgrimage routes	Colonial legacies and resistance movements
Indigenous governance structures	Cultural revitalization movements	Climate change adaptation strategies	Sustainable development initiatives	Indigenous perspectives on land rights and conservation
Indigenous art forms and craftsmanship	Traditional healing practices and herbal medicine	Indigenous knowledge systems in agriculture and horticulture	Gender roles and identity in indigenous societies	Impact of globalization on indigenous languages and dialects

6. TRAINING & HANDHOLDING OF AWARENESS CAMPAIGN:

Training & Handholding, Key training requirements are listed below: -

- Conduct training need assessment and prepare a detailed training strategy. Such strategy shall provide training set-up details, training approach and methodology, training plan etc.
- Training Materials, Applications, User Manual and Completion Reports.
- Submit Attendance Record of the Trainers (in Hard copy) along with the session plan for the day.
- Deploy adequate training resources.
- Deployed trainers should be fluent in speaking Hindi, English and Regional Language.
- Ensure training and handholding of the school teachers/headmaster so they can further train the other teachers accordingly.
- Develop a training manual for each of the subject & related activity for the teachers which should act as a ready reckoner for reference by the teachers at school level.
- Ensure to train minimum three teachers at each school. Training to the teacher shall be conducted in batches at centralized location or at respective site school.
- Capacity Building of the Teachers for selected schools: 1-day physical training of teachers (2 Teachers per School- 1 batch of 40 candidates).

7. INSURANCE & TRANSPORTATION:

- The successful 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 on part of the supplier will include taking care of insurance, freight, octroi, state level permits etc. as applicable.
- The supplier should also take care of transit insurance, comprehensive insurance or any other insurance as required which may have direct bearing on 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 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 supplier will keep EdCIL informed about various stages of deliveries & installation.
- All costs related to insurance shall be borne by the successful 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.

8. 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.

9. 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 attached to the purchase order. A team including the representative of the end client would inspect the material if required.
- The successful Bidder shall facilitate and make available a random 20% sample of each equipment type being supplied by them for a Pre-dispatch Inspection (PDI) by a committee comprising of EdCIL and end client. The PDI will be a key requirement prior to shipment of the equipment. As part of the preparation for PDI, the successful Bidder will provide to EdCIL PDI preparation report.
- 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 equipment's. Only the line item certified by the EdCIL official should be dispatched to the end client.
- If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, unmerchantable or not in accordance with the description/specification or otherwise faulty, the EdCIL official or the official from end client (if required) will have the right to reject the equipment or its part. All damaged or unapproved goods should be returned at suppliers cost and risk and the incidental expenses incurred thereon should be recovered from the supplier.
- In the event of the hardware and software failing to pass the PDI, as per the specifications given, a period not exceeding 3 calendar days will be given to the successful Bidder to rectify the failure and clear the inspection, failing which, EdCIL reserves the right to cancel the Purchase Order and levy appropriate penalties in addition to the Liquidated Damages. EdCIL/client will not be responsible for any costs associated with such rejection. The bidder will be responsible for all equipment supplied till they are delivered and commissioned at the designated location/end client location.
- Additionally, the bidder shall replace the complete lot of equipment belonging to an equipment type, if more than 25% of the sample size for the equipment type are found defective during the PDI. If the lots for two consecutive types of equipment are rejected, the entire shipment of equipment by the manufacturer shall stand rejected and shall have to be replaced by the successful Bidder with a fresh batch of equipment for shipment and related PDI. Any cost impacts of rejection at any stage shall be borne by the Bidder. If the complete shipment is rejected, EdCIL reserves the right to cancel the Purchase Order and levy penalties in addition to the Liquidated Damages. All penalty calculation are explained in detail in SLA.

10. DELIVERY, INSTALLATION AND COMMISSIONING:

- Delivery, Installation and commissioning of the "Science Centre labs" at the school level or the desired location should be made within a maximum of 60 calendar days from the date of placement of purchase order.
- The successful bidder to provide absolute supply and Commissioning schedule within 7 days from the receipt of Purchase Order.
- Within 24 hours of dispatch, the supplier should notify the EdCIL by cable/ telex/ fax/ e-mail the full details of the shipment.
- 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 successful 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 successful 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. The power supply and internet connectivity for commissioning will be arranged by End Client. Until the equipment is handed over to respective school authorities/end client location, successful bidder will be solely responsible for the security of all the equipment.
- The successful 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

11. FINAL ACCEPTANCE SIGN OFF FROM END CLIENT:

Against the Delivery and Installation & Commissioning of the Science centre Lab in each school, the selected Bidder shall get a Delivery Certificate and Installation & Commissioning Sign-off certificate from the Headmaster/Teacher of the respective school. In all likelihood, the Delivery Certificate and Installation & Commissioning Sign-off certificate for a school shall be provided to the successful Bidder on the same day of successful delivery and commissioning of the equipment of Science centre lab for that school. The damaged/defective equipment, if any shall be taken back by the successful Bidder.

12. SITE PREPARATION:

The successful bidder 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 successful bidder 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 End Client in the preparation of the site and other pre installation requirements.

13. WARRANTY AND SUPPORT SERVICES:

- The successful bidder is required to provide a standard onsite warranty support for a period of two (02) Year Warranty. 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 successful 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.

- Successful 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 successful 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

14. LIQUIDATED DAMAGES:

- 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.
- 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.

15. INDEMNITY:

The successful 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.

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

16. TECHNOLOGY ADVANCEMENT:

According to the technology advancement successful L1 bidder has to provide upgraded product without any extra cost to meet the technology advancement of the market.

17. MANUALS AND DRAWINGS:

- a. Before the goods and equipment are taken over by the EdCIL, the Supplier should supply operation and maintenance manuals. These should be in such details as will enable the EdCIL to operate, maintain, adjust and repair all parts of the works as stated in the specifications.
- b. The Manuals should be in the ruling language (English) in such form and numbers as stated in the contract.

- c. Unless and otherwise agreed, the goods equipment should not be considered to be completed for the purpose of taking over until such manuals and drawing have been supplied to the EdCIL.

18. DEVIATION CLAUSE:

EdCIL reserves the right to increase or decrease the quantity by 100% to be ordered up to any number of bid quantity at the time of placement of contract as per client requirements. The purchaser also reserves the right to increase the ordered quantity by 100% of the contracted quantity during the currency of the contract at the contracted rates. The selected Bidder are bound to accept the orders accordingly. The contract shall be valid for 1 year from the date of issue of PO.

19. DOCUMENTATIONS TO BE PRODUCED BY THE SUCCESSFUL BIDDER DURING PROJECT:

- Original Delivery issued by the client with sign and stamp or acknowledgement of delivery.
- Original Installation and Commissioning certificate issued by the client with sign and stamp or acknowledgement of Commissioning.
- Warranty Certificate in original of all the items supplied to client.
- School wise coloured 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.

CHAPTER-V

Eligibility and Bid Evaluation

6.1 Bid Evaluation Process:

Evaluation will be based on the bidder meeting the eligibility criteria and subsequently evaluation of financial bid. It is mandatory for the bidder to fulfil all the eligibility criteria to be qualified for technical evaluation.

6.2 Eligibility Criteria:

S.No.	PQ Criteria	Description of the Criteria	Documents to be Submitted
1	Legal Entity	<p>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 7 years preceding the bid due date. Consortium of companies/ firms is not allowed.</p> <p><u>For MSME/NSIC registered bidder:</u> 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 5 years preceding the bid due date. Consortium of companies/ firms is not allowed.</p>	<ul style="list-style-type: none">• Valid copy of certificate of incorporation and registration certificates.• Copy of GST registration. Copies of relevant certificates of registration income tax• PAN
2	Turnover	<p>Bidder must have minimum average annual turnover of Rs. 15 crores during the last three financial year i.e., 2020-21, 2021-22 and 2022-23.</p> <p>Bidder must be profitable and has positive net-worth in each of the last 3 financial year i.e., 2020-21, 2021-22 and 2022-23.</p> <p><u>For MSME/NSIC registered bidder:</u> Bidder must have minimum average annual turnover of Rs. 12 crores during the last three financial year i.e., 2020-21, 2021-22 and 2022-23.</p> <p>Bidder must be profitable and has positive net-worth in each of the last 3 financial year i.e., 2020-21, 2021-22 and 2022-23.</p>	<ul style="list-style-type: none">• 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.• MSME Bidder should produce valid registration certificate from NSIC/MSME.

3	Blacklisting certificate	The BIDDER should not have been blacklisted by the Central Government, State Governments, PSU or any Government Corporations in India, preceding bid due date.	Copy of undertaking signed by authorized signatory of bidder should be submitted with the technical bid. Format enclosed as Annexure IV
4	Technical Capability	<p>Bidder should have experience in supply & commissioning of ATL/ Robotics/Science Centre Labs in government schools of India during last 3 FY i.e., 2020-21, 2021-22 and 2022-23:</p> <ul style="list-style-type: none"> ● Executed three works of ATL/ Robotics/Science Centre Labs of value not less than 6 Crore. ● Executed two works of ATL/ Robotics/Science Centre Labs of value not less than 9 Crore. ● Executed one work of ATL/ Robotics/Science Centre Labs of value not less than 15 Crore <p><u>For MSME/NSIC registered bidder:</u> Bidder should have experience in supply & commissioning of ATL/ Robotics/Science Centre Labs in government schools of India during last 3 FY i.e., 2020-21, 2021-22 and 2022-23:</p> <ul style="list-style-type: none"> ● Executed three works of ATL/ Robotics/Science Centre Labs of value not less than 4.8 Crore. ● Executed two works of ATL/ Robotics/Science Centre Labs of value not less than 7.2 Crore. ● Executed one work of ATL/ Robotics/Science Centre Labs of value not less than 12 Crore. <p>The bidder should have experience of teacher's training to minimum 1500 teachers for Govt. Schools.</p> <p>The bidder should have experience of providing training to minimum 30,000 students for Govt. Schools in a single work order.</p> <p><u>For MSME/NSIC registered bidder:</u></p>	<p>Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client.</p> <p>Only those Work order shall be considered where the value of the work has been clearly mentioned by the client on work order or through any other letter.</p> <p>Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client.</p> <p>A letter from the end client wherein the number of</p>

		<p>The bidder should have experience of teacher's training to minimum 1200 teachers for Govt. Schools.</p> <p>The bidder should have experience of providing training to minimum 24,000 students for Govt. Schools in a single work order.</p>	<p>teachers/ students trained should be clearly mentioned.</p>
4	Bidder Quality Certification	The bidder should be an ISO 9001:2015, ISO 20001 & ISO 27001 certified company.	Copies of the valid certificates.
5	Scrutiny of kits & equipment's validation	Bidder is required to submit samples for scrutiny and samples	Sample of kits in sealed box to be submitted by or before last date of tender submission date.
6	Power of Attorney	A Power of Attorney / Board Resolution in the name of the person signing of the tender.	Original Power of Attorney / Board Resolution Copy on a non-judicial stamp paper as per Annexure VIII
7	Insolvency/ Bankruptcy	The BIDDER must not have been declared insolvent/ bankrupt or should not have filed for insolvency/ bankruptcy or in the process of being declared bankrupt before any designated authority preceding bid due Date	A Self Declaration on the Letter head of the BIDDER regarding BIDDER Company not being bankrupt or in process of being declared insolvent / bankrupt as on date as per Annexure XVIII.

- Documents must be provided in support of the following otherwise bids will be summarily rejected.
- EdCIL reserves the right to verify the work order submitted by prospective bidder from issuing department.
- 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.
- The Technical bid will be evaluated by evaluation committee set-up by EDCIL.
- The Technical Evaluation will be conducted based on the relevant support documents submitted by the Bidders.
- The bidder who qualifies the eligibility criteria shall be declared as technically qualified bidder and those shall be notified for opening of their financial bid.
- Notwithstanding anything stated above, the EdCIL reserves the right to assess bidder's capability and capacity to perform the contract, should circumstances warrant such an assessment in the overall interest of the EdCIL.

Technical Evaluation:

S.No	Description	Evaluation Criteria	Max Marks	
1.	The Bidder should be registered under Companies Act, 1956 and 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid. Consortium of companies/firms is not allowed.	≥ 7 Years: 10Marks ≥ 10 Years: 15Marks ≥ 12 Years: 20Marks	20	<ul style="list-style-type: none"> Valid copy of certificate of incorporation and registration certificates. Copy of GST registration. Copies of relevant certificates of registration income tax. PAN
2.	Bidder must have minimum average annual turnover of Rs. 15 crores during the last three financial year i.e., 2020-21, 2021-22 and 2022-23.	≥ 15 Crores: 10 Marks ≥ 20 Crore: 15 Marks	15	<ul style="list-style-type: none"> 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 Networth during the FY 2020-21, 2021-22 & 2022-23.
3.	Bidder should have experience in supply & commissioning of ATL/ Robotics/Science Centre Labs in government schools of India during last 3 FY i.e., 2020-21, 2021-22 and 2022-23	Value of Single work order ≥ 6 Crore: 5 Marks Value of Single work order ≥ 9 Crore: 10 Marks Value of Single work order ≥ 15 Crore: 15 Marks	15	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. Only those Work order shall be considered where the value of the work has been clearly mentioned by the client on work order or through any other letter.
4.	Bidder should have experience in supply & commissioning of ATL/ Robotics/Science Centre Labs in government schools of India during last 3 FY i.e., 2020-21, 2021-22 and 2022-23. The value	5 Marks for each project having not less than 9 Crores.	15	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client.

	of the project should not be less than 6 Crore			Only those Work order shall be considered where the value of the work has been clearly mentioned by the client on work order or through any other letter.
6.	The bidder should have experience of teacher's training to minimum 1500 teachers for Govt. Schools.	Upto 1500 Teachers : 5 Marks More than 2000 Teachers : 10 Marks	10	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. and A letter from the end client wherein the number of teachers trained should be clearly mentioned.
7.	The bidder should have experience of providing training to minimum 30,000 students for Govt. Schools	No. of students > 30,000: 10 Marks No. of students > 60,000: 15 Marks No. of students > 90,000: 20 Marks No. of students > 1,20,000: 25 Marks	25	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. and A letter from the end client wherein the number of students trained should be clearly mentioned

For MSME/ NSIC registered bidder:

S.No	Description	Evaluation Criteria	Max Marks	
1.	The Bidder should be registered under Companies Act, 1956 and 2013 in India and should have been in operation in India for at least last 7 years as on the date of submission of the bid.	≥ 5 Years: 10Marks ≥ 7 Years: 15Marks ≥ 10 Years: 20Marks	20	<ul style="list-style-type: none"> Valid copy of certificate of incorporation and registration certificates. Copy of GST registration. Copies of relevant certificates of registration income tax. PAN

	Consortium of companies/ firms is not allowed.			
2.	Bidder must have minimum average annual turnover of Rs. 12 crores during the last three financial year i.e., 2020-21, 2021-22 and 2022-23.	≥ 12 Crores: 10 Marks ≥ 16 Crore: 15 Marks	15	<ul style="list-style-type: none"> 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.
3.	Bidder should have experience in supply & commissioning of ATL/ Robotics/Science Centre Labs in government schools of India during last 3 FY i.e., 2020-21, 2021-22 and 2022-23	Value of Single work order \geq 4.8 Crore: 5 Marks Value of Single work order \geq 7.2 Crore: 10 Marks Value of Single work order \geq 12 Crore: 15 Marks	15	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. Only those Work order shall be considered where the value of the work has been clearly mentioned by the client on work order or through any other letter.
4.	Bidder should have experience in supply & commissioning of ATL/ Robotics/Science Centre Labs in government schools of India during last 3 FY i.e., 2020-21, 2021-22 and 2022-23.	5 Marks for each project having not less than 7.2 Crores.	15	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. Only those Work order shall be considered where the value of the work has been clearly mentioned by the client on work order or through any other letter.
6.	The bidder should have experience of teacher's training to minimum 1200 teachers for Govt. Schools.	Upto 1200 Teachers : 5 Marks More than 1500 Teachers : 10 Marks	10	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client.

				and A letter from the end client wherein the number of teachers trained should be clearly mentioned.
7.	The bidder should have experience of providing training to minimum 24,000 students for Govt. Schools	No. of students > 24,000: 10 Marks	25	Copy of work order/MoU and completion certificate from client /email from client on project completion/Installation Certificate duly certified from client. and A letter from the end client wherein the number of students trained should be clearly mentioned
		No. of students > 48,000: 15 Marks		
		No. of students > 72,000: 20 Marks		
		No. of students > 96,000: 25 Marks		

Note: - All the bidders who secure a Technical Score of 60 marks out of total 100 marks i.e. 60% of total marks or more will be declared as technically qualified and are eligible for financial bid opening

Evaluation of financial bids:

The Financial bid of only those bidders who are found technically eligible shall be opened. The financial bids shall be opened in the presence of representative of technically eligible bidders, who may like to be present. Financial bids will be inspected to ensure their conformity to the format provided in the tender document. If there is any discrepancy between words and figures in any part of the financial bid, the amount indicated in words will prevail. The technically qualified bidder who has quoted the lowest price in the financial bid will be L1 and considered for the award of contract.

Chapter-VI

Delivery Timeline & Payment terms

1. Duration & Timeline

Bidder shall make all the arrangements for the timely delivery and installation of equipment for successful completion of project. No other incidental/TA/DA/any other such expenditure shall be paid by EdCIL.

For Science Centre Labs:

S.No.	Milestone	Timeline (In Calendar Days)
1.	Acceptance of LOA	T+3
2.	Submission of Performance Security	T+14
3.	Pre-Delivery Inspection	T+45
4.	Delivery of Science Centre Labs at school level	T+60
5.	Installation and commissioning of Science Centre Labs at school level	T+90

For Awareness Program:

S.No.	Milestone	Timeline (In Calendar Days)
1	Capacity building of school teachers	T+120 Days
2	Completion of Awareness program of students	T+180 Days
3	Completion of district level competition/events	T+240 Days
4	Submission of Assessment & Final closure report.	T+300 Days

Note:- * Here 'T' Indicates the date of LOA.

EdCIL reserves the right to change the timelines as per the requirement of the client. The milestones and timelines can be minimized as per the requirements of the individual projects/end client at the time of award of work order.

Delivery of the services with the performance in line with the requirements shall be made by the bidder in accordance with the time schedule specified by the Purchaser. If at any time during performance of the contract, the bidder should encounter conditions impeding timely delivery of the Goods and performance of Services, the bidder shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practical after receipt of the bidder's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the bidder's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

Note:

- I. The Supplier should Provide the project plan after getting the work order from EdCIL. Also, the supplier should inform the deviation from the project plan with proper reason to EdCIL.
- II. Bidder shall make all the arrangements for the timely delivery and installation of equipment for successful completion of project. No other incidental/TA/DA/any other such expenditure shall be paid by EdCIL.
- III. In case of any miss happening/ damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. EdCIL or End Client will not be liable to any type of losses in any form.

Chapter-VII

Payment terms

Payment Term for Science Centre Labs:

S.No	Milestone	Payment %
1.	<p>Payment shall be released after Satisfactory Pre-Delivery Inspection of equipments by PDI Committee and successful delivery of all hardware and software at school level.</p> <p>Payment will be made if items are found in good condition as per term and conditions mentioned in the RFP.</p> <p>The bidder should submit the following documents to the EdCIL for the payment:</p> <ul style="list-style-type: none"> • Original Tax invoice showing contract number, goods description, quantity unit price, total amount. • Delivery report duly signed and stamped from authorized official of School. • E-way bills 	<p>40% of the Contract Value (Excl. Training)</p>
	<p>Payment shall be released after successful installation and commissioning of all hardware items at identified location as per client.</p> <p>Payment will be made if items are found in good condition as per term and conditions mentioned in the RFP.</p> <p>The bidder should submit the following documents to the EdCIL for the payment:</p> <ul style="list-style-type: none"> • Installation report duly signed and stamped from authorized official of School. • Manufacturer's/ Supplier's warranty certificate. 	<p>50% of the Contract Value (Excl. Training)</p>
2.	<p>The warranty/AMC will be for a total period of 2 years. Payment shall be released after successful completion of 1st year AMC/warranty period i.e. after one year from the date of commissioning.</p>	<p>5% of the Contract Value (Excl. Training)</p>
3.	<p>The warranty/AMC will be for a total period of 2 years. Payment shall be released after successful completion of 2nd year AMC/warranty period i.e. after two year from the date of commissioning.</p>	<p>5% of the Contract Value (Excl. Training)</p>
4.	<p>Teacher's Training</p> <ul style="list-style-type: none"> • Submission of Training Attendance sheet. • Submission of Training report. 	<p>100% of Training Value</p>

Note:

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

- Payment will be processed after proper quality checks and signing of handing over certificates by concerned authorities.
- No advance payment shall be released to the Supplier.
- Payment to the Supplier shall be made in Indian Rupees through account payee cheque / NEFT / RTGS.
- Warranty start will be reckoned from the date of commissioning as approved by the end client. Part payment can be made against commissioning in accordance to the progress of the project based on the availability of funds in the project.
- The invoices must be based on work orders (or any amendments thereof) issued by the EdCIL.
- SLA Breaches (if any) provided by the client may also result in deduction of the payment against the work order.
- Geo-tagged school wise colored photographs of every delivery location when the product is delivered and when the product is installed provide location wise colored photographs and videos of 1 – minute duration (in soft copy) separately. The video must capture the functionality of the device(s) in presence of any school/concerned official/teacher.
- Payments shall be subject to deductions / damages / penalties of any amount for which the Supplier is liable under the contract. Further, all payments shall be made subject to deduction of TDS (Tax Deduction at Source) at the rate applicable from time to time as per the Income-Tax Act, 1961 and any other applicable deductions/ taxes.

Payment Terms for Awareness Campaign:

S.No.	Milestone	Payment % of the Contract Value (Excl. Training)
1	<p>Payment shall be released after Satisfactory after successful conduct of Capacity building of school teachers.</p> <p>The bidder should submit the following documents to the EdCIL for the payment:</p> <ul style="list-style-type: none"> • The invoices shall be billed to GST No. of EdCIL and should be based on workorders (or any amendments thereof) issued by EdCIL. • Photos of each session captured through professional camera, • Video of 2-3 Minutes duration taken through professional camera, • Attendance sheet of the school teachers and it should be cross certified by DPC/DEO/DNO, concerned district, J&K. • Feedback to be taken from each teachers and recorded in the form duly signed by the DPC/DEO/DNO, concerned district, J&K. 	40%
2	<p>Payment shall be released after Satisfactory completion of Students awareness program (Training & Workshops) in online mode.</p> <p>The bidder should submit the following documents to the EdCIL for the payment:</p>	25%

	<ul style="list-style-type: none"> • Softcopy of Recorded session, • Attendance sheet of the students and it should be cross certified HOS and DPC/DEO/DNO, concerned district, J&K. • Detailed awareness Report capturing followings to be provided. <ul style="list-style-type: none"> ○ No. of Students in each school. ○ No. of Students attended the training session of each school. ○ No. of Students submitted the project of each school. ○ Name of project submitted by each student of each school. <p>This report is to be cross certified by DPC/DEO/DNO, concerned district, J&K.</p>	
3	<p>Payment shall be released after Submission of Assessment & Final closure report.</p> <p>The bidder should submit the following documents to the EdCIL for the payment:</p> <ul style="list-style-type: none"> • Detailed report duly approved by DPC/DEO/DNO, concerned district, J&K. • Testimonials of each school in presence of HOS/School Teacher. • Baseline and Endline assessment of the students and final closure report 	35%

Note:

- Payments will be done only on the back to back basis on receipt of the related payment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.
- Payment will be processed after proper quality checks and signing of handing over certificates by concerned authorities.
- No advance payment shall be released to the Supplier.
- Payment to the Supplier shall be made in Indian Rupees through account payee cheque / NEFT / RTGS.
- The invoices must be based on work orders (or any amendments thereof) issued by the EdCIL.
- SLA Breaches (if any) provided by the client may also result in deduction of the payment against the work order.
- Payments shall be subject to deductions / damages / penalties of any amount for which the Supplier is liable under the contract. Further, all payments shall be made subject to deduction of TDS (Tax Deduction at Source) at the rate applicable from time to time as per the Income-Tax Act, 1961 and any other applicable deductions/ taxes.

Performance Security

The successful bidder shall be required to deposit Performance security equivalent to 3% of work order value to EdCIL within 14 days from the date of issue of Work Order. The Performance Security should be issued in favour of "**EdCIL (India) Limited**" to be valid

for a period of 90 days beyond the date of completion of O&M period & contractual obligations. This Performance Bank Guarantee should be retained throughout the currency of the contract and shall be extended by the bidder from time to time, as required by EdCIL. The list of bank from where the Performance security is acceptable is at Annexure-XV. 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.

Chapter-VIII

Key Contract Terms

1. Arbitration

- a. Any dispute arising out of 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 India International Arbitration Centre (“IIAC”) in accordance with the India 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.
- b. The place/seat of the arbitration shall be New Delhi, India.
- c. The Tribunal shall consist of one arbitrator.
- d. The law governing the arbitration agreement shall be Indian Law.
- e. The language of the arbitration shall be English.
- f. The governing law of the Contract shall be Indian Law.
- g. Arbitration cost to be borne by the Supplier.

2. Non-Disclosure

The company 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.

3. Risk Purchase Clause

In event of failure of supply of the item/equipment within the stipulated delivery schedule, the EdCIL has all the right to purchase the item/equipment from the other source on the total risk and cost of the supplier under risk purchase clause.

4. Compensation

In consideration of the Services hereunder, EdCIL India Limited shall pay BIDDER the fees and expenses (“Charges”) as specified in Commercial. All amounts payable to BIDDER are exclusive of any Taxes. EdCIL India Limited shall be entitled to deduct from applicable payments to BIDDER, any tax on BIDDER’ income deductible at source at the rates applicable as per the provisions of Income Tax Act 1961 and provide BIDDER with evidence or certificate of payment of such tax to the taxing authorities. BIDDER shall submit invoices to EdCIL India Limited in accordance with the payment schedule in Commercial of this document. Payment stages are available at Chapter-VIII

5. Representations and Warranties

Bidder warrants that the Services will be provided in a skillful and workman like manner and in conformity with the scope described in Scope of Work Proposed Functional Scope of this document. Notwithstanding the aforesaid, any Services which are provided by bidder free of charge or are otherwise not chargeable shall be provided on an ‘AS IS’ basis without any warranties whatsoever. Each Party represents, warrants and covenants to the other that: (i) it is duly organized and validly existing and in good standing under the laws

of the state of its incorporation or formation; (ii) it has the full right and authority to enter into and that this Agreement constitutes a legal, valid and binding obligation; and (iii) its execution, delivery and performance of this Agreement does not and will not conflict with, or constitute a breach or default under, its charter of organization, or any contract or other instrument to which it is a party.

6. Limitation of Liability

Neither EdCIL India Limited nor the bidder shall be liable to the other for any special, indirect, incidental, consequential (including loss of revenue, data and/or profit), exemplary or punitive damages, whether in contract, tort or other theories of law, even if the Party has been advised of the possibility of such damages. The total cumulative liability of either party under this Agreement shall not exceed the value of the contract. The limitation on any Party's liability herein shall not apply to liability for damages, resulting from (i) the willful misconduct; (ii) breach of the use terms in respect of use of bidder Application System; and (iii) breach of confidentiality obligations. Bidder shall not be held liable for any delay or failure in its obligations, if and to the extent such delay or failure has resulted from a delay or failure by or on behalf of EdCIL India Limited to perform any of EdCIL India Limited's obligations.

7. 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. Force Majeure

The selected Bidder should not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delays 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 bidder and not involving the bidder's fault or negligence and not foreseeable. Such events shall include, but are not limited to, acts of the EdCIL 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 bidder should promptly notify the EdCIL in writing of such conditions and the cause thereof. Unless otherwise directed by the EdCIL in writing, the Supplier 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.

9. Prices

- I. The price should be quoted in per unit (with breakup) and must include all packing and delivery charges. The offer/bid should be inclusive of taxes and duties, which will be paid as applicable. However, the percentage of taxes and duties should be clearly indicated. The inter se merit position of the bids however shall be decided based on the composite price of the product including taxes, transportation, Warranty with all other incidental expenses indicated.
- II. 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 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 than Financial Bid will not be considered.
- III. The price quoted should be inclusive of 2 years on site comprehensive warranty including basic training and demonstration to the end client.

10. Notices

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

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

Supplier: (To be filled in by the supplier)

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

11. Supplier Integrity

The selected 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.

12. 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.

13. 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 (Delhi) INDIA.

14. Right to Use Defective Goods

I. If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, EdCIL should have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the EdCIL's operation.

II. Replacement of Goods broken, damaged or short: In the event of any material or part thereof found broken or damaged or received short during transit or during installation or Commissioning or testing at site, before commissioning in service the suppliers should replace the same free of cost. However, EdCIL may recover amount equivalent to the cost of such damaged / broken / short supplied materials and will repay when actual replacement is given.

III. Substitution and Wrong Supplies: Unauthorized substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or rejected goods should be returned to the supplier at their own cost and risk.

15. Taxes

Selected Bidder should be entirely responsible for all taxes, duties, road permits, etc., incurred until delivery of the contracted Goods/Services. EdCIL shall only make payment towards the GST Charged in the invoice other than that no other taxes/ duties/ Charges will be paid.

16. Defective Equipment

I. If any of the equipment supplied by the Bidder is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification

or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment should be refunded by the Bidder with 18% interest if payments for such equipment have already been made.

- II. All damaged or unapproved goods should be returned at suppliers' cost and risk and the incidental expenses incurred thereon should be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, should be replaced on receipt of the intimation from EdCIL/end client at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, EdCIL (INDIA) LTD may consider "Banning" the supplier.

17. Termination for Default

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

- I. If the Supplier 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 Supplier fails to perform any other obligation(s) under the Contract.
- III. If the Supplier, 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 Supplier should be liable to the EdCIL for any total risk & costs for such similar Goods or Services. However, the Supplier should continue the performance of the Contract to the extent not terminated.

18. Tender Conditions with Implementation of Insolvency and Bankruptcy Code, 2016 (IBC)

- a) It will be the responsibility of the bidder to inform EdCIL within 15 days from the date of order of insolvency resolution process or liquidation or bankruptcy

proceeding passed by the Adjudicating Authority namely, National Company Law Tribunal (NCLT) or Debt Recovery Tribunal (DRT) under the Code.

- b) If bidder refuses or fails to share the information regarding their status of insolvency resolution process or liquidation or bankruptcy proceeding in their bid or at any later stage, their offer is liable to be rejected by EdCIL.
- c) EdCIL reserves the right to cancel/terminate the contract without any liability on the part of EdCIL immediately on the commencement of insolvency resolution process or liquidation or bankruptcy proceeding of any party under the contract.
- d) EdCIL reserves its right to evaluate and finalise the bid without considering the bid of any party undergoing insolvency resolution process or liquidation or bankruptcy proceeding under the Code regardless of the stage of tendering.
- e) A declaration / undertaking shall be submitted by the bidder in the Format (as per ANNEXURE-XVIII) along with techno commercial bid.

19. Guide lines for Evaluation & Short closure:

- a) After opening of price bid but before award, if a bidder(s) is(are) rejected due to initiation of insolvency resolution process or liquidation or bankruptcy proceeding under Insolvency and Bankruptcy Code, 2016 (Code), tender will be finalized ignoring such bid(s).
- b) During execution of contract, if insolvency resolution process or liquidation or bankruptcy proceeding under Insolvency and Bankruptcy Code, 2016 (Code) is initiated against a contractor and EdCIL shall have the right to short close the contract.

20. Compliance certificate

This certificate must be provided on their letter head indicating conformity to the technical specifications.

21. 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 thereby 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 pre-qualification criteria, are still being met by the Bidder whose offer has been determined as first rank. A proposal shall be rejected if the eligibility criteria, are no longer met by the Bidder whose offer has been determined as first rank.

22. User List

Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items have been supplied must be provided.

23. Product Life

The Models offered should strictly conform to the specifications given in the product literature and these models should be supported for a minimum period of 2 years including warranty period. The Models proposed/ marked for withdrawal from the market and the models under quality testing should not be offered.

In addition to the above, if any additional/ enhanced configuration is suggested in view of technological changes, it may be furnished as optional feature with/without cost duly explaining the additional utility of the offered model in both the technical offer document as well as Commercial Offer document. However, the basic quote should be confined only to the configuration/ model offered for.

24. Acknowledgement

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

25. Price Information

Price information shall not be there in Technical Bid.

26. Rates in Figures and Words

Rates Quoted by the Bidder in tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the bidder in figures and in words tally but the amount is not worked out correctly, the rates quoted by the Bidder will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s) and amount blank, it will be presumed that the Bidder has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

In the case of any tender where unit rate appear unrealistic, such tender will be considered as unbalanced and in case the tender is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.

27. Fall Clause

The Bidder undertakes that the rates quoted by him in the financial bid for each item is not higher than the rate offered by him for similar work to any other PSU/ AB/ Govt. Department. In case, if the price charged by bidder is more, EdCIL will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier, provided all condition of the work including time, scope, logistics, specifications and country are same.

ANNEXURE-I

Technical Compliance Sheet

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Signature of Bidder Name: _____

Designation: _____

Organization Name: _____

Contact No.: _____

Seal of the

Company: _____

ANNEXURE-II

**<< Organization Letter Head >>
DECLARATION SHEET**

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

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

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

(Signature of the Tenderer)
Name: _____

Seal of the Company

ANNEXURE III

Letter of undertaking
(ON THE LETTER HEAD OF THE BIDDER)

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

Sir,

SUBJECT- Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers”.

This bears reference to EdCIL Bid No. **EdCIL/DES/SCAP/2024** 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 IV

UNDERTAKING OF NON BLACKLISTING

This is to confirm that we M/s _____ (give full address) or any of our affiliated companies or subsidiaries 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 Government Client in India, in last five year before release of advertisement.

If the above information found false at any stage after the placement of Work Order / Agreement, EdCIL (India) Limited (EdCIL), 18-A, Sector 16-A, Noida will have full right to cancel the Contact and forfeit the Performance Guarantee. All the 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 V

Financial Statement

Sl. No.	Financial Year	Annual Turnover	Net Worth	Profitability
2.	2020-21			
3.	2021-22			
4.	2022-23			
Total				
Average of FY 2020-21, 2021-22 and 2022-23				

Note: Certificate from Statutory Auditor/ Chartered Accountant certifying balance sheet only for all three FY years to be attached.

Signature with Seal of the Chartered Accountant

Signature with Seal of the Bidder

ANNEXURE-VI

List of Orders Completed for Govt. Organizations / Autonomous Institutes/Private Institutes in India

Bid No.:

Date:

Name of the Firm:

S.No	Name of Client	Name of the Project and brief description	Value (Excl. Tax)	Date of award	Date of Completion	Current Status and duration of maintenance period for ongoing project	Name of Contact Person and other details
1.							
2.							
3.							
4.							

Signature of Bidder
(Signature with seal)

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

ANNEXURE-VII

**Manufacturer's Authorization Form (MAF)
{to be filled by OEM}**

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

Subject: OEM Authorization Letter for Request for Proposal (RFP) for Selection of service provider for "Selection of System Integrator for "Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers".

Dear Sir,

We, who are established and reputable having factories / development facilities at (address of factory / facility) do hereby authorize _____ to submit a Bid, and accept the Purchase Order against the above Bid Invitation.

We hereby extend our full guarantee and warranty for the Solution, Products and services offered by the above firm against this Bid Invitation. We further undertake that we will support the supplier will all related spares and maintenance during the entire contract period.

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

Yours faithfully,

Name:

Seal:

Note: This letter of authority should be on the letterhead of the OEM

ANNEXURE-VIII

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 2024.

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 submit 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 Apostile certificate.

ANNEXURE-IX

LETTER OF BID SUBMISSION

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

SUBJECT: Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers”

-Submission of Bid -

Sir,

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

1. I/We hereby certify that all the statements made and information supplied in the enclosed form _____ and accompanying statements are true and correct.
2. I / we certify that we have not changed/alterd any word/sentence or any figure in number/s or words appearing the original tender document uploaded by EdCIL on the designated web page for e-tendering. In case, if a fraudulent activity is found at any stage between tender submission to final closure of the tender/contract, our candidature/bid/contract shall be immediately cancelled and EMD/Performance security/ security deposit along with the due amount towards the work executed or advance shall be forfeited. EdCIL will not entertain any claim or entertain any reason for this intentional act. EdCIL may go for the legal action against the bidder for recovering any one or all damages caused to EdCIL or its client on this account.
3. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
4. I/We submit the requisite **certified solvency certificate** and authorize the EdCIL to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize EdCIL to approach individuals, employers, firms and corporation to verify our competency and general reputation.
5. I/We submit the following **certificates** in support of our suitability, technical knowledge and capability for having successfully completed the following works:

S.No.	Name of Work	Certificate From

6. Earnest Money Deposit amounting to Rs. 8,50,000 in the form of DD/Pay Order No. - ----- dated ----- issued by ----- Bank is submitted.
7. Demand Draft of Rs. (NIL)/- towards Bid document cost.: If applicable

Enclosures:

Date of Submission :

ANNEXURE – X

Bank Guarantee towards Bid Security (EMD)

Bank Guarantee No. _____

To,
Chief General Manager (DES)
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 Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers”. (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:

1. fails or refuses to execute the Agreement form if required; or
2. 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) _____
Designation with Code No. -----
1. Full Address-----
2.

Annexure XI

Name of the Bank: _____

To

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

PERFORMANCE BANK GUARANTEE FORMAT

In consideration of the Chief General Manager 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 CGM(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) Notwithstanding 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-XII

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 Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers”.

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

WHEREAS the BIDDER is a private company /public company / Government undertaking / partnership / registered expert agency, constituted in accordance with the relevant law in the matter and the EdCIL is a Public Sector Undertaking under Ministry of Human Resource Development 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. **EdCIL/DES/SCAP/2024**dated2024 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, favor or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

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

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

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

3. Commitments of Bidders

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

3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the EdCIL, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

- 3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the EdCIL or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.
- 3.3 Bidders shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4 BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.
- 3.5 The BIDDER further confirms and declares to the EdCIL that the BIDDER is the original manufacturer/integrator/authorized government sponsored export entity and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the EdCIL or any of its functionaries, whether officially or unofficially to the award to the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation, as the case shall be for satisfactory performance of the proposed terms of Bidder.
- 3.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the EdCIL or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 3.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the EdCIL as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

- 3.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 3.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the EdCIL, or alternatively, if any relative of an officer of the EdCIL has financial interest / stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of Bid.
- 3.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the EdCIL.

4. **PREVIOUS TRANSGRESSION**

- 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. 8,50,000 as Earnest Money with the EdCIL through Account Payee Bank Demand Draft/ BG in favor of EdCIL (India) Limited. The list of bank from where the EMD is acceptable is placed at annexure XV.
- 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 O&M 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**

7.1 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

- 1.1 An Independent monitor (s) shall be appointed by EdCIL, in case of breach of the provisions of the pact.
- 1.2 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.
- 1.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 1.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project / procurement, including minutes of meetings.
- 1.5 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.
- 1.6 The BIDDER(s) accept that the Monitor has the right to access without restriction to all Project documentation of the EdCIL including that provided by 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.

1.7 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.

1.8 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.

2. 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.

3. LAW AND PLACE OF JURISDICTION

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

4. 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.

5. VALIDITY

5.1 The validity of this Integrity Pact shall be governed by the terms of the Bid No. **EdCIL/DES/SCAP/2024** towards complete execution of the contract to the satisfaction of both the EdCIL and the BIDDER/Seller, including O&M 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.

5.2 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.

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

EdCIL (India) Limited
Name of the Officer :
Designation:

BIDDER
CHIEF EXECUTIVE OFFICER

Witness:

Witness:

1. _____
2. _____

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

Annexure XIII

Contract Form

THIS AGREEMENT made the day of 2024 between EdCIL(Hereinafter called "the Purchaser") of the one part and (Name & address of Supplier) (Hereinafter called "the Supplier") of the other part:

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and constructed as part of this Agreement, viz.,
 - [a] The Price Schedule submitted by the Bidder;
 - [b] The Schedule of Requirements;
 - [c] The Terms & Conditions
 - [d] The EdCIL's Notification of Award/ Purchase Order
3. In consideration of the payments to be made by the EdCIL to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the EdCIL to provide the goods and services and to remedy defects herein in conformity in all respects with the provisions of the Contract.
4. The EdCIL hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contact prices or such other sum as shall become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

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

TOTAL VALUE:

DELIVERY SCHEDULE:

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

in the presence of

Annexure XIV
FORM – A
DELIVERY CERTIFICATE

The items mentioned as per details given below, have been physically verified by way of opening the cartons/packing and verifying the machine/ equipment supplied and model of the Equipment/Items. It is certified and acknowledged that the same have been received at this Institution in good condition.

Sl. No.	Address	School Name	Description of Equipment	Serial No of Device	Make	Model	Quantity
1							

Please make appropriate column, as per requirement.

The items as per details given below was/were received in damaged conditions and therefore are not acceptable. This damaged goods / equipment have been returned to the supplier and supplier is required to supply the new equipment in lieu of damaged one.

Details of the Goods/Equipment received in objectionable condition

Sl. No.	Addresses	School Name	Description of Equipment	Serial No of Device	Make	Model	Quantity
1							

Signature of School Representative

Name: _____

Designation: _____

Date: _____

Rubber Seal: _____

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 the issuing bank must designate a specified Bank Branch in Noida.

Following banks are permissible for accepting Bank Guarantees:

I- 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

II- 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	Indusland Bank Ltd

Annexure XVI

Equipment Specification Compliance

COMPLIANCE STATEMENT FORM

- a) Bidders shall respond to basic sections of this tender clause by clause/Clauses, using a compliance summary statement, the sample format of which is given below. This shall be in sequential order, the same as is given in this specification.

S.No.	Technical specification of each line items as per Scope of work	Compliance statement	Description
		Put Comply or not comply	Explain how the offered good is complaint or not compliant with the requirement of the technical specification attached (if the bidder does not mention justification for compliance, it might be considered as non-compliant)

- b) If no compliance is stated for a clause, the good will be assumed not to comply with that particular specification item, contract and standard commercial terms and Conditions
- c) For purpose of compliance verification, a document and page number cross-reference should be given (where applicable) in the reference column of the compliance summary statement.
- d) The supplier may include other relevant documentation by indicating a page number of document. It is mandatory to include detailed technical documentation, covering specification and quality performance of goods to be offered.
- e) Any clause marked with “comply” in the bidders’ compliance summary statement is binding on the successful bidder to supply goods that meet the requirements of that clause. This shall apply for the lifetime of any awarded contract.

Annexure XVII

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				
S.No.	Section No.	Page No.	Clause as per RFP	Clarification Sought

Annexure XVIII

**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

Instructions to Bidders

1. Financial Bid shall be submitted with full price details.

Financial Bid shall contain only the prices duly filled in as per the format given in Schedule of Rates provided in the tender document. Price bid should not have any Commercial and/or Technical stipulation in addition to, what is already given in Part I – Technical bid.

Financial Bid Standard Form-1 shall be used for the preparation of the price quote according to the instructions provided.

2. The bid shall be evaluated on total Price as shown in financial bid.
3. The prices quoted by the bidder shall be fixed for the quantity mentioned for the duration of the contract.
4. The changes displayed in the corrigendum/addendum to the bid documents, particularly with the financial bid should be attached with the **Financial Bid Submission Form**, in the same packet, duly signed and stamped by the authorized signatory of the Bidder firm.
5. The financial bid form-1 along with financial bid submission form should be filled in all respect and uploaded in **.PDF** format (only) duly signed and sealed by the authorized representative. In case, the financial bid documents are not complete in all respect the same should be treated as incomplete at financial bid stage and shall be considered non-responsive.

PART II - FINANCIAL BID

Annexure XIX

Financial bid submission form

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

Dated: ___/___/2024

Dear Sir,

We, the undersigned, offer to provide “Selection of System Integrator for Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers” in accordance with your request for proposal dated ___/___/2024.

Our attached Financial Bid for Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers” is for the amount of _____ *[Indicate the corresponding to the amount(s), currency (ies) {Insert amount(s) in words and figures}]*.

Please note that all amounts shall be the same as in Form-1. Our Financial Bid shall be binding upon by us subject to the modifications resulting from Contract negotiations, if any, up to expiration of the validity period of the Proposal.

Yours sincerely,

Authorized Signature {In full and initials}:

Name and Title of Signatory:

In the capacity of:

Address:

E-mail:

FORM: 1

Subject: Selection of System Integrator for “Design, Supply & Installation of Science Center in Govt. Schools along with the Implementation of awareness programs and capacity building of school teachers”.

Name of the Owner Individual/ Firm:

A. Science Center Lab:

S.No.	Name of the Item	Qty (A)	Unit Cost (B)	GST (%)	GST (in Rs.) (C)	Total Unit Cost D=B+C	Total Cost =A*D (In Rs.)
1	Science Center Equipments	100					
2	2 Kg Portable Fire Extinguisher	200					
3	Cupboard/ Almirah	100					
4	Refurbishment of Science center in terms of electrical fittings, painting, whitewash etc.	100					
5	Printing of banner/board, signage etc. in consultation of the schools	100					
Total Cost for Science center Lab (Incl. Taxes)							

Total Cost for Science center Lab (Incl. Taxes) (In Words): _____

Note:

- The above prices shall be inclusive of all taxes, delivery charges and installation charges including two year onsite comprehensive warranty at the schools.
- Applicable deduction on payment will be made for TDS/GST.
- All other incidental charges relating to transportation of equipments at the site are included in the above prices.
- No amount towards TA / DA and lodging, boarding or incidental to execution of the project shall be paid.

B. Awareness programs for Students and capacity building of school teachers:

S.No.	Name of the Item	Unit Cost, A	GST (%)	GST Amount (in Rs.) (B)	Total Unit Cost, C=A+B
1	Capacity building of School Teachers in Physical Mode for 1070 Primary Schools, 9178 Middle Schools, 3131 High Schools and 1261 Higher Secondary Schools (1 Day training of 2 Teachers from each school)				
2	Students awareness program (Training & Workshops) in online mode for 1070 Primary Schools, 9178 Middle Schools, 3131 High Schools and 1261 Higher Secondary Schools				
Total Cost for Awareness programs for Students and capacity building of school teachers (Incl. Taxes)					

Note:

- The above prices shall be inclusive of all taxes.
- No amount towards TA / DA and lodging, boarding or incidental to execution of the project shall be paid.

Summary of the Financials:

S.No.	Particulars	Total Cost (Incl. Taxes)
1	Design, Supply & Installation of 100 Science Center in Govt. Schools	
2	Implementation of awareness programs for Students and capacity building of school teachers	
Total Project Cost		

Note:

- The bidder who is Lowest in total project cost shall be declared as L1 bidder.
- Bidder has to mandatorily quote for each of the solution. Otherwise, the bid shall be summarily rejected.
- Validity of Offer: The offer should remain valid at least for a period of 180 days to be reckoned from the date of bid opening.

Place:

Date:

Signature and Stamp of the Bidder

Name:

Designation:

PRICE BREAK UP SHEET

Name	Description	Qty (A)	Unit Cost (B)	GST (%)	GST (in Rs.) (C)	Total Unit Cost D=B+C	Total Cost =A*D (In Rs.)
Mini Hacksaw Frame	Size: 6 inches	1					
Mini Hacksaw blades	Size: 6 inches	10					
Hacksaw	Size: 12 inches	1					
Extra hacksaw blades	Size: 12 inches	10					
Pliers: 4.5-inch size	External Straight	1					
	Nose Circlip Plier	1					
	Long Nose Plier	1					
	Combination Mini Plier	1					
	Wire stripping pliers	1					
	Bent nose plier	1					
	Needle nose pliers	1					
Tweezer Set	6 Pc Non-Magnetic Tweezer Set Size - 6 inches	2					
Ball Pein Hammer	Ball Pein Hammer Weight - 0.75kg	1					
Steel Shaft Claw Hammer	Claw Hammer Steel Shaft Weight - 0.75kg	1					
C-Clamp	Metal Clamp: 3-inch size	4					
Allen Key Set	10 Piece Ring Imperial Allen Hex key	1					
Drill Machine Set	Drill Machine with accessories Hammer/Screw and clockwise/anticlockwise modes. Power: 500W Chuck capacity - 1 to 10 mm Drill Bits - Masonry, Metal, Wood	1					
Drilling Workstation	Drill Press, Drill Holder and Rotary Tool, Compatible with Drilling machine provided	1					
Spanner Set	12-piece combination Spanner Set Range - 4 mm to 30 mm	1					
Wire Strippers	Wire Stripper Cutter Plier with Spring -26x6x20 cm (LxWxH)	5					
Vice Normal	Table top vice	1					
Screwdriver	40 pc multi-purpose screwdriver set	3					

Adjustable Universal Wrench Multi Wrench Spanner	Adjustable Universal Wrench	2					
Cordless Rotary Multitool Set	Cordless Rotary multitool with all cutting, grinding, polishing, engraving and drill bits. Speed: Adjustable up to 30000 RPM Battery Type: Li-ion Voltage/current range: 8- 10V, 0- 2 A	1					
Air Blower	500 W or more. Variable speed blower	1					
Drill Bit Set	High Quality 13 Pcs HSS Drill Bits Set for Wood, Iron, Aluminium, Plastic etc.	1					
File set	6 pc file set Working length - 6 inch	1					
Mini File set	6 pc mini file set Working length - 3 inch	1					
Flexible Cutting Mat	A3 Size with Marked Pattern and Grids (18" X 12")	1					
Plastic Storage Drawer/Organiser	Number of Drawers: 60 or equivalent Drawer size (l*w*d) (inch): 2*2*5	2					
Pegboard	Peg board System to mount tools on wall with attachments. (Size: 3ft*2ft)	2					
Hot glue gun	Works with standard 0.5- inch glue sticks. Temperature - 230 to 280 degree Celsius.	5					
Digital Oscilloscope	Minimum Bandwidth: 50 Mhz. Minimum number of channels: 2 channels. Sample Rate: 1Gsa/s with inbuilt waveform function generator.	1					
Soldering Kit	Variable Wattage of Soldering Iron: 15-30 watts/230 volts	5					
	Soldering Iron Temperature Range: 280°C to 450°C						
	De-Soldering Pump, Soldering Flux (Paste) 100 grams,						
	DE-soldering Copper Braid (Solder Wick) -1.5m*2mm						
	Compatible Soldering Tip						
	- Bevel, Chisel, Conical - 5 each per kit.						

	Soldering Wire: 20/22 AWG soldering Wire with rosin core flux (100 Grams)						
Adapters	DC power Adapter with 5V, 2A	10					
Adapters	DC power Adapter with 12V, 2A	10					
Electric Screw Driver Set	Multipurpose Electric screwdriver set. Accessories - Compatible bits Mode - Wireless Battery - Li-ion 3.6V or equivalent with charging dock	1					
Dual Temperature Heat Gun	1800 W Dual Temperature Heat Gun	1					
Soldering Helping hand	Adjustable crocodile holding clamps/clip. Soldering iron holder. LED light, Magnifying lens.	4					
Return measuring tape	Return measuring tape 5Mx19mm	2					
Stainless Steel Rule	Stainless Steel 12" /150 mm Rule	5					
Digital Vernier Calliper	150 mm / 6" Digital Vernier Calliper	2					
Spirit Level	12" Spirit Level	1					
Digital Pen electric Tester	Voltage tester	1					
Digital Multi Meter	Digital Multi Meter Voltage Current Resistance-7 functions + 19 ranges to cover DC	5					
	voltage 200mV to 1kV,						
	AC voltage 200 V - 750 V,						
	DC current 200 μ A - 10 A						
	Resistance 200 -2 M Ohm and Transistor & diode test.						
DIY Paper Microscope	DIY Paper microscope. Magnification range -100x to 2000x	5					
Telescope	All glass optical components Altazimuth mount suitable for terrestrial and astronomical use minimum 700 mm focal length	1					
Sewing Kit	Semi-Automatic Sewing machine Straight stitch Consumables - 2 set of assorted needles and 10- colour spool set.	1					
Glue Sticks	11 mm x 200mm Hot Melt Glue Stick	100					

Nuts and Bolts and screw	Specs - M4X12MM M4X20MM M5X16MM M5X25MM M6X20MM	40					
Cable Tie	Small Cable Tie Pack- Pack of 100	10					
	Medium Cable Tie Pack - Pack of 100	10					
	Big Cable Tie Pack - Pack of 100	10					
Sand Paper	Grit Values - 80, 100, 120, 200, 300. 5 Nos of each	10					
Power Strip Adaptors	Standard Quality Extension with 5Amp safety fuse. 5 or more sockets in each extension. 5-meter length of each extension.	5					
Bulb Holders	Regular Hanging Bulb holder	10					
Electric Wires	Twisted Red black pair	20					
USB TO DC jack cable	USB to DC jack cable for Battery bank	10					
First-Aid Kit	Standard Medical First Aid kit in portable container.	2					
Fire extinguisher (handy units)	Powder Type Fire Extinguisher 2KG	2					
Safety goggles (with/ without LED torch)	Polycarbonate Safety goggles Clear lens with no tint	30					
Safety Gloves Pairs	Latex Coating Gloves (Medium Size)	10					
Safety Mask	Filtering efficiency ranging 80 percent when tested against 0.3-micron sodium chloride particle	20					
Gear Box	This course makes it easier for children to understand the basics of Physics. The concepts that they learn helps them throughout their learning process in science concepts. Children build complex machines and mechanisms and see the advantage of one over the other. Moreover, they develop tremendous creator confidence in imagining and executing the output of their machine.	10					
Flame sensor	Flame sensor module	4					
Smart Circuit	The Smart Circuit kit contains more than 50 DIY (Do It Yourself) projects with more than 40 interactive simulations and 10	10					

	<p>real-world model templates and a colourful user manual with its easy-to-follow instructions, smart electronics kit gives a hands-on education in how electrical circuits work to run the everyday devices that they're familiar with. They'll also gain valuable lessons in building circuit design.</p> <p>This kit contains more than 12 electronic components, more than 30 magnetic blocks as well as more than 40 accessories for real model building along with dual power (USB + DC) which can be used to create many projects also no soldering is required.</p>						
Nuclear Reactor model	<p>-The model shows demonstration working of nuclear power plant</p> <ul style="list-style-type: none"> - It uses lights running effect to show the process - 30 x 23 x 4.5 cm; 1 Kilograms - Battery: 1 x 9V (Included) 	1					
Inorganic / Organic Chemistry Molecular Models	<ul style="list-style-type: none"> - Material: PP Plastic - Total number of pieces: 151 - Diameter for the balls: 23mm - With Box & Includes Manual - Kit Content: 24 hydrogens, 14 carbon, 8 oxygen, 3 nitrogens, 2 sulphur, 2 phosphorus, 6 halogens, 8 metal, 4 brown, 3 lone pair 2D paddles (beige) Links: 40 medium (grey), 6 medium (purple), 16 long flexible (grey). 	1					
Robotics DIY Kit	<p>This kit is reprogrammable& offers opportunity to explore the world of IoT and cloud computing and different network protocols. The controller should be having 32-bit word length with capability of network communication with in built 802.11 b/g/n. The kit also includes Chassis fibre, Bo motor, wheel, micro controller, connecting wires, Motor driver, IR sensor module, Bluetooth module, ultrasonic sensor, battery rechargeable, connectors, screw driver.</p>	3					

Laser ray optics kit	An exciting way to learn about optics by building and exploring common optical systems.	1					
Law of resistance kit	To verify the laws of combination.	1					
Transformer kit	Transformers are electrical devices that transfer energy from one circuit to another using no moving parts. They are commonly used to change voltages to useful levels and are integral to many household appliances.	1					
Set of polarizers	Polarizers are used in many optical techniques and instruments, and polarizing filters find applications in photography and LCD technology.	1					
Wave demonstrator	The Wave Motion Demonstrator (WMD) uses mechanical waves to illustrate many of the properties and behaviours common to various types of waves.	1					
Electric Motor Catalyst Kit	<p>Mechanical tinkering kit for learning by doing. The kit components are Real wood, real motors, real hardware.</p> <p>Comes with a deck of 10 inspirational challenge cards; no training, special skills, computer or smartphone required.</p> <p>Using this kit, students must able to do following activities.</p> <ol style="list-style-type: none"> 1. Create something that can make a loud Noise 2. Invent a tool that can cut a piece of paper by itself 3. Build a machine that draws curvy lines 4. Make a ride for one of your toys 5. Create something that moves in a straight line 6. Build a creature with spinning arm 7. Make a machine that can scramble an egg 8. Invent a robot that can move without wheels 9. Build something that can launch a wheel across the room 	4					

	10. Create a vehicle with a suspension system						
Robotics Learning Kit	construction set with more than 50+ different component made in plastic with multiple sensors, brain unit and booklet for student to perform practical. It should have motor with transparent gear box.	1					
Atomic Model Set	Atomic Model Set	2					
Digital pH meter	- Measuring range: 0. 00-14. 00 pH - Resolution: 0. 01 pH - Accuracy: 0. 01 pH - Batteries: 2 X 1. 5V LR44 (included) - Automatic temperature compensation: 0-50°C (32-122°F) - Dimensions: 15.3x2. 9x1. 6cm/6.1x1. 3x0. 6 inches - Net Weight: 52g	1					
Periodic Table Chart (Laminated)	Periodic Table Chart (Laminated)	1					
3d Model Cube & Square	3d Model Cube & Square	1					
3D Solid Model Cube, Cuboid, Cone, Cylinder, Prism, Pyramid Sphere	3D Solid Model Cube, Cuboid, Cone, Cylinder, Prism, Pyramid Sphere	1					
Compound Microscope	Compound Microscope	1					
3D Model of Human Heart	3D Model of Human Heart	1					
3D Model of Human System (Set of 5) (Circulatory, Respiratory, Nervous, Digestive, Reproductive)	3D Model of Human System (Set of 5) (Circulatory, Respiratory, Nervous, Digestive, Reproductive)	1					
3D Model of DNA	3D Model of DNA	1					
Bio-gas Plant model	- The model shows demonstration working of bio-gas plant - Biogas can be produced from raw materials such as agricultural waste, manure, municipal waste, plant material, sewage, green	1					

	<p>waste or food waste. Biogas is a renewable energy source. It can also be used in a gas engine to convert the energy in the gas into electricity and heat.</p> <ul style="list-style-type: none"> - HOW IT WORKS: Biogas systems make use of a relatively simple, well-known, and mature technology. The main part of a biogas system is a large tank, or digester. Inside this tank, bacteria convert organic waste into methane gas through the process of anaerobic digestion. - 30 x 23 x 4.5 cm; 1 Kilograms - Battery: 1 x 9V (Included) 						
Area of Parallelogram	Area of Parallelogram	1					
Atomic Structure Model	<ul style="list-style-type: none"> - Circular Atomic structure model with 30 proton, 30 neutron, and 30 electron pieces. - Atom Model allows students to use their hands, touch, feel, make their own atoms, isotopes or ions and learn the concepts in an interesting and easy manner. Model a single atom with the top. - Atom model with magnetic subatomic particle pieces demonstrates atoms, isotopes, and ions for students studying chemistry concepts. - Plastic for durability and ease of cleaning - Storage - Plastic Box - Dimension - 24 x 36 x 7 cm 	1					
Day & Night Model	Day & Night Model	1					
Electroplating Machine Working Model	<ul style="list-style-type: none"> - Kit for making a miniature electroplating unit to see: <ol style="list-style-type: none"> 1. Copper deposition on iron nail 2. Real life application of electroplating With the help of this hands-on kit, assimilate an elementary understanding of the Chemical effects of Electric Current. With this kit, kids will create their own battery with the help of water, salt (thus acting as an electrolyte) and two diodes to light a bulb! 	1					

	<p>Next, kids will learn about the effect of electroplating: the deposition of one diode's metal on the other!</p> <p>With the help of an apparatus similar to the first experiment, use Copper Sulphate in water as an electrolyte, and connect all kinds of objects in the place of the cathode: use an iron nail, wooden stick, iron sheet and aluminium sheet and sit back and observe the fascinating chemical reaction that occurs!</p>						
Faraday Law	Faraday Law	1					
Inclinor	<ul style="list-style-type: none"> - Inclinator Protractor Tilt Level Meter Angle Finder Clinometer with Magnetic Base - Easy And convenient to use - Measures angles accurately and quickly from 0-90 degrees in any quadrant - Accuracy within 1/2 of 1 degree - Magnetic base for mounting on steel framing square or Pipe - Package Dimensions: 10 x 10 x 6 cm; 100 Grams 	2					
Joint (Set of 6)	Joint (Set of 6)	1					
Kaleidoscope	Kaleidoscope	1					
Law of Inertia	Law of Inertia	1					
Lazy Tube	Lazy Tube	1					
Maxwell Wheel	Maxwell Wheel	1					
Mechanism of Breathing	Mechanism of Breathing	1					
Newton 1st Law	Newton 1st Law	1					
Newton 2nd Law	Newton 2nd Law	1					
Newton Cradle	Newton Cradle	1					
Fleming Left Hand Rule	Fleming Left Hand Rule	1					
Fleming Right Hand Rule	Fleming Right Hand Rule	1					
Periodic Table	Periodic Table	1					
Periscope	Periscope	1					
Phases of Moon	Phases of Moon	1					
Pythagoras Theorem By Reverse Method	<ul style="list-style-type: none"> - Colour: Yellow & Red - Material: Plastic - Size: 15 x 15 cm 	1					
Plant Cell	Plant Cell	1					
Square of Numbers power of 2 board	- Square of Numbers power of 2 board mathematics kit learning	2					

	resources kit geoboard manipulative						
	- Size 25x25 cm plastic (Multicolour)						
Algebra Case Kit	Colour: Yellow red Length: 41 cm Width: 41 cm Type: Case kit Brand:	1					
Resonance	Resonance	1					
Mensuration Kit	- Set of 11 demo activity kit	1					
	- Understanding geometric figures and their parameters like length, volume, shape, surface area, lateral surface area, etc						
	- Dimension: 40 x 30 x 8 cm						
	- Material: EVA Foam						
Solar System	Solar System	1					
Solar & Lunar Eclipse	Solar & Lunar Eclipse	1					
Water Quality Checker Models	- Water Quality Checker Science Working Model for Chemistry to Check Salt Impurities in Water - Product Dimension: 29 x 20 x 2 cm; 250 Grams - Battery: 1 x 9V (Included)	1					
Wind Mill	Wind Mill	1					
Triangle Congruence	- Allow children to learn about the classification and congruency of triangles according to sides and angle with the help of this kit. This kit consists of 5 different types of congruent triangles. - Material: EVA Form	1					
Prism Kit	- 1 x Glass Prism - 1 x Halogen light (Tungsten bulb:10-50 W) with holder	2					
Drip Irrigation System & Sustainable use of Natural Resources - Gardening Kit	Kit Dimension - 24 x 18 x 7 cm Kit Weight - 0.5 Kg Kit Components - 1 x Drip Irrigation Kit for 10 Plants 1 x Water Pump - Working Voltage - 12V Power Rating - 3W 1 x HM10 Bluetooth Module 2 x 3W Red Power LED 2 x 3W Blue Power LED 2 x Light Dependent Resistor 1 x Soil Moisture Sensor Module - 5V Operation 15 x 1/4W 10 ohm Resistor 20 x 20cm Male - Male Jumper Cable 20 x 20cm Male - Female	1					

	Jumper Cable 20 x 20cm Female - Female Jumper Cable pH Paper - 80 Strip Pack 1 x Power Adapter - Voltage Output - 12V Current Rating - 2A						
Human Body Parts and Structure	Material - EVA Foam Colour - Multicolour Dimension - 30 x 25 x 7 cm	2					
3D Pen	3D Pen with 3 * 1.75MM PLA Filaments 10m Each 3D Printing Pen 3D Pen Set with PLA Filament Included - Ready to Create	1					
Fun Rocket Launcher	Pipe approximate size of 50 * 1.5 cm dia, 3 pipes each of length 16 - 22 cm depending upon range of product selected, stand of pipe of Rocket Launcher, foam based 3 rockets, air bag (pumping air), helps in understanding concept of pressure and rocket basic working, it can go approximately 10- 12 ft high.	3					
Solar Car	Chassis for car and solar panel with wheel with motor Package Contains: 1 x Metal Chases Material: Steel (Powder Coated) Features: Up to 75mm (3 inch) Wheels maximum Diameter supported	1					
DIY Sound speaker	Product Name: Bluetooth Audio Amplifier Board Function type: Amplify audio Supply voltage: DC5V Bluetooth version: 5.0 Chip type: PAM8403	3					
Advance Digital Solar System	Standard	1					
Electronics Development	Battery, Pencil Cell 1.5 V AA	40					
Electronics Development	Inductor (1µH, 10µH,50µH,100µH,10mH (50 each)	250					
Power Extension Boards	5 Amp and 15 Amp both points in one board (Packed Plastic Body)	30					
Component Box Organizer	Plastic Boxy with individual boxes for each component	2					

Electronics Development	Timer IC LMC 555 (Voltage range - 4.5 v to 16 v)	30					
Safety equipment	Fire extinguisher (handy units) Powder Type Fire Extinguisher 2KG	2					
Steel Almirah	<ul style="list-style-type: none"> • Size: 50"H x 30"W x 17 ' Depth • The Cup Board should be made of 26G. • CRCA sheet with two door and two fixed shelves. • The pedestal should be of 3" height. 	1					
Refurbishment of Lab	Asian plastic Paint with High-quality paint more evenly to create a smoother finish in all walls and top with repair of walls with putti and In Electrical fittings 4 power point on walls with 2 socket and one socket for Projector	1					
Branding/Postering	Banners in lab for the Science Centres 4 poster and 3 banners and with safety banners, signage etc	1					

Place:

Date:

Signature and Stamp of the Bidder

Name:

Designation: