## SHORT NOTICE INVITING EOI

(https://eproc2.bihar.gov.in).

- Bihar Education Project Council (BEPC), Patna, invites "Request for Proposal (RFP) for Supply, Installation & Training for Operationalization of ATL Lab at 76 Government Secondary/Senior Secondary Schools in Bihar."
- The complete RFP documents can be seen on and downloaded from the website https://www.eproc2.bihar.gov.in.

## III. Schedule of Events:

SL	Information	Details
1	RFP Issuing Authority	State Project Director, Bihar Education Project Council (BEPC)
2	RFP No. and Date of availability	RFP Reference No. BEPC/ATL Lab 2024-25/3977, Dated 07.10.2024 Available for download from 08/10/ 2024, 10:00 PM onwards till 28/10/2024, 4:00 PM on e-proc-2 website
3	Last date for submission of written queries for clarifications	15/10/2024, 5:00 pm Email: ssabihar@gmail.com
4	Date of pre-bid conference	16/10/2024, 11:00 pm at https://us02web.zoom.us/j/81546272058?pwd=SIIzRzhiV HVCVTg4NFQ5MTZMMWY5UT09 Meeting ID: 815 4627 2058 Passcode: abc123 Virtual Mode e-mail: ssabihar@gmail.com
5	Release of response to clarifications	18/10/2024, 5:00 PM
6	Last date of submission of bid	28/10/2024, 4:00 PM
7	Last date of submission of Hard copy of BG and Samples at BEPC	28/10/2024, 4:00 PM
8	Opening of Technical Bids	28/10/2024, 4:30 PM
9	Opening of Financial Bids	To be intimated
10	Contact person for queries	Shri Shahjahan, Administrative Officer, BEPC, Shiksha Bhawan, Bihar Rastrabhasha Parishad Parishar, Saidpur, Rajendra Nagar, Patna 800004. e-mail: ssabihar@gmail.com

(Shahjahan)
Administrative Officer
Bihar Education Project Council

## RFP Reference No. BEPC/ATL Lab 2024-25/3977, Dated 07.10.2024



## Request for Proposal (RFP) For

# SUPPLY, INSTALLATION & TRAINING FOR OPERATIONALIZATION OF ATL LAB AT GOVERNMENT SECONDARY/SENIOR SECONDARY SCHOOLS IN BIHAR

Bihar Education Project Council 2nd/3rd Floor, Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus, Saidpur, Rajendra Nagar, Patna - 800 004 (Bihar)

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#### DISCLAIMER

- 1. While this Request for Proposal document ("RFP") has been prepared in good faith, neither Bihar Education Project Council (BEPC), GoB nor its employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of Information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP, even if any loss or damage is caused by any act or omission on their part.
- 2. This document is not transferable, and this RFP does not purport to contain all the information that each Bidder may require and accordingly is not intended to form the basis of any investment decision or any other decision to participate in the bidding process for the selection of the Successful Bidder for this Project. Each Bidder should conduct their own investigations and analysis and check the accuracy, reliability, and completeness of the information in this document and obtain independent advice from appropriate sources
- 3. Though adequate care has been taken while preparing this Bid Document, the Bidder shall satisfy themselves that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately.
- 4. BEPC, GoB may modify, amend, reject or supplement this RFP document in accordance with norms and procedures and as per the requirement of the project. BEPC, GoB reserves the right to waive any irregularity in the proposal (RFP) and the BEPC, GoB makes it clear that the RFP is not an offer/ Agreement.
- 5. Neither the BEPC, GoB nor its employees shall be liable to any Bidder or any other person under any law including the law of Agreement, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise, or be incurred, or suffered, in connection with this RFP document, or any matter that may be deemed to form part of this RFP document, or the award of the Agreement, or any other information supplied by the BEPC, GoB or their employees or consultants or otherwise arising in any way from the selection process for the award of the Agreement for the Project.
- 6. BEPC, GoB is not bound to accept any or all the Proposals. BEPC, GoB reserves the right to reject any or all the Proposals without assigning any reasons. No Bidder shall have any cause for action or claim against the BEPC, GoB or its officers, employees, successors, or assignees for rejection of their bid. The RFP submitted by the bidder will be the property of the BEPC, GoB.

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## Glossary

Abbreviation/ Terms	<b>Details</b>
Authorized Signatory	The bidder's representative / officer vested (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 (PoA) from the competent authority of the respective Bidding firm.
BEPC	Bihar Education Project Council (BEPC),
Bid	A formal offer made in pursuance of an invitation by a procuring entity and includes any tender, proposal or quotation in electronic format
Bid Security/ Earnest Money Deposit (EMD)	A security provided to the procuring entity by a bidder for securing the fulfilment of any obligation in terms of the provisions of the bidding documents.
Bidder	Any person/ firm/ agency/ company/ contractor/ vendor participating in the bidding process with the procurement entity
<b>Bidding Document</b>	Documents issued by the procuring entity, including any amendments thereto, that set out the terms and conditions of the given procurement and includes the invitation to bid
Competent Authority	An authority or officer to whom the relevant administrative or financial powers have been delegated for taking decision in a matter relating to procurement.  Joint Secretary, Department of Education, GoB shall be the Competent Authority in this bidding document.
Contract	"Contract" means a legally enforceable agreement entered into between the Procuring entity and the selected bidder(s) with mutua obligations.
LD	Liquidated Damages
LoA	Letter of Acceptance
Lol	Letter of Intent
PAN	Permanent Account Number
PQ	Pre-Qualification
Procurement Process	The process of procurement extending from the issue of invitation to Bid till the award of the procurement contract or cancellation of the procurement process, as the case may be
Purchaser/ Tendering Authority/ Procuring Entity	Person or entity that is a recipient of a goods or service provided by a seller (bidder) under a purchase order or contract of sale, also called buyer. BEPC, GoB in this BID document.
Services	Any subject matter of procurement other than goods or works and includes physical, maintenance, professional, intellectual, consultance and advisory services or any service classified or declared as such by a procuring entity



Service Level Agreement (SLA)	Service Level Agreement is a negotiated agreement between two parties wherein one is the customer and the other is the service provider. It is a service contract where the level of service is formally defined. In practice, the term SLA is sometimes used to refer to the contracted delivery time (of the service) or performance.  Government of Bihar (GoB)	
State Government		
GST	Goods and Service Tax	
WO/PO	Work Order/ Purchase Order	



## Schedule of Bid Process

SL	Information	<b>Details</b>	
1	RFP Issuing Authority	State Project Director,	
		Bihar Education Project Council (BEPC)	
2	RFP No. and Date of availability	RFP Reference No. BEPC/ATL Lab 2024-25/3977, Dated 07.10.2024	
		Available for download from 08/10/2024, 10:00 PM onwards till 28/10/2024, 4:00 PM on e-proc-2 website	
3	Last date for submission of written queries for clarifications	15/10/2024, 5:00 pm	
	questions	Email: ssabihar@gmail.com	
4	Date of pre-bid conference	16/10/2024, 11:00 pm at https://us02web.zoom.us/j/81546272058?pwd=SllzRzhiVHVCVTg4NlQ5MTZMMWY5UT09	
		Meeting ID: 815 4627 2058	
		Passcode: abc123	
		Virtual Mode e-mail: ssabihar@gmail.com	
5	Release of response to clarifications	18/10/2024, 5:00 PM	
6	Last date of submission of bid	28/10/2024, 4:00 PM	
7	Last date of submission of Hard copy of BG and Samples at BEPC	28/10/2024, 4:00 PM	
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9	Opening of Financial Bids	To be intimated	
10	Contact person for queries	The State Project Director,	
		Bihar Education Project Council,	
		Shiksha Bhawan, Bihar Rashtra Bhasha Parishad Campus,	
		Saidpur - 800 004.	
		e-mail : ssabihar@gmail.com	

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## 1. REQUEST FOR PROPOSAL

State Project Director, Bihar Education Project Council, Patna invites Bid for "SUPPLY, INSTALLATION & TRAINING FOR OPERATIONALIZATION OF ATL LAB AT 76 GOVERNMENT SECONDARY/SENIOR SECONDARY SCHOOLS IN BIHAR" from eligible agencies. The bids comprising mandatory compliance along with technical bids and price bids shall be submitted on eproc-2 webiste. The Scope of Services forming part of the Assignment has been set out hereunder in this document. The Proposals would be evaluated on the basis of the evaluation criteria set out in this RFP ("Evaluation Criteria") to identify the successful Bidder for the Assignment ("Successful Bidder")

#### 1.1 Structure of the RFP

BEPC, GoB intends to follow a 'two stage' bid process for selection of the successful agency under LCS (Least Cost Based Selection Method)', as outlined in this RFP.

The Bidders would need to submit Pre-Qualification, Technical and Financial Proposal in the prescribed formats, within the Proposal Due Date as prescribed under the "Fact Sheet" of this RFP. BEPC, GoB would evaluate all the Submissions in accordance with the evaluation criteria set out in the RFP to select a qualified bidder.

## 1.2 Obtainability of RFP Document

RFP document can be downloaded from the website www.eproc2.bihar.gov.in after paying tender fee of Rs. 5000/-and processing fee of Rs. 590 /. The fees will have to be paid through online on the above-mentioned website. Proposals received without or with inadequate RFP Document fees shall be rejected.

#### 2. BACKGROUND INFORMATION

Bihar Education Project Council (BEPC) is an autonomous body of Education Department, Govt. of Bihar. Bihar Education Project Council has now been entrusted to implement Samagra Shiksha, a holistic school education programme in the backdrop of National Education Policy, 2020 after the successful implementation of BEP, DPEP III, Sarva Shiksha Abhiya along with NPEGEL.

The Selected Agency will have to Supply, Installation & Training for operationalization of ATL Lab at 76 Government Secondary/Senior Secondary schools in Bihar. Details about the items contain in the Lab and tentative number of items along with specifications are given in Annexure-I.

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## 3. INSTRUCTIONS TO BIDDERS

#### 3.1 SUBMISSION PROCEDURE

- a) The bidders should submit their responses as per the format given in this RFP in the following manner: Technical Proposal and Commercial Proposal
- b) Please Note that prices should not be indicated in the Technical Proposal but should only be indicated in the Commercial Proposal.
- c) All the pages of the proposal must be sequentially numbered and must contain the list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bid.
- d) The bids shall be uploaded through http://eproc2.bihr.gov.in as per the instructions available on the website

#### 3.2 NUMBER OF PROPOSALS

Each Bidder must submit only one (1) Proposal, in response to this RFP. Any Bidder who submits or participates in more than one Proposal shall be disqualified.

#### 3.3 PROPOSAL PREPARATION COST

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

## 3.4 RIGHT TO ACCEPT OR REJECT

a) The BEPC, GoB may reject a proposal at any stage if it is found that the firm recommended for award has indulged in corrupt or fraudulent activities in competing for the contract in question, and may also declare a firm ineligible or blacklist the firm, either indefinitely or for a stated period of time, if at any time it is found that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

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- b) Notwithstanding anything contained in this RFP, the BEPC, GoB reserves the right to accept or reject any Proposal and to annul the bidding process and reject all Proposals at any time, without any liability or any obligation for such acceptance, rejection or annulment, without assigning any reasons.
- c) BEPC GoB reserves the right to reject any Proposal if, at any time, a material misrepresentation made by a Bidder at any stage of the bidding process is discovered.

## 3.5 CLARIFICATIONS

A prospective Bidder requiring any clarification on the RFP must notify the BEPC, GoB in writing to The State Project Director, Bihar Education Project Council, GoB within such date as specified in RFP Time Schedule. At its sole discretion, BEPC, GoB will upload its response to such queries on the website <a href="https://www.bepcssa.in\_www.eproc2.bihar.gov.in.">https://www.bepcssa.in\_www.eproc2.bihar.gov.in.</a> Bidders requiring specific points of clarification may communicate with the BEPC, GoB during the specific period using the following format. The queries can be submitted by email at <a href="mailto:ssabihar@gmail.com">ssabihar@gmail.com</a> with name of assignment as the subject, in the following format:

	Bidd	ers Request for Clarification		
Name of Organization submitting request		Name and Position of person submitting request	Details of person and organization	
			Address: Tel: E-mail: Mobile:	
S. No	Bidding Document Reference (Number//Page)	Content of RFP requiring Clarification	Points of Clarification Required	Suggestions (If Any)
1				
2				

#### 3.6 AMENDMENTS TO RFP

At any time prior to the Proposal Due Date, as indicated in the RFP Time Schedule, BEPC, GoB may, for any reason, whether at its own initiative or in response to clarifications requested by a bidder, amend the RFP by the issuance of Addenda. Such Addenda would be posted on the website <a href="https://www.bepcssa.in">https://www.bepcssa.in</a> / <a href="www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> In order to afford Bidders reasonable time to take the Addendum into account, or for any other reason, BEPC, GoB may, at its discretion, extend the Proposal Due Date.

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## 3.7 LANGUAGE AND CURRENCY

The Proposal and all related correspondence and documents must be written in English language. Supporting documents and printed literature furnished by the Bidder with the Proposal may be in any other language if they are accompanied by an appropriate translation in English language. Supporting materials that are not translated into English shall not be considered. For the purpose of interpretation and evaluation of the Proposal, the English language translation shall prevail. The currency for this bid is Indian Rupee. All the quotes should be in Indian Rupees only.

## 3.8 VALIDITY OF PROPOSAL

- a) The Proposal must be valid for a period not less than 90 days from the Proposal Due Date ("Proposal Validity Period"). BEPC, GoB reserves the right to reject any Proposal that does not meet this requirement.
- b) Prior to expiry of the Proposal Validity Period, BEPC, GoB may request the Bidders to extend the period of validity for a specified additional period.
- c) The Successful Bidder shall, where required, extend the validity of the Proposal till the date of execution of the Agreement.

## 3.9 BID SECURITY

- a) Bidders shall submit, along with their Bids, EMD of INR 16 lakhs (Sixteen Lakhs only) in the form of Bank Guarantee issued by any Scheduled bank. EMD will be valid till 31.12.2024. (Bank Details: State Project Director - BEPC, A/c No. 245001000002776, IFSC Code - IOBA0002450)
- b) The bid / proposal submitted without EMD, mentioned above, will be summarily rejected.
- c) Micro, small and start up agencies registered for doing similar work are exempted from the payment of EMD, as per Government policy, subject to submission of valid registration certificate with the bid.
- d) The Bid Security shall be returned to the unsuccessful Bidders within a period of two (2) weeks from the date of signing of Agreement between the Department of Education, GoB and the Successful Bidder.
- e) The bid security of the successful bidder will be returned to the successful bidder on the submission of the Performance Security as specified in the RFP document.

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- f) The Bid Security shall be forfeited in the following cases:
  - · If the Bidder withdraws its Proposal;
  - If the Bidder withdraws its Proposal during the interval between the Proposal Due Date and expiration of the Proposal Validity Period; and
  - If any information or document furnished by the Bidder turns out to be misleading or untrue in any material respect.
  - If the bidder, after the award of work order, fails to submit the performance security within the stipulated time.

#### 3.10 BIDDER'S RESPONSIBILITY

- a) The Bidder is expected to examine carefully the contents of all the documents provided. Failure to comply with the requirements of RFP shall be at the Bidder's own risk.
- b) It shall be deemed that prior to the submission of Proposal, the Bidder has:
  - Made a complete and careful examination of terms & conditions/ requirements, and other information set forth in this RFP document.
  - Received all such relevant information as it has requested from the BEPC, GoB; and
  - Made a complete and careful examination of the various aspects of the Assignment.
- c) BEPC, GoB shall not be liable for any mistake or error or neglect by the Bidder in respect of the above.
- d) All taxes payable to government must be paid by the service provider as per applicable norms and procedure. BEPC, GoB is nowhere liable and responsible for payment of such taxes. Only GST payment will be made by BEPC, GoB as per applicable rates on the fee quoted by the agency.

## 3.11 CORRESPONDENCE/ ENQUIRY

All correspondence/enquiries must be submitted to the following in writing by email/ fax/registered post with **name of assignment** as the subject. The details are:

The State Project Director, Bihar Education Project Council, Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus, Saidpur - 800 004. e-mail: ssabihar@gmail.com

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## 3.12 FORMAT AND SIGNING OF PROPOSAL

- a) Bidders must provide all the information as per this RFP and in the specified format. BEPC, GoB reserves the right to reject any Proposal that is not in the specified format.
- b) The Proposal must include submissions to be made on the respective Proposal Due Date as set out in RFP Time Schedule.
- c) The person(s) signing the Proposal must initial all the alterations, omissions, additions, or any other amendments made to the Proposal.

## 3.13 MODIFICATION/SUBSTITUTION/WITHDRAWAL OF PROPOSAL

- a) The Bidder may modify, substitute, or withdraw its Proposal after submission, provided that a written notice of the modification, substitution or withdrawal is received by BEPC, GoB before the Proposal Due Date. No Proposal shall be modified, substituted, or withdrawn by the Bidder after the Proposal Due Date.
- b) The modification, substitution or withdrawal notice shall be prepared, sealed, marked and delivered in accordance with outer envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL", as appropriate.
- c) Withdrawal of a Proposal during the interval between the Proposal Due Date and expiration of the Proposal Validity Period will result in forfeiture of the Bid Security in accordance with this RFP.

## 3.14 PROPOSAL DUE DATE

- a) Proposals must be submitted as per information provided in this RFP.
- b) BEPC, GoB at its sole discretion; accept any Proposal(s) after Proposal Due Date. Any such Proposal/s accepted shall be deemed to have been received by the Proposal Due Date.

## 3.15 TEST OF RESPONSIVENESS

Initial Bid scrutiny will be held and incomplete details as given below will be treated as non-responsive, if Proposals:

- a) Are not submitted in as specified in the RFP document.
- b) Are found with suppression of details.

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- c) With incomplete information, subjective, conditional offers and partial offers submitted.
- d) Submitted without the documents requested in the checklist.
- e) Have non-compliance of any of the clauses stipulated in the RFP.
- f) With lesser validity period.
  - All responsive Bids will be considered for further processing. The BEPC will prepare
    a list of responsive bidders, who comply with all the Terms and Conditions of the
    Tender. All eligible bids will be considered for further evaluation by a committee
    according to the Evaluation process define in this RFP document. The decision of
    the Committee will be final in this regard.
  - BEPC, GoB reserves the right to seek clarification or reject any Proposal which in its opinion is non-responsive and no request for modification or withdrawal shall be entertained by Department of Education, GoB in respect of such Proposal.

## 3.16 CONFIDENTIALITY

Information relating to the examination, clarification, evaluation and recommendation for the Qualified Bidders shall not be disclosed to any person not officially concerned with the process. The BEPC, GoB will treat all information submitted as part of the Proposal in confidence and will ensure that all those who have access to such material to treat it in confidence. BEPC shall not divulge any such information unless ordered to do so by any statutory authority that has the power under law to require its disclosure.

## 3.17 CLARIFICATIONS

To assist in the process of evaluation of Proposals, BEPC, GoB may, at its sole discretion, ask any Bidder for clarification on its Proposal or substantiation of any of the submission made by the Bidder.

## 3.18 PROPOSAL EVALUATION

The Qualification Submissions of the Bidders would be checked for responsiveness with the requirements of the RFP and shall be evaluated as per the Criteria set out in this RFP

## 3.19 DECLARATION OF SUCCESSFUL BIDDER

After the Proposal of the tenderer technically qualified with LCS (Least Cost Based Selection) criteria, BEPC, GoB shall declare the tenderers as the successful bidders.

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## 3.20 NOTIFICATIONS

BEPC, GoB will notify the Successful Bidder by a Letter of Intent (LoI) that their Proposal has been accepted.

## 3.21 BIHAR EDUCATION PROJECT COUNCIL, GOB'S RIGHT TO ACCEPT OR REJECT PROPOSAL

- a) BEPC, GoB reserves the right to accept or reject any or all the Proposals without assigning any reason and to take any measure as it may deem fit, including annulment of the bidding process, without liability or any obligation for such acceptance, rejection or annulment.
- b) BEPC, GoB reserves the right to invite revised Proposals from Bidders with or without amendment of the RFP at any stage, without liability or any obligation for such invitation and without assigning any reason.
- c) BEPC, GoB reserves the right to reject any Proposal if at any time:
  - A material misrepresentation made at any stage in the bidding process is uncovered; or
  - The Bidder does not respond promptly and thoroughly to requests for supplemental information required for the evaluation of the Proposal.
- d) This would lead to the disqualification of the Bidder. If such disqualification / rejection occurs after the Proposals have been opened and the Successful Bidder gets disqualified/ rejected, then BEPC, GoB reserves the right to -
  - Take any such measure as may be deemed fit in the sole discretion of BEPC,
     GoB, including annulment of the bidding process.

## 3.22 PERFORMANCE BANK GUARANTEE (PBG)

- a. The successful bidder must furnish an unconditional and irrevocable bank guarantee / demand draft, in a format acceptable to BEPC, GoB valid for the contract term, of a value equivalent to 5% of the contract value within 07 days of award of Letter of Intent (LOI). PBG will be valid till 31.03.2025.
- b. Failure to submit the PBG within the time stipulated in the LOI may lead to cancellation/ withdrawal of LOI and, in such case, BEPC, GoB reserves the right to declare the L 2 bidder as the successful tenderer and proceed with the contractual process or take any such measure as may be deemed fit by Department of Education, GoB, including annulment of the bidding process.

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## 4. CRITERIA FOR EVALUATION

## 1.1 ELIGIBILITY CRITERIA

A bidder participating in the bidding process shall possess the following minimum qualification/ eligibility criteria. Any bidder failing to meet the stated criteria shall be summarily rejected and will not be considered for financial evaluation.

Sl	Conditions	Documents to be submitted
1	The Bidder should be a Company registered under Indian Companies Act 1956/2013 and must be at least five years old entity.  The Bidder should have the following Registrations:  PAN Number GST Registration  Note: Consortium in any form is not allowed.	a) Certificate of Incorporation b) GST certificate c) Copy of PAN
2	The bidder should have an annual turnover of minimum INR 5 (Five) crores or more every year in the last three financial years ended on 31.03.2024 during 2021-22 to 2023-24.	Audited Financial Statements of last three financial years.
3	The net worth of the bidder in the last five financial years, (as per the last published audited balance sheet) should be positive.  The bidder should be profitable and should not be in loss in the last five years (as per the last published audited balance sheet) i.e. during 2021-22 to 2023-24.	Copy of Balance Sheet and CA Certificate with 18 digit UDIN number.
4	The Bidder must not have been blacklisted for fraudulent practices by any of its clients, Central	Self-Declaration (Refer Format Annexure-3)

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	Government / State Government / UT Government / Government Undertakings / University / Educational Institutions / Government Bodies / PSUs in India as on the Date of submission of the bid.	
5	The bidder must have successfully undertaken at least the following numbers of Similar assignments of value specified herein: -  One project not less than the amount of ₹3,00,00,000 (Three Crores Only)	Work Order and Completion Certificate.
	OR  Two projects not less than the amount of Rs. ₹2,25,00,000/- (Two Crores Twenty Five Lakh Only)  OR	
	Three projects not less than the amount of Rs. 1,50,00,000/- (One Crore Fifty Lakh Only)	
	Similar Experience assignments defined as: Establishment of ATL/ STEM Labs/ Science Lab/Math Lab in schools under State or Central Government in last three years as on 31.03.2024.	
6	Sample submission	Samples for all the items along with the videos and user manuals, demo logins of the proposed software as per the scope of work are to be submitted on or before bid submission date
8	OEM MAF - The bidder should submit the manufacturer authorization for Specified item to be supplied as per Annexure-1. OEM cannot authorize one tool/item to more than one Bidder under	MAF format as enclosed - Desktop Computer





	this RFP. Bidder should also OEM POA of the signing authority	- Sewing Machine - Interactive Flat panel
9	OEM Criteria	
9.1	Desktop Computer	Factory certification ISO 27001, ISO9001, ISO14001, SA8000:2014, ISO 20000-1:2018, ISO 500001:2018, OEM log should be embossed on Motherboard, Monitor, Keyboard, Mouse etc no sticker, OEM should be in IDC top 4 rank in India for Desktops for last two years, Average turnover should be 500 Cr in last three financial years i.e. 2021-22, 2022-23 and 2023-24 with positive net worth
9.2	Sewing Machine	OEM should have an average annual turnover of a minimum of INR 60 crores in the last three financial years. i.e. 2021-22, 2022-23 and 2023-24. (Audited Financial Statements of last three financial years.)
9.3	Interactive Flat Panel	OEM should have an average annual turnover of a minimum of INR 350 crores in the last three financial years. i.e. 2021-22, 2022-23 and 2023-24. (Audited Financial Statements of last three financial years.)
10	The Bidder must have a valid certificate:  ISO 9001 -2015 ISO 27001	Copy of Valid certificates in the name of Bidder.
11	Consortium are not allowed under this as	ssignment

## 4.2 Technical Evaluation Criteria

Only those bidders who qualify in Pre-Qualification as per above will be considered for Technical Evaluation. During the process of evaluation of the Technical Proposals, the Tender Committee may seek additional information and clarifications from any or all the bidders. This clarification will be sought through email communications/request a personal visit of the

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authorized representatives of the bidder. The bidder is expected to provide the clarifications or additional information within the stipulated time as indicated in the communication. If the bidder fails to provide the clarification or additional information, the information provided in the technical proposal only will be used for evaluation. Only the bidders, who score a Technical score of more than 75 Marks will qualify for the evaluation in the commercial bid.

The technical bid will be evaluated on the below mentioned criteria:

Sl. No.	Description	Description Evaluation Criteria		Maximum Marks	
. 1	The bidder should have annual turnover of minimum INR 5 Cr every	₹5 to ₹7.5 Cr.	2.5	10	
	year in last 3 financial years 2021-22, 2022-23 and 2023-24)	More than ₹7.5 Cr. to ₹10 Cr.	5		
		More than ₹10 Cr.	10		
2	The bidder should have Experience in implementation of ATL/STEM	Order value of ₹5 to ₹7.5 Cr.	5	15	
	labs/Science Lab/Math Lab in single order Government schools under State or Central Government in last five years as on 31.03.2024.	Order value of More than ₹7.5 Cr. to ₹10 Cr.	10		
		Order value of more than ₹10 Cr.	15		
3	The bidder should have Experience in implementation of ATL Lab in Government schools under State or	Implementation of 2 projects	10	15	
	Central Government in last five years as on 31.03.2024.	Implementation of more than 2 projects	15		
4	The bidder should have Experience in Implementation of Project with QR based Supply Chain Monitoring Software tools in Government	02 projects and above	5	10	





	Total			100
6	<ul> <li>Demonstration of Samples.</li> <li>Previous case studies.</li> <li>Assessment platform software and</li> <li>QR based Supply Chain Monitoring Software.</li> <li>Agency/Firm will be invited for presentation.</li> </ul>			20
	Agency/ Firm will be invited for a demonstration also.			
5	Note: Sample of all materials of ATL Lab along with all videos as per RFP (Scope of Work) should be submitted on or before last date of bid submission.	Quality of Sample Submission	20	20
	Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2023.	03 projects and above	10	
4	The bidder should have Experience in Implementation of Project with Learning Management Software tools in Government	02 projects and above	5	10
	Schools/Institution under State or Central Government/ Autonomous Body in last five years as on 31.03.2024.	03 projects and above	10	

#### Note: -

• Kit Samples (i.e. 1 Sets consisting of all items) shall be sealed and separately submitted by the bidder on or before bid submission date and time.

## To qualify the technical evaluation stage, the bidder must score a minimum of 75 mark

## 4.2 Sample Evaluation Criteria

Only those bidders who qualify in the above technical qualification criteria will be considered for sample evaluation. During the process of evaluation of the sample, at least 75% of items must be acceptable. If 75% of the sample items are not acceptable, then bidder/bidders will disqualify in technical evaluation criteria.

If at least 75% of sample items are found to be acceptable, then the bidder will be given an option to replace the non-acceptable sample items (up to maximum 25% sample items) within 5 working days as suggestions given by expert committee of BEPC.

After the final acceptance of 100% sample or bidders who qualify in demonstration of sample, will finally qualify for the financial bid evaluation. A demonstration of all the submitted samples shall be done. Along with the samples, demonstration of Software is also to be shown.

Non submission of samples, and software login credentials will lead to rejection of the bid.

## 4.3 Financial Bid Evaluation

- Only those bidders, who qualify in the technical qualification criteria (with minimum 75% score) and final acceptance of 100% sample items, will qualify for the evaluation of their commercial bids.
- The Financial bids of qualified bidders will be opened on the prescribed date.
- The bid price will include all taxes and levies and shall be in Indian Rupees.
- · Any conditional bid would be rejected.
- Errors & Rectification: Arithmetical errors will be rectified on the following basis: "If there is a
  discrepancy between the unit price and the total price that is obtained by multiplying the unit price
  and quantity, the unit price shall prevail and the total price shall be corrected. If there is a
  discrepancy between words and figures, the amount in words will prevail".
- Bidders will quote item wise rates (all items) in BOQ, if there is no price quoted for any item/items/material or service, the bid shall be declared as disqualified.
- The Total Bid Price, as computed by the Purchaser shall be used for the purpose of commercial evaluation of bids.

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- Lowest Cost Based Selection (L1) Method shall be used to select the bidder.
- BEPC reserves the right to split the work on L1 rate among L1 & L2 or L1, L2 & L3 bidder and so
  on.

#### 4.4 AWARD OF CONTRACT

- a. The Authority will award the Contract to the Bidder whose bid has been determined to be substantially responsive and has been determined as the best bid on the basis of LCS evaluation.
- b. The Authority shall however not bind itself to accept the best bid or any bid and reserves the right to accept any bid, wholly or in part.
- c. BEPC, GoB shall notify the successful bidder in writing that the proposal has been accepted.
- d. An agreement shall be signed between BEPC, GoB and the selected bidder's laying down the conditions of work, payment etc.
- e. Letter of Intent award and its acceptance by the selected bidder shall constitute a legal binding between BEPC, GoB and the selected bidder till such time the contract agreement is signed.
- f. The EMD of unsuccessful candidate will be returned within 15 days of selection of the Agency.

#### 5. SCOPE OF WORK

The Scope of Work for the agency is not limited but would include the following:

- I. The rates shall be on F.O.R at 76 secondary/senior secondary across the Bihar, or any of the locations as per the requirement within Bihar. BEPC shall made available the details regarding all 76 secondary/senior secondary with Nodal Officer name and contact number where selected agency shall supply, install and conduct training for the functioning of lab.
- II. Timeline for the completion of project is 90 days in from the date of issue of Letter of Intent (LoI).
- III. The rate contract will be initially for a period of one year and extendable for a further period of one more year under mutual agreement at the same terms and

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conditions subject to satisfactory performance of the agencies.

- IV. Item wise Price along with total price per school shall be quoted in BOQ chart as indicated in the technical specifications.
- V. Detailed specifications are followed in Annexure 1.
- VI. Prices shall be firm until the completion of work or supply and no enhancements of rates will be done / is permitted because of any escalation during the period of rate contract.
- VII. BEPC, GoB reserves the right to accept or reject any or part of offers without assigning any reasons.
- VIII. The supply, installation & training for operationalization of ATL lab should be done within 90 days from the date of issuance of LoI and incase of any delay in delivery, penalty will be charged as per rules. However, bidder will arrange the inspection of materials as early as possible to get Delivery Certificate on satisfactory pre-delivery inspection report.
  - IX. The quantity of items can be increased or decreased as per our requirements.
  - X. The supply, installation & training for operationalization of ATL lab shall be carried out strictly in accordance with the terms & conditions and specifications as stipulated in the tender, in the approved workman like manner and as per standard practice. Materials supplied shall be of high quality.

## 5.1 PROJECT DURATION AND RESOURCE DEPLOYEMNT

The project period will be **12 months** starting from the Actual Date of Work Started i.e. date of issue of Letter of Intent (LoI).

The agency shall deploy a **full-time resource** at the client's location for the entire contract's duration.

## 5.2 PAYMENT SCHEDULE AND PENALTY

Payment will be released after the satisfactory receipt of material, their installation and conduction of training for functioning of the lab. BEPC will provide the designated locations for supply, installation and conduct training through the concerned coordinator at BEPC.

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If the selected bidder fails to perform services within the stipulated time schedule, the BEPC shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquated damages, a sum equivalent to 1.0 % per week of the undelivered items.

However, supply, installation and training for at least 20% schools (quantity) against purchase order will be completed and submission of bill along with delivery challan, for the same, the payment of 75% amount against that bill amount shall be released. The remaining 25% of the amount will be paid after completion of installation and commissioning.

#### Note:

- 1. Payment will be as per GFR.
- 2. All payment to the Agency will be made in Indian Rupees.
- 3. GST component shall be paid as applicable and as per actuals.
- 4. No advance payment will be made.
- 5. For facilitating Electronic Transfer of funds, the selected Agency will be required to indicate the name of the Bank & Branch, account no. (i.e. bank name, IFSC Code and Bank A/c No.) and forward a cheque leaf duly cancelled, to verify the details furnished. These details should also be furnished on the body of every bill submitted for payments by the selected Agency.

## 6. Dispute Resolution

- a) The bids and any contract resulting there from shall be governed by and construed according to the Indian Laws.
- b) All settlement of disputes or differences whatsoever, arising between the parties out of or in connection to the construction, meaning and operation or effect of this Offer or in the discharge of any obligation arising under this Offer (whether during the course of execution of the order or after completion and whether before or after termination, abandonment or breach of the Agreement) shall be resolved amicably between Department and the vendor's representative.
- c) In case of failure to resolve the disputes and differences amicably within 30 days of the receipt of notice by the other party, then the same shall be resolved as follows:

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- I. Conciliation: All disputes or differences whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be first settled by way of conciliation and failing which, by way of arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the parties.
- II. The dispute shall be first referred to the Development Commissioner for conciliation who shall conduct conciliation proceedings which will be held at Patna, Bihar.
- III. Arbitration: In case the conciliation proceedings fail, the dispute shall be referred to the arbitration as per the Arbitration Act.
- IV. All legal disputes will come under the sole jurisdiction of Patna, Bihar. The venue of the arbitration shall be Patna.
- d) The Arbitral award shall be final and binding on both the parties.
- e) Work under the contract shall be continued by the vendor during the arbitration proceedings unless otherwise directed in writing by Department unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained. Save as those which are otherwise explicitly provided in the contract, no payment due, or payable by Department, to the vendor shall be withheld on account of the ongoing arbitration.

## 7. Termination & Blacklisting

- The Department may terminate this Agreement and Blacklist/Debar the vendor, in case of
  occurrence of any of the events specified below. In the event of such an occurrence, the First
  Party may give not less than 15 days written notice of termination to Second Party.
  - a) If the vendor is in material breach of its obligations pursuant to this Agreement and has not remedied the same within 15 days.
  - b) If the vendor becomes insolvent or goes into compulsory liquidation
  - c) If the vendor, in the judgement of Department, has engaged in corrupt or fraudulent practices in competing for or in executing the contract
  - d) If the vendor submits to the Department a false statement which has a material effect on the rights, obligations, or interests of the Department.
  - e) If the vendor places itself in a position of conflict of interest or fails to disclose promptly any conflict of interest to the Department.
  - f) If the vendor fails to provide Quality services as envisaged under this Agreement.

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- g) The serious discrepancy and delay in delivery of services or the performance levels agreed upon might have an impact on the functioning of the Department.
- h) Failure of the vendor mobilize manpower, follow local laws, clumsy execution of work, and total disregard to public safety and its own employees.
- i) Failure to abide by any lawful directions of the Department.
- II. **Penalties:** The Department may impose a suitable penalty on the vendor for the failure of such activities as mentioned above. Such penalties shall be deducted from the pending bills/bank guarantee of the vendor. However, the Department shall issue a notice given 03 days of time to the vendor before imposing such penalty
- III. **Termination Payments:** These payments shall mean the amount of payment by either party to the other party upon termination. Upon termination of the contract, Department may encash and appropriate the performance security/bank guarantee etc. The Department may clear outstanding dues of the sub-vendors of the second party out of such encashment and/or from the pending bills of the second party. After clearing such liabilities, any valid dues of the second party may be paid thereafter
- IV. Blacklisting without termination: The Department may blacklist the vendor without terminating the contract for any of the failures or acts of commissions or omissions under this Agreement.
- V. Foreclosure with Mutual consent: -
- a) Without prejudices to any provisions of this agreement, Department and the vendor may foreclose this agreement by mutual consent in circumstances which does not constitute either party's default without any liability or consequential future liability for either party.
- b) Should a Party intend to foreclose this Agreement by mutual consent, the intending Party shall issue a notice to the other Party and upon issuance of such notice, the other Party may within 15 days from receipt of such notice either agree to such foreclosure or raise objection(s) to the same by intimating either of the two possible positions to the intending Party in writing.
- c) In either case of the other Party agreeing to the proposed foreclosure or otherwise, the Parties may negotiate the proposed foreclosure and sign a Supplementary Agreement for foreclosure to the main Contract Agreement within 30 (thirty) days of the date agreeing by both Parties. Foreclosure shall not come into effect unless otherwise the Supplementary Agreement is signed.
- d) Any attempt or endeavour for foreclosure by mutual agreement shall be without prejudice to the rights and obligations of the Parties herein and the factum of such an attempt or exercise shall not stop either of the Parties form discharging their contractual obligations under this Agreement.
- e) For the avoidance of doubt, it is clarified that such foreclosure will be without prejudice to the Vendor and shall not affect the Vendor in any way if it wishes to bid on future projects of the Department.

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#### VI. Transition and Exit Plan:

The vendor shall ensure that the transition is smooth in case the contract is terminated or foreclosed with mutual consent. In addition to the cancellation of contract, Department reserves the right to charge appropriate penalties and liquidated damages from the selected agency. Further: -

- a) All risks during transition stage shall be properly documented to ensure smooth transition without any service disruption.
- b) The transition plan along with the period shall be mutually agreed between vendor and Department when the situation occurs. Vendor shall be released from the project once successful transition is done meeting the parameters defined for the successful transition.

Note:- Blacklisting/Debarment of the vendor shall be natural consequence of the termination. The Blacklisting/Debarment shall be for such a period as may be specified by the Department.

Provided that before placing the vendor on the blacklist, with or without the termination of the contract, the Department shall issue a notice given 15 days of time to the vendor.

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ANNEXURE 1:
Technical Specifications – Atal Tinkering Lab

	The Net Yet		ATL Components	Super-Management and the	
Sl.N o.	Category	Component Name	Specification	Qua ntity	Туре
1	Skill Kit	Advance Robotics Kit	Advanced Robotic consists of robotic parts, DC motors, Servo motors, OLED Display, Controllers based on ATMEGA328P and different type of sensor	4	Consumable
2	Skill Kit	Robotic Arm	Robotic arm with AI-driven capabilities, including intelligent object pick and place. It should utilize advanced bus servos for precise control and can be integrated with different sensors for enhanced functionality.	4	Consumable
	Packag	e 1: Electronics	Development, Robotics, Internet of Things an	d Senso	rs
Sl.N o.	Category	Component Name	Specification	Qua ntity	Туре
1	Electronics Development	Arduino Uno or equivalent	ATmega328P - 8 bit AVR family microcontroller, equivalent or better.  Operating Voltage: 5V  Digital I/O Pins: 14 (of which 6 provide PWM output)  PWM Digital I/O Pins: 6  Accessories: Case shell enclosure,	30	Consumable
2	Electronics Development	Arduino Nano or equivalent	compatible USB cable (length - 6 inch or more)  ATmega328P - 8 bit AVR family microcontroller, equivalent or better.  Operating Voltage: 5V  Digital I/O Pins: 14 (of which 6 provide PWM output)  Analog Input Pins: 8  Accessories: Compatible USB cable (length -6 inch or more)	10	Consumable
3	Electronics Development	Arduino Mega or equivalent	AT mega 2560P - 8 bit AVR family microcontroller, equivalent or better.  Operating Voltage: 5V  Digital I/O Pins: 54 (of which 6 provide PWM output)  Analog Input Pins: 16  Accessories: Case shell enclosure, Compatible USB cable (length -6 inch or more)	10	Consumable
4	Electronics Development	RASPBERRY PI 3 Model B+	RASPBERRY PI 3 MODEL B+, equivalent or better  Accessories - Micro SD card - 32 GB, USB 3.0 cable (1	2	Consumable



			meter), HDMI to VGA - 1 meter, HDMI to VGA adapter, Case shell enclosure		
	Electronica	Breadboards	Solderless 400 pin breadboard	30	Consumable
5	Electronics	& Mini	Solderless 800 pin breadboard	20	Consumable
	Development	Breadboard	Self Adhesive Proto Shield	20	Consumable
	Electronics	General Purpose solderable Board	FR2 A Grade Material (140 x 90 mm)  FR2 A Grade Material (80 x 55 mm)	30	Consumable
6	Development	Berg Strips	Female Berg Strip, 2.54mm pitch, 40 pin single row, breakable pin	30	Consumable
		Deig Surps	Male Berg Strip, 2.54mm pitch, 40 pin single row, breakable pin	30	Consumable
7	Electronics Development	16x2 LCD display	Dot matrix LCD display. 16 characters X 2 lines. I2C	20	Consumable
8	Electronics Development	USB Cables	USB Cable Set (A to B, 12 inch or more)	10	Consumable
9	Electronics Development	USB Cables	USB Cable Set (Mini, 12 inches or more)	10	Consumable
10	Electronics Development	Battery	9-12V 2000 to 2500 mAh rechargeable battery with 2 chargers. Equivalent or better	10	Consumable
11	Electronics Development	Resistor Kit	One kit contains - 30 carbon film resistors of 20 different resistance values each assorted, packaged together and labelled.  Wattage: 0.125W to 1W  Values: 00, 1.50, 4.70, 100, 470, 1000, 2200, 3300, 4700, 6800, lkn, 2.2k0, 3.3k0, 4.7k0, 10k0, 22k0, 47k0, 100k0, 330k0, 1M0		Consumable
12	Electronics Development	Capacitor Kit	One kit contains - 20 electrolytic capacitors of 10 different capacitance values each.  Assorted kit packaged together and labelled.  Values: 10pF, 22pF, 100pF, inF, 10nF, 100nF, 11F, 14/F, 1001.1F, 1000pf	20	Consumable
	Electronics	Linear	7805 IC	10	Consumable
13	Development	Voltage	7809 IC	10	Consumable
		Regulator	7812 IC	10	Consumable
14	Electronics Development	Water Pump Module	DC6V 0.3W Submersible Water Pump	4	Consumable
15	Electronics Development	Piezoelectric Plate	Normal Aluminium based 4 cm Diameter approx	30	Consumable
16	Electronics Development	8*8 LED Matrix Module	Max7219 Dot LED Matrix Module Mcu Control LED Display Module	10	Consumable
17	Electronics Development	Bluetooth Module	HC 05 Bluetooth Module, voltage rating: 5 Volt	15	Consumable
18	Electronics Development	7 Segment Led Display	LED 4-Digit Display Module Voltage Rating: 2.4V to 5.5V 4-Pin interface: Vcc, Gnd, Data, Clock	20	Consumable
19	Electronics Development	GSM	Sim900 Gprs Transfer Board Micro Sim Gsm Core Ttl Port Module for Arduino	4	Consumable





20	Electronics Development	GPS	GY-NEO6MV2 new GPS module	4	Consumable
21	Electronics Development	Laser Diode Emitter	650 nm 5mW Mini Laser Dot Diode	10	Consumable
22	Electronics Development	LDR Module	5mm/12mm, Photosensitive LDR Light Sensor Module	30	Consumable
23	Electronics Development	Keypad	Universial 16 Key Switch Keypad	10	Consumable
24	Electronics Development	Joy Stick	2-axis joystick with push button function	10	Consumable
25	Electronics Development	Active Buzzer	small 5 volt big 5 volt	40	Consumable Consumable
26	Electronics	Motor driver	L293d	10	Consumable
20	Development	Module Sound		10	Consumació
27	Electronics Development	Playback Module	ISD1820 voice recording module or equivalent	10	Consumable
28	Electronics Development	DC Plastic Gear motor with wheel	12V, 150RPM, Side Shaft BO (Battery operation) Motor	40	Consumable
29	Electronics	Node MCU	ESP 8266	6	Consumable
30	Development  Electronics  Development	WeMos D1 R2	I2C, 1 wire, plug and play WeMos D1 R2 with WiFi ESP 8266/Operating Voltage: 5V	6	Consumable
31	Electronics Development	Vibrating Motor	Weight: 10 Grams/Operating Voltage: 1.5 to 3V	20	Consumable
32	Electronics Development	Alligator Connectors	Multi Colour Alligator Connectors- 12 inch		Consumable
33	Electronics Development	Battery clips with DC Jack	9 volt battery clips with DC Jack	40	Consumable
34	Electronics Development	Hookup Wires	Red & Black set 100 Meters each	4	Consumable
0110.632	Electronics	74.77	Male-Male	1000	Consumable
35	Development	Jumper Cable	Male-Female	600	Consumable
			Female-Female	400	Consumable
36	Electronics Development	RGB LEDs	Regular 5mm 3-5 volt Range	400	Consumable
37	Electronics Development	LEDs (Red)	Regular 5mm 3-5 volt Range	1000	Consumable
38	Electronics Development	LEDs (Green)	Regular 5mm 3-5 volt Range	1000	Consumable
39	Electronics Development	LEDs (Blue)	Regular 5mm 3-5 volt Range	1000	Consumable
40	Electronics Development	LEDs (Yellow)	Regular 5mm 3-5 volt Range	1000	Consumable
41	Electronics Development	LEDs (White)	Regular 5mm 3-5 volt Range	1000	Consumable
42	Electronics Development	Timer IC - LM 555	LM 555 Timer IC./Voltage range - 4.5V to 16V	30	Consumable
43	Electronics Development	Atmega16u2	8 bit microcontroller Individual IC (DIP).  Voltage range: 2.7V to 5.5V.  Operational Range: -40°C to +80°C	10	Consumable
44	Electronics	Diode and	One Kit Contains - 25 Assorted Basic Diodes	3	Consumable



	Development	Transistors Kit	of 4 different types each.  Types: NPN Transistor -2N3904, BC547		
		KII	PNP Transistor - 2N3906, BC557 Silicon Diode - 1N4148, Power Diode - 1N4004/4001.		
			Equivalent or better.	1.4	
			Wattage: 1W, Current rating: 1A	11	
			Assorted kit packaged together and labelled.		
			One Kit Contains - 100 buttons of different types.		
45	Electronics Development	Button Switch Set	Types: Push, toggle, rotary, selector and slide switch.	3	Consumable
			Assorted kit packaged together and labelled.		
46	Electronics Development	Capacitative Touch Module	MPR 121 with I2C./Voltage Range:2.5V to 3.6V DC.	20	Consumable
47	Electronics Development	Capacitative Touch Switch Module	Digital Capacitive touch switch module - TTP223B/Voltage Range: 2V to 5V DC.	10	Consumable
48	Internet of Things & Sensors	IR Sensors, Obstacle avoider sensor module	LM393/Detection distance:2 - 30 cm/Detection angle: 30 - 40°	20	Consumable
49	Internet of Things & Sensors	Triple Axis Magnetometer	3-Axis Magnetoresistive Sensors I2C Digital Interface Integrated 12-bit ADC Range of -8 to +8 Gauss 160 Hz Maximum Output Rate	10	Consumable
50	Internet of Things & Sensors	Humidity Sensor	Operating range: 20 - 95 % RH Temperature: 0 - 60 Celsius Power supply: 1.5V AC(Max sine) Operating frequency: 500Hz - 2kHz		Consumable
			MQ- 2 Smoke Detection	3	Consumable
			MQ-3 Alcohol - Ethanol Sensor	3	Consumable
			MQ-4 Methane Natural Gas Sensor	3	Consumable
	Internet of	•	MQ-5 Methane Liquified Gas Sensor	3	Consumable
51	Things &	MQ Series	MQ-6 Liquified Petroleum Gas Sensor	3	Consumable
	Sensors		MQ-7 High Sensitivity CO Carbon Monoxide Sensor Detector	3	Consumable
			MQ-8 Hydrogen Gas Sensor	3	Consumable
			MQ-135 Air Quality Sensor	3	Consumable
52	Internet of Things & Sensors	IR (transmitter) receiver	TSOP 1738/Switching rate – 38 KHz/ Volting Rating: 5V	10	Consumable
			Working Voltage - DC 5V		
		Ultrasonic	Working current - 15 mA		
	Internet of	Sensor	Working Frequency - 40 Hz		
53	Things &	Module HC-	Range - 1 cm to 4 m	40	Consumable
	Sensors	SR-04 or	Effectual Angle - <15°		
		compatible	Measuring Angle - 30°		
			Resolution - 0.3 cm		
54	Internet of	Triple Axis	3-axis sensing	10	Consumable
34	Things &	accelerometer	Small, low-profile package	10	Consumation





	Sensors		4 mm × 4 mm × 1.45 mm LFCSP Low Power : 350 μA (typical) Single-supply operation: 1.8 V to 3.6 V Temperature stability		
55	Internet of Things & Sensors	PIR Motion Detector Module	High digital pulse when motion detected Low digital pulse when idle /no motion detected Sensitivity range (upto 6 m)  Power supply: 5V – 12V	20	Consumable
56	Internet of Things & Sensors	Pulse Rate Heart Sensor	Pulse Rate Sensor Finger Basedwore on the finger or earlobe Working voltage 3-5V	4	Consumable
57	Internet of Things & Sensors	Relay Module	5V 10A 2 Channel Relay Module Compatible with Arduino	20	Consumable
58	Internet of Things & Sensors	Relay Module	5V 10A 1 Channel Relay Module Compatible with Arduino	20	Consumable
59	Internet of Things & Sensors	Big Sound microphone module	Large Electret capsule sound module	20	Consumable
60	Internet of Things & Sensors	Soil Moisture Sensor Module	FC-28 with LM293 comparator/Operating Voltage: 3.3V to 5V.	6	Consumable
61	Internet of Things & Sensors	Touch Sensor	Capacitive Touch Sensor Module. TTP22X series. Voltage Range: 2.4V to 5.5V	6	Consumable
62	Internet of Things & Sensors	Metal touch sensor module	KY-036 or equivalent metal touch sensor module		Consumable
63	Internet of Things & Sensors	Rain Drop Sensor	Rain Sensitive, Rain Drop Detection Sensor Module. Voltage Range: 3.3V to 5.5V./Size: 5mm X 40mm or equivalent.	6	Consumable
64	Internet of Things & Sensors	Flex Sensor	Flex Sensor 2.2 Inches	6	Consumable
65	Internet of Things & Sensors	Temperature Sensor	LM35 Full range temperature sensor. Voltage Range: 4V to 30V. Error: ±0.5°C	6	Consumable
66	Internet of Things & Sensors	Temperature and humidity sensor module	DHT 11/Voltage Range: 3V to 5V	40	Consumable
67	Internet of Things & Sensors	Force Pressure Sensor	force sensitive resistor with a square, 1.75x1.5", sensing area	4	Consumable
68	Internet of Things & Sensors	Colour Recognition Sensor	TCS3200 Color Recognition Sensor	4	Consumable
69	Internet of Things & Sensors	Water Flow Sensor	Arduino Compatible Water flow sensor. 5V DC Input.	4	Consumable
70	Internet of Things & Sensors	Sound Sensor	Sound Sensor Module, Microphones module	10	Consumable
71	Internet of Things &	IR Sensors Arrary	8 IR Sensors Array module for Line Following/Operating Voltage: 5V	10	Consumable





	Sensors	Module for Line Following			
72	Internet of Things & Sensors	Power Bank	10000 MAh 5 volt Power Bank	5	Consumable
73	Internet of Things & Sensors	RFID Reader  – Tags	Current :13-26mA / DC 3.3V Idle Current :10-13mA Sleep Current<80uA Peak Current<30mA Operating Frequency: 13.56MHz<30mA Read range between 20 cm to 1 m	10	Consumable
74	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK	Frequency Range: 433.92/315 MHz Supply Voltage: 3 – 6 V Output Power: 4 – 16 Dbm Low power consumption Easy application	10	Consumable
75	Robotics	Stepper motor with Driver board	28BYJ-48 ULN2003 5V Stepper Motor + ULN2003 Driver Board	10	Consumable
76	Robotics	DC motor	12V DC Gear 150 RPM	20	Consumable
			Position Servo Angle based Metal Gear	10	Consumable
77	D-1-4'	C	Small Servo Metal Gear	10	Consumable
77	Robotics	Line Following  ternet of hings & Power Bank  ternet of RFID Reader	Continuous Metal Gear Servo 360	10	Consumable
			Small Servo Plastic Gear	40	Consumable
78	Robotics	South Committee Control of C	150 RPM BO Motor		Consumable
79	Robotics		L298P Motor Driver Shield or relative Driver Shield		Consumable
80	Robotics		CCPM 3 channel Servo Tester	4	Consumable
81	DIY Kit	A CONTRACTOR OF THE CONTRACTOR	Robotics DIY kit with programmable intelligent brain/brick.  The kits are required to feature a robust physical framework minimum 200mm x 125mm x 3mm, constructed from metal or plastic, providing the necessary structure and mounting points for other components. The brain of the kit should include a programmable CPU utilizing AVR architecture, operating at a clock speed of 16 MHz and a voltage of 5V. It should offer a minimum of 14 digital I/O ports and 6 analog input ports, along with essential features such as USB connectivity, a power jack, an ICSP header, and a reset button. Additionally, the communication module should enable Bluetooth 2.0+EDR connectivity operating at 2.4 GHz frequency, with a range of approximately 10 meters, complete with a built-in antenna and support for multiple baud rates to facilitate flexible communication speeds.	4	Consumable

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			The kits should feature DC Motors with dimensions not less than 65mm x 25mm x 20mm. The motors must operate within a voltage range of 3-12V, with a minimum speed of 150 RPM and kit is the plastic wheel, featuring a minimum diameter of 60mm and width of 20mm. The wheels should be equipped with rubber grip for improved traction.  A 12.6V rechargeable lithium-ion (Li-ion) battery pack. This pack is composed of three 18650 cells and features a charging DC jack port for convenient recharging. Designed in a brick form factor, the battery pack comes encased in a protective plastic housing and should a charging adapter accepting input voltages ranging from 100VAC to 260VAC, with an input frequency range of 50Hz to 60Hz.  The kits should include all necessary hardware components such as contained nuts, bolts, spacers and wires ensuring ease of construction and structural integrity. The kit must a BIS standard under Safety of Electric Toys IS 15644: 2006, and BIS Toys Category "C" and Sub Category 81		
82	DIY Kit	Mechanical (Modular) Construction kit	Kit should contain modular parts (Metal) focusing on building prototypes of 15+ realworld machines like excavators, cranes, dumping trucks, roller, forklift, ball shooter, catapult, rover, etc.  Kit includes detachable Wheels, Gears of different Size & Teeth Count, 150 RPM Motors, metal plates, nuts and bolts, Power distribution board with RJ11 connectors, a Remote controller (with DPDT switch) and other accessories like screwdriver, hook and axle lock.  Kit should step by step assembly manual and online LMS course with videos The kit must a BIS standard under Safety of Electric Toys IS 15644: 2006	4	Consumable
83	DIY Kit	STEM learning/appli cation Kit	Classic quad -copter kit which features styled professional left hand throttle.  The advance speed switch suits everyone from beginner to experts. Equipped with 6-	4	Consumable

V2



			axis gyro making it more stable. Also shall come with four propellers, Brushless Motors 60000 RPM, ESC 2S/SA, Rechargeable Battery 3.7v/300mAh.  Flight time 15 minutes. 2.4 GHz Radio Trans-receiver  Agritech Kit  The Agri-Tech kit is a complete Internet of Things (IoT) based device which can be used to monitor as well as to control the agricultural parameters such as, soil moisture, rainfall, air quality around the crops, temperature and humidity on the field. In addition, the kit contains the flame detector which detects if there is any unfortunate fire scenario down the field. The kit contains the fully enabled Wi-Fi transceiver which facilitates the user to combine all the field parameters and uploaded to the cloud, which can be seen	4	Consumable
			anytime and anywhere followed by monitoring and automatic control. The Wi-Fi transceiver also allows the user to remotely trigger actions like an alarm, pump etc on the field.		
			Other potential STEM application Kit (This kit is a 5 in 1 DIY kit with 200+ pieces and an instruction manual for 5 activities.)	4	Consumable
CLN			ckage 2: Rapid Prototyping Tools	Ove	
Sl.N o.	Category	Component Name	Specification	Qua ntity	Type
1	Rapid Prototyping Tools	3D Printer Kit and tools	Printer Type: FDM (Fused Deposition Modelling), Minimum Dimensions: 160mm *160mm *160mm Build Size or 4 litre Build Volume., Nozzle: 0.3mm to 0.4mm nozzle diameter, slicing software should be free or Open source, LCD Screen U I that display print metrics, Good Heated Print bed.	1	Equipment
			Material Compatibility - PLA, ABS, and derivatives of PLA, Ninjaflex Quality Anti-bacterial/fungal Cover. Repair Kit - with spare springs, screws, keys, tweezers, etc.		
2	Rapid Prototyping Tools	Dedicated UPS/Power back up	derivatives of PLA, Ninjaflex Quality Anti-bacterial/fungal Cover. Repair Kit - with spare	1	Equipment
2	Prototyping	UPS/Power	derivatives of PLA, Ninjaflex Quality Anti-bacterial/fungal Cover. Repair Kit - with spare springs, screws, keys, tweezers, etc.	1 5	Equipment  Consumable
	Prototyping Tools Rapid Prototyping	UPS/Power back up Filament for	derivatives of PLA, Ninjaflex Quality Anti-bacterial/fungal Cover. Repair Kit - with spare springs, screws, keys, tweezers, etc.  Dedicated UPS/Power Back up - 1 KVA  Compatible 1000 Grams Filament in 5		



	Prototyping	Crafts	foam core boards	5	Consumable
	Tools	Accessories –	20m spool of thick strings	5	Consumable
		eg- stationary	rubberband	100	Consumable
		items and	popscicle sticks	100	Consumable
		basic prototyping material	wood glue- 500 ml	2	Consumable
		Package 3: M	lechanical, Electrical and Measurement tools		
Sl.N o.	Category	Component Name	Specification	Qua ntity	Туре
1	Mechanical Tools	Hacksaw Frame	Size: 6 inches	1	Equipment
2	Mechanical Tools	Hacksaw blades	Size: 6 inches	10	Consumable
3	Mechanical Tools	Mini Hacksaw Frame	Size: 12 inches	1	Equipment
4	Mechanical Tools	Mini Hacksaw blades	Size: 12 inches	10	Consumable
			External Straight	1	Equipment
		W. Allen	Nose Circlip Plier	1	Equipment
	Mechanical	Pliers: 4.5-	Long Nose Plier	1	Equipment
5	Tools	inch size	Combination Mini Plier	1	Equipment
	10015	men size	Wire stripping pliers	1	Equipment
			Bent nose plier	1	Equipment
			Needle nose pliers	1	Equipment
6	Mechanical Tools	Tweezer Set	6 Pc Non-Magnetic Tweezer Set Size - 3 inches	2	Equipment
7	Mechanical Tools	Ball Pein Hammer	Ball Pein Hammer/Weight- 0.22kg		Equipment
8	Mechanical Tools	Steel Shaft Claw Hammer	Claw Hammer Steel Shaft/Weight- 0.22kg	1	Equipment
9	Mechanical Tools	C-Clamp	Metal Clamp 3 " Inch szie	4	Equipment
10	Mechanical Tools	Allen Key Set	10 Piece Ring Imperial Allen Hex key	1	Equipment
			Material: Plastic, Color: Blue		Equipment
11	Mechanical Tools	Drill Machine Set	Item Dimension: 330mm x 232mm x 72mm Package Contents: 1-Piece Drill Machine 6 months warranty provided by the manufacturer from date of purchase Powerful 450W motor for enhanced performance and increased efficiency Reversible rotatable brush plate for optimum F/R operations Variable speed switch with variable speed dial wheel for optimum output needs Lock-on button for continuous drilling, ergonomic design for comfortable and fatigue free use	1	Equipment
12	Mechanical Tools	Drilling Workstation	Drill Press, Drill Holder and Rotary Tool, Compatible with Drilling machine provided	1	Equipment
13	Mechanical Tools	Spanner Set	12-piece combination Spanner Set Range - 4 mm to 30 mm	1	Equipment
14	Mechanical Tools	Vice Normal	Table top vice	1	Equipment



15	Mechanical Tools	Pricision Screw Driver Set	6 Piece Precision Screw Driver Set Types: PHO, PH1, Flat head - 1.4mm, 2mm, 2.4mm, 3mm	2	Equipment
16	Mechanical Tools	Wrench	Adjustable Universal Wrench		Equipment
17	Mechanical Tools	Wire Strippers	Wire Stripper Cutter Plier	5	Equipment
18	Mechanical Tools	Screwdriver	40 pc Multi-purpose screwdriver set		Equipment
19	Mechanical Tools	Cordless Rotary Multitool Set	Battery Voltage :9.6 V Position Clutch Positions: 16 Drilling Capacity (in Steel): 10 mm No Load Speed :0-550 rpm Dimensions :182x79x240 mm Material :Plastic Weight:1.3 kg Number of Gear: 1 Colour :Orange Chuck Size:10 mm		Equipment
20	Mechanical Tools	Air Blower	500 W or more. Variable speed blower	1	Equipment
21	Mechanical Tools	Drill Bit Set	High Quality 13 Pcs HSS Drill Bits Set For for Wood, Aluminium, Plastic etc	1	Equipment
22	Mechanical Tools	File set	6 pc file set Working length - 6 inch	1	Equipment
		Mini File Set		1	Equipment
23	Mechanical Tools	Flexible Cutting Mat	6 pc file set Working length - 6 inch 6 pc mini file set Working length - 3 inch A/3 Size With Marked Pattern And Grids (18" X 12")  Number of Drawers: 25 or equivalent		Equipment
24	Mechanical Tools	Plastic Storage Drawer/Organ iser			Equipment
25	Mechanical Tools	PegBoard	Peg board System to mount tools on wall with attachments.	2	Equipment
26	Electric Tools	Hot glue gun	Works with standard inch glue sticks. 0.5-	4	Equipment
27	Electric Tools	Digital Oscilloscope	Size: 505mm (W) x 390mm (H)  Works with standard inch glue sticks: 0.5		Equipment
28	Electric	Soldering Kit	Variable Wattage of Soldering Iron: 15-30 watts/230 volts/Soldering Iron Temperature Range: 280°C to 450°C  De-Soldering Pump, Soldering Flux (Paste)	1	Equipment
20	Tools	Soldering Kit	100 grams, Copper Braid Co DE-soldering pp (Solder Wick) -	1	Equipment





			1.5m*2mm		
			Compatible Soldering Tip - Bevel, Chisel, Conical - each per kit.	1	Equipment
	10 m	# 82 <sup>2</sup>	Soldering Wire: 20/22 AWG soldering Wire with rosin core flux (100 Grams)	1	Equipment
29	Electric Tools	Adapters	DC power Adapter with 5V, 2A		Consumable
30	Electric Tools	Adapters	DC power Adapter with 12V, 2A	10	Consumable
31	Electric Tools	Electric Screw Driver Set	Alkaline Battery Powered Screwdriver, 14 Pieces Accessory Bits and 4 Alkaline Batteries; Package contains the following screwdriver bits - Pz1/2/3, Ph1/2/3, T10/20, SL6/8/10, SQ1/2/3	1	Equipment
32	Electric Tools	Dual Temperature Heat Gun	1800 W Dual Temperature Heat Gun	1	Equipment
33	Electric Tools	Soldering Helping hand	Specifications: Adjustable crocodile holding clamps/clip. Soldering iron holder. LED light. Magnifying lens.	4	Equipment
34	Measurement Tools	Return measuring tape	Return measuring tape 5Mx19mm		Equipment
35	Measurement Tools	Stainless Steel Rule	Stainless Steel 12" / 150 mm Rule		Equipment
36	Measurement Tools	Digital Vernier Caliper	150 mm / 6" Digital Vernier Caliper		Equipment
37	Measurement Tools	Spirit Level	12" Spirit Level	1	Equipment
38	Measurement Tools	Digital Pen electric Tester	Voltage tester	1	Equipment
39	Measurement Tools	Digital Multi Meter	Packing Content: 1 x Digital Multimeter, 2 x Test Leads Line, Small and compact design Low battery voltage indication. Power: 9V battery (Included). Dimension: 142 x 69 x 30mm.  Max AC Voltage Range: 600V. Max DC Voltage Range: 600V. Resistance Measurement: 200 Ohm-2000K Ohm ra 3 1/2 digits, 8 segment, 15mm high LCD Display. Max Display: 1999, Auto polarity display. package quantity 1pc		Equipment
40	Biology Kit	DIY Paper Microscope	DIY Paper microscope. Magnification range - 100x to 2000x	5	Consumable
41	Astronomy Equipment	Telescope	Beginner telescope A great telescope for the beginner student It features a 2" diameter lens 360mm focal length Two eyepieces 6mm and 20mm		Equipment
42	Textile Equipment	Sewing Kit	Automatic Sewing Machine- compact and	1	Equipment





			portable machine with handel,4 step button hole function, auto trip bobbin winder, single touch reverse stich lever, in built sewing light, free arm for circular stitching, stich pattern selector, calibrated dial for thread tension control		
			ver Supply, Accessories and Safety Equipmen		
Sl.N o.	Category	Component Name	Specification	Qua ntity	Туре
1	Power Supply & accessories	Glue Sticks	11 mm x 200mm Hot Melt Glue Stick	100	Consumable
2	Power Supply & accessories	Nuts and Bolts and screw	Specs - M4X12MM M4X2OMM M5X16MM M5X25MM M6X2OMM	40	Consumable
	Power		Small Cable Tie Pack - Pack of 100	10	Consumable
3	Supply &	Cable Tie	Medium Cable Tie Pack - Pack of 100	10	Consumable
	accessories		Big Cable Tie Pack - Pack of 100	10	Consumable
4	Power Supply & accessories	Sand Paper	Grit Values - 80, 100, 120, 200, 300. 5 Nos of each	10	Consumable
5	Power Supply & accessories	Power Strip Adaptors	Standard Quality Extension with 5Amp safety fuse.  5 or more sockets in each extension.  1.5-meter length of each extension.	5	Consumable
6	Power Supply & accessories	Bulb Holders	Regular Hanging Bulb holder	10	Consumable
7	Power Supply & accessories	Electric Wires	Twisted Red black pair ( In Meter)	20	Consumable
8	Power Supply & accessories	USB TO dc jack cable	USB to DC jack cable for Battery bank	10	Consumable
9	Safety equipment	First aid kit	Standard Medical First Aid kit in portable container.	2	Consumable
10	Safety equipment	Fire extinguisher (handy units)	Powder Type Fire Extinguisher 2KG	2	Consumable
11	Safety equipment	Safety goggles (with/ without LED torch)	Polycarbonate Safety goggles Clear lens with no tint	30	Consumable
12	Safety equipment	Safety Gloves Pairs	Latex Coating Gloves (Medium Size)	10	Consumable
13	Safety equipment	Safety Mask	Filtering efficiency ranging 80 percent when tested against 0.3-micron sodium chloride particle	20	Consumable

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4. Other Equipment

S. No.	Product Name	Description				
1	Furniture	4 tables (size - 5 by 4 ft, made of 18 mm thick high quality prelaminated wood-based particle board with PVC Strip edge bending) and 30 stools (Wooden top – made of 18 mm prelaminated MDF board. Size – 14" diameter)				
2	Storage Almirah	Steel almirah for keeping the equipment when not in use				
3	Lab Design	Lab Designing and	Electrical fitting for equip	ment's for above		
4	Desktop Computer (1 No)		All in one Desktop (23.8 inches, i5 12th generation, 8 GB I GB SSD, 1.8GHz minimum frequency) with windows & MS license			
		Specification Category	Specification Attribute	Details		
	<b>.</b>	Panel	Diagonal Size & Resolution	65" or Higher, UHD 3840 × 2160 pixels		
	Interactive Flat		Light life	50,000 hrs or higher		
			Brightness	400 nits or Higher		
		Touch screen	Touch technology & Touch Points	Infrared touch, 20 points or Higher		
			Touch response time & Accuracy	< 8 ms or faster, ±1.0 mm or better		
5		Inbuilt Configuration	CPU & Speed	Quad-core A73+ Quad- core A53 or later, 2.2 GHz or Higher		
3	Panel (1 No)		OS	Android 11.0 or later		
			Memory RAM	8GB or Higher		
			Memory Storage	128GB or Higher		
		Connectivity	I/O Ports	1 x VGA, 3 × HDMI 2.0 IN & 1 × HDMI 2.0 Out port, 1 x DP, USB 2.0 × 2 + 3.0 × 2, USB -E x 2, 1 x USB C port, SPDIF x 1, RS232 x 1, LAN Port x 1		
		Audio	Microphone	8 or more		
		Configuration	Speaker, Subwoofer	2 × 16 W Speaker & 1 x		



		16 W Subwoofer
Built-in	Functionalities	PM2.5 Particle sensor, Temperature, Humidity, Air, Motion Sensor, Flicker Free, Low Blue Light,
	Connectivity	Bluetooth, WI Fi, NFC
Software	Functionalities	White Boarding, Wireless Screen Sharing, Quick Access Tool

## 1. Specifications of Learning Management Software

#### Details:

The application should provide class wise mapping of the tutorial videos with the curriculum. It should be easy to access the videos and they should be completely mapped with the learning outcomes of each class.

The LMS should be optimized for delivering and managing robotics-related educational content, ensuring an engaging and interactive learning experience.

- 1. User Management:
- Self and cohort enrollment capabilities.
- · Comprehensive group, grouping, role management, and custom role creation features.
- 2. Course Features:
- Diverse assignment types which should be based on MCQ and drag drop- based questions, feedback mechanisms, surveys, and interactive forums.
- Attendance and leave tracking, online reservations for webinars and events.
- SCORM-compliant lessons, integration with popular platforms like YouTube, Google Drive, OneDrive, Dropbox.
- Video, PPT, PDF, Word support, and external embedding options tailored for robotics content.
- Chat and chatbot functionalities for interactive learning.
- 3. Reporting Capabilities:
- Detailed department and batch-wise reporting.
- Learning outcomes tracking, attendance, course and activity completion reports.
- Comprehensive assessment reports and quiz analytics.
- With the help of this reporting format teachers and parents should be informed about students progress about Robotics and their innovative mind set
- 4. Assessment Tools:
- If any external robotics exam paper needs to be uploaded then it should be uploaded very easily with minimal support.
- Safe Exam Browser compatibility for secure assessments.
- Support for all standard exam formats, ensuring robust assessment methods.
- 5. Additional Features:
- Efficient communication through mails, notifications, blogs, and alerts.

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- Customizable UI/UX with a focus on robotics courses, featuring a custom frontend, course categorization, featured courses, add-to-cart options, ratings, forums, blogs, and support chat. Database and Integration:
- SSO integration with existing databases.
- Essential database import and export functionalities.

**Specifications of QR based Supply Chain Monitoring Software** 

S. No.	Product Details				
1	This scope of work is for design & development of an application for tracking and tracing the path of batches of shipment from the headquarters/State Level to the various districts and across the complete value chain up until the school level. The below mentioned points summarize the requirement: -				
	1. Each batch shipment will be assigned a unique QR Code/Bar Code				
	<ol><li>Each batch will have certain fields assigned to it like date of dispatch, source/origin point, destination point, transit route with all interim locations tagged onto the same.</li></ol>				
	3. Provision shall be made for all transit points (like district, block, school etc.) to update the information contained in the database (like "received", "dispatched", "cancelled", "delayed" etc.) by scanning the QR Code/Bar Code on the batch shipment. This updation shall be made upon receipt and dispatch of shipment respectively with an option to enter remarks (to input certain important information pertaining to the state of receipt, dispatch, delay etc.)				
	4. Provision shall be made to track the shipment by all concerned stakeholders like "Dept. HQRS", "District Level Officer", "Block Level Officer" and "School" to track the journey of the batch shipment through their respective logins in the mobile application. A graphical seek-bar on the UI can be provided pictorially depicting (representational) the complete route highlighting the areas covered/remaining towards the final destination.				
	5. Provision will be made for the administrator to manually update the status of the shipment in case any stakeholder in the value chain is unable to update the information due to technical glitches.				
	6. Provision for the administrator to define the different masters like "Shipment Status", "Shipment Size/Category", "locations" (for entering "Place of Origin" & "Place of Delivery"), mechanism for defining the transit route, estimated time of delivery etc.				
	7. Provision for the administrator to define roles in the system with access rights & privileges and assigning them to different users.				
	8. Provision for the administrator to define the various users or optionally,				

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- users can download the application from the Android play-store and register themselves using some authentication mechanism.
- 9. Provision for the administrator to view/download/print certain predefined reports like no. of shipments delivered in a particular time-period, no. of shipments pending to be delivered, no. of shipments which have overrun their estimated time of delivery etc.
- 10. Provision for sending different application-based alerts and notifications to all stakeholders upon triggering of key events like "package received", "package dispatched" etc.

## **Important Note:**

- It is mandatory for all to provide 2 years of comprehensive warranty at no additional charge (including for 3 D printers).
- It is mandatory for all to provide 3 years of comprehensive AMC, wherever applicable, and clearly indicate the terms and conditions of the same.

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## ANNEXURE 2: LETTER OF SUBMISSION

(On the letterhead of the bidder)

To,
The State Project Director,
Bihar Education Project Council,
Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus,
Saidpur, Patna - 800 004.
e-mail: ssabihar@gmail.com

Sub: - Letter of Submission for Supply, Installation & Training for Operationalization of ATL Labs at 76 Government Secondary/Senior Secondary Schools in Bihar.

Ref: - -----

Sir,

We have read and understood the Request for Proposal (RFP) in respect of the captioned Assignment provided to us by BEPC, Department of Education.

We hereby agree and undertake as under:

- a. Notwithstanding any qualifications or conditions, whether implied or otherwise, contained in our Proposal we hereby represent and confirm that our Proposal is unqualified and unconditional in all respects.
- b. This Proposal is valid till (120 days from the Proposal Due Date). RFP can be download from the website <u>www.eproc2.bihar.gov.in</u> after paying tender fee of Rs. 5000/- and processing fee of Rs. 590/-. The fees will have to be paid through online on the above-mentioned website. Proposal received without or with inadequate RFP document fees shall be rejected.
- c. Bidder shall submit, along with their bids, EMD of Rs. XXXXXX crores (XXXXXXX crores only) in the form of Bank Guarantee issued by the Schedule Bank, in favor of the "State Project Director, Bihar Education Project Council (IFSC Code IOBA0002450).
- d. That as on the date of submission of this tender, there is no blacklisting order that bars us from working with any Government Agency / Department on account of deficiency in service.

Name of the Bidder Date: -

Signature of Authorized Signatory

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## ANNEXURE - 3: FORMAT FOR FINANCIAL PROPOSAL

(On the letter head of the bidder)

Date: -

To,

The State Project Director,
Bihar Education Project Council,
Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus,
Saidpur, Patna - 800 004.
e-mail: ssabihar@gmail.com

Sub: - RFP for Supply, Installation & Training for Operationalization of ATL Labs at 76 Government Secondary/Senior Secondary Schools in Bihar.

Ref: - -----

Sir,

We are pleased to quote the price below. We have reviewed all the terms and conditions of the 'Request for Proposal' and confirm that we would abide by all the terms and conditions. We hereby declare that there shall be no deviations from the stated terms in the RFP.

We further declare that, any State Government, Central Government or any other Government or Quasi Government Agency has not barred us from participating in any Bid.

Our Financial Quote for supply, installation & training for operationalization of integrated science & math lab at 76 government secondary/senior secondary schools is INR (in figures) XXXXXXXXXXXXXX (INR in Rupees). This amount includes all charges and taxes but is **exclusive of GST** which shall be payable at prevailing rates.

We abide by the above offer/quote and terms condition of the RFP, if the BEPC, Bihar selects us as the Selected Bidder/Agency. If our offer is accepted and if we fail to perform in the manner as specified in the RFP Document, the amount of Bid Security, as aforesaid, shall stand absolutely forfeited to the BEPC, Bihar without prejudicing the rights of the BEPC, Bihar to proceed further in any manner it deems fit. Until a formal Agreement is prepared and executed between us, this bid, together with your LOI, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid that you may receive. We declare that the information stated above and enclosed is complete and absolutely correct and any error or omission therein, accidental or otherwise, as a result of which our bid is found to be nonresponsive, will be sufficient for the BEPC, Bihar to reject our bid and forfeit our bid security in full.

Name

Sincerely,

Name of the Firm/Agency

Designation and Address Mobile and Email Signature of the applicant/ Authorized Representative of Agency with Seal/Stamp

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# ANNEXURE – 4: Financial Bid Format Supply, Installation & Training for operationalization of ATL Labs at 76 Government Secondary/Senior Secondary Schools in Bihar

S. No	Particulars	Rate per School	GST	Total Price Per School Including GST
		Α	В	C = A+B
1	Cost of ATL Lab			
Total P	rice			

## Note:

- GST shall be payable at prevailing rates.
- Item wise rate will also be uploaded separately.
- The above costs will be inclusive all.