

Tele: 02831-278288

Air Force Station Bhuj
Taluka- Bhuj
Dist- Kutch, Gujarat
Pin-370001

27WG/1372/3/EDN

Sep 26

M/s.....
.....

*ALL VENDORS ARE TO FORWARD THEIR QUOTES ON
THEIR FIRM'S LETTER HEAD ALONG WITH THE RFP
DOCUMENT EACH AGE DULY STAMPED AND SIGNED.

** RATE OF GST IS TO BE MENTIONED ON FIRM'S LETTER
HEAD SEPARATELY WHILE QUOTING RATES.

REQUEST FOR PROPOSAL
(AIR OFFICER COMMANDING AF STN BHUJ)
INVITATION OF QUOTATION FOR UPGRADEATION OF ATAL TINKERING LAB
FOR AIR FORCE SCHOOL BHUJ
RFP NO: 26-27/AF SCHOOL BHUJ/OPN/TDR/04 DATED 02 SEP 26

1. Bids in sealed cover are invited for supply of items listed in Part-II of this RFP. Please super scribe the above mentioned Title, RFP number and date of opening of the Bids on the sealed cover to avoid the Bid being declared invalid.

2. The address and contact numbers for sending Bids or seeking clarifications regarding this RFP are given below:

- (a) Bids/ queries to be addressed to : **The Chairman SMC, AF School, Bhuj**
- (b) Postal address for sending the Bids : **The Chairman SMC (Attn; Executive Director)
Air Force School, Air Force Station Bhuj
Kutch (Dist) Gujarat-370001**
- (c) Name / Designation of the contact personnel : **Fg Offr Alisha, Executive
Director Air Force School, Bhuj**
- (d) Telephone numbers of the contact personnel : **02831-244176, 9409322480, Extn No 7238**
- (e) Gmail ID : ***airforceschoolbhuj@gmail.com***

3. This RFP is divided into five parts as follows:

- (a) Part I - Contains General Information and instructions for the Bidders about the RFP such as the place of submission and opening of tenders, Validity period of tenders, etc
- (b) Part II- Contains essential details of the items/ services required, such as Specifications, Delivery Period, Mode of Delivery and Consignee details.
- (c) Part III – Contains Standard Conditions of RFP, which will also form part of the Contract with the successful Bidder.

(d) Part IV- Contains Special Conditions applicable to this RFP and which will also form part of the contract with the successful Bidder.

(e) Part V- Contains Evaluation Criteria and Format for Price Bids.

4. This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.

PART I

GENERAL INFORMATION

1. **Last date and time for depositing the Bids : 1100 Hrs on17 Sep 26.** The sealed Bids Should be dropped in the tender box on or before the due date and time. The responsibility to ensure this lies with the Bidder.

MODE OF PROCUREMENT IS ADVERTISED TENDER ENQUIRY

2. **Manner of Depositing the Bids:** Sealed bids should be dropped in the tender box kept at Sub Guard Room or by Regd Post only located at Air Force Station Bhuj, Bhuj-370001 by the due date and time. Late tenders will not be considered. Bids received by post after due date and time will not be considered. No responsibility will be taken for postal delay or non-delivery/non-receipt of Bid documents. Bidders are required to submit Earnest Money Deposit (EMD) along with quotation. Non-compliance would result in rejection of bid.

3. **Time and Date for Opening of Bids:** **1130 Hrs on 21 Sep 26**

If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working date at the same time or on any other day/time, as intimated by the Buyer.

4. **Location of the Tender Box:** **Sub Guard Room, Air Force Station, Bhuj - 370001.** Tender Box marked as Air Force School, Bhuj. Only those Bids that are dropped at tender box in Sub Guard Room and those received by Regd post before the due date and time will be opened. Bids dropped in the improper Tender Box will be rendered invalid.

5. **Place of Opening of the Quotation:** The verification of the documents will be done at Air Force School, Bhuj on the day of opening of the bids. The Bidders may depute their representatives, duly authorized in writing, to attend the event on the due date and time. Rates and important commercial/technical clauses quoted by all Bidders will be read out in the presence of the representative of all the Bidders. This event will not be postponed due to non-presence of representative of any of the firms.

6. **Forwarding of Quotation.** Quotation should be forwarded by Bidders under their original memo/letter pad inter-alia furnishing details like PAN number, GST number, Bank address and Account details with complete postal and E-mail address of their office.

7. **Clarification Regarding Contents of the RFP:** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Authority in writing about the clarifications sought not later than **07 (Seven)** days prior to the date of opening of the Bids. At the same time, the Authority may, at their discretion ask the Bidders for clarification of his bid at the time of evaluation and comparison of bids. Copies of the query and clarification by the purchaser will be sent to as corrigendum for all prospective bidders who have received the bidding documents.

8. **Modification and Withdrawal of Bids:** A bidder may modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the appropriate authority. A withdrawal notice may be sent by fax but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bids. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiry of the period of the specified bid validity. Withdrawal of a bid during this period will result in forfeiture of Bidder's Bid Security/ EMD.

09. **Clarification Regarding Contents of the Bids:** During evaluation and comparison of bids, the Buyer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.
10. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection. Conditional Bids will not be accepted.
11. **Unwillingness to Quote:** Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bid, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.
12. **Validity of Bids:** The Bids should remain valid for **120 days** from the date of opening of tenders from the last date of submission of the Bids.
13. **Performance Bank Guarantee.** The bidder is required to furnish a Performance Guarantee by way of Bank Guarantee through a Public sector bank or a private sector bank authorized to conduct government business (ICICI Bank Ltd, Axis Bank Ltd or HDGC bank Ltd) for a sum **equal to 3% of the contract value** within **30 days** of receipt of the confirmed order. Performance bank Guarantee should be **valid up to 60 days beyond the date of warranty**. The specimen of PBG is given in Form DPM-15 (Available in MOD website and can be provided on request).
14. Alteration/amendments in the bids should clearly be rounded off and initiated by the representative of the firm under whose signature the bids have been submitted.
15. Bids sent by FAX/e-mail will not be considered.
16. **Acceptance of standard conditions of RFP.** The Bidder is required to give confirmation of acceptance of Standard Conditions of the Request for Proposal mentioned which will automatically be considered as part of the Contract concluded with the successful Bidder as selected by the Board of Officers. Failure to do so may result in rejection of Bid submitted by the Bidder.
17. **Earnest Money Deposit.** Bidders are required to submit Earnest Money Deposit (EMD) for amount of 3 % on budgetary quotation. The EMD may be submitted in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the public sector banks or a private sector bank authorized to conduct government business in favour of "AIR FORCE CHILDREN SCHOOL, BHUJ". EMD is to remain valid for a period of forty-five days beyond the final bid validity period. EMD of the Unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract. The Bid Security of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Security from them as called for in the contract. EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organisation (e.g. DGS &D), National Small Industries Corporation (NSIC) or any Department of MoD or MoD itself. A proof of such exemption in the said category of products/services be submitted along with Technical Bid. In case the exemption certificate is not found attached, the bid will be rejected.

PART II- ESSENTIAL DETAILS OF ITEMS/ SERVICES REQUIRED

1.

Sl	Items	Qty
1	As Per Attached Annexure A	
	All the rates with including GST, Transport, Installation at Site	

2. **Delivery Period:** Delivery Schedule of items should be completed by 45 Days as per schedule of requirement at Air Force School Bhuj. The supply order can be cancelled unilaterally by the buyer. Extension of contracted delivery period will be at the sole discretion of the Buyer, with applicability of LD clause.

3. Terms of Delivery: Delivery at site Air Force School Bhuj

4. Consignee Address: Air Force School, Bhuj, Air Force Station Bhuj, Kutch- 370001

PART III- STANDARD CONDITIONS OF RFP

The Bidders are required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by this station. Failure to do so may result in rejection of the Bid submitted by the Bidder.

1. **Law:** The Contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.

2. **Arbitration:** All disputes, differences or questions between the parties prior to touching the subject matter of the agreement of the respective rights or duties of liabilities of the parties under/ or in respect of this agreement shall be referred to sole arbitration of The Air Officer Commanding of this unit, Indian Air Force or person appointed by him or his behalf and the decision of such arbitration shall be the place as the Air Office Commanding at his discretion may determine.

3. **Jurisdiction of Court:** The Courts of the place from where the acceptance of the tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract. In this case the jurisdiction of court shall be Bhuj.

4. **Penalty for use of Undue influence:** The Seller undertakes that he has not given, offered or promised to give directly or indirectly, and gift, consideration, reward, commission, fees brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favour or disfavour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offers by the Seller or any one employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the contract and all or any other contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer / employee of the Buyer or the any other person in a position of influence any officer/employee of the Buyer for showing any favour in relation to this or any other contract, shall render the Seller to such liability / penalty as the Buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

5. **Non-disclosure of contract documents**: Except with the consent of buyer/ Seller, other party shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

6. **Agents / Agency Commission**: The Seller confirms and declares to the Buyer that the Seller is the original manufacturer of the stores/ provider of the services referred to in this Contract and has not engaged any individual or firm, whether Indian or foreign whatsoever , to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to the award of the contract to the Seller: nor any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller has engaged any such individual / firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract, the Seller will be liable to refund that amount to the Buyer. The Seller will also be debarred from entering into any supply Contract with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Seller who shall in such an event be liable to refund all payment made by the Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate.

The Buyer will also have the right to recover any such amount from any contracts concluded earlier with the Government of India.

7. **Access to Books of Accounts**: In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/ Agency Commission and penalty for use for undue influence, the Seller, on a specific request of the Buyer, Shall provide necessary information / inspection of the relevant financial documents / information.

8. **Liquidated Damages:-** In the event of the seller's failure to submit the Bonds, guarantees and Documents, supply the stores/ goods and conduct trail, installation of equipment, training, etc. As specified in the contract, the Buyer may, at his discretion, withhold any payment unit the completion of the contract. The buyer may also deduct from the seller as agreed, liquidated damages to the sum of **0.5%** of the contract price of the undelivered stores/ services mentioned above for every week, subject to the maximum value of the Liquidated Damages being not higher than **10%** of the value of the delayed store.

9. **Termination of Contract**: The buyer shall have the right to terminate this contract in part or in full in any of the following cases:

- (a) The delivery of the material/ service is delayed for causes not attributable to Force Majeure for more than (One Month) after the scheduled date of delivery.
- (b) The seller is declared bankrupt or becomes insolvent.
- (c) The delivery of material is delayed due to causes of Force majeure by more than (One Months) provided Force majeure clauses are included in contract.
- (d) The buyer has noticed that the seller has utilized the services of any Indian / Foreign agent in getting this contract and paid any commission to such individual/ company etc.
- (e) As per decision of the Arbitration Tribunal.

10. **Notices**: Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

11. **Transfer and Sub letting**: The Seller has no right to give, bargain, sell assign or sublet or otherwise dispose of the Contract or any party thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any party thereof.

12. **Amendments:** No provision of present Contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

13. **Taxes and Duties**

(a) **General**

(i) If Bidder desires to ask for excise duty or GST extra, the same must be specifically stated. In the absence of any such stipulation, it will be presumed that the prices include all such charges and no claim for the same will be entertained.

(ii) If reimbursement of any GST is intended as extra over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of such duty/tax will be entreated after the opening of tenders.

(iii) If a Bidder chooses to quote a price inclusive of any duty/ tax and does not confirm inclusive of such duty/ tax so included is firm and final, he should clearly indicate the rate of such duty /tax and quantum of such duty/tax included in the price. Failure to do so may result in ignoring of such offers summarily.

(iv) If a Bidder is exempted from payment of any duty/ tax up to any value of supplies from them, he should clearly state that no such duty /tax will be charged by him up to the limit of exemption which he may have. If any concession is available in regard to rate/ quantum of any duty/tax., it should be brought out clearly. Stipulations like, the said duty/tax was presently not applicable but the same will be charges if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that such duty/ tax will not be charges by him even if the same becomes applicable later on. In respect of the Bidders, who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of such duty /tax which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders.

(v) Any change in any duty/ tax upward /downward as a result of any statutory variation in excise taking place within contract terms shall be allowed to the extent of actual quantum of such duty / tax paid by the supplier. Similarly, in case of downward revision in any duty/tax, the actual quantum of reduction of such duty /tax shall be reimbursed to the Buyer by the Seller. All such adjustments shall include all reliefs, exemptions, rebates, concession etc, if any obtained by the Seller.

PART IV- SPECIAL CONDITIONS OF RFP

1. **Performance Guarantee/FD:** The bidder is required to furnish a Performance Guarantee by way of Bank Guarantee through a Public sector bank or a private sector bank authorized to conduct government business (ICICI Bank Ltd, Axis Bank Ltd or HDGC bank Ltd) for a sum **equal to 3% of the contract value** within **30 days** of receipt of the confirmed order. Performance bank Guarantee should be **valid up to 60 days beyond the date of warranty**. The specimen of PBG is given in Form DPM-15 (Available in MOD website and can be provided on request).

2. **Warranty / Guarantee clause:** The contractor / seller hereby will submit a certificate that the goods/ stores/ articles sold / supplied to the purchases under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained / mentioned in this contract. Warranty period for the project is **01 Year** with maintenance.

3. **Terms of payment:** The Executive Director Air Force School Bhuj will make payment of bills cheque to the carrier within 30 days of receipt of bills along with a copy of GR duly receipted by the consignee.

4. **Advance Payment** : No Advance payment(s) will be made.

5. **Payment Terms:** Payment to be made to the firms on completion of Project.

6. **Paying Authority:** Executive Director Air Force School Bhuj (from School fund)

7. **Inspection Authority:** Chairman or his representative

PART V- EVALUATION CRITERIA & PRICE BID ISSUES

1. **Evaluation Criteria:** The broad guidelines for evaluation of bids will be as follows:

- (a) Only those bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP both technically as well as commercially.
- (b) The lowest bid will be decided upon the lowest price quoted by the particular bidder as per the price format given at para 2 below. The consideration of taxes and duties in evaluation process will be as follows:
 - (i) In cases where only indigenous bidders are competing, all taxes and duties (including those for which exemption certificates are issued) quoted by the bidders will be considered. The ultimate cost to the buyer would be the deciding factor for ranking of bids.
- (c) The bidders are required to spell out the rates of customs duty, Excise duty, GST, Service tax etc in unambiguous terms, otherwise their offers will be loaded with maximum rates of duties and taxes for the purpose of comparison of prices. If re-imbursement of customs duty /Excise duty/GST is intended as extra, over the quoted prices, the bidder must specifically say so. In the absence of any such stipulation it will be presumed that the process quoted are firm and final and claim on account of such duties will be entailed after the opening of tenders.
- (d) If there is any discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.
- (e) The Lowest Acceptable Bid will be considered further for placement of contract/ Supply Order after complete clarification and price negotiations as decided by the Buyer, The Buyer will have the right to award contracts to different Bidders for being lowest in particular items. The Buyer also reserves the right to do Apportionment of Quantity, If it is convinced that Lowest Bidder is not in a position to supply full quantity in stipulated time.

2. The vendors are required to check the following before submission of their offer against TE

Sl No	Details	Yes/ No
(i)	Have you read and understood all clauses mentioned in Pr-I to Pt-V of RFP ?	
(ii)	Have you filled the bids in clear terms?	
(iii)	Is there any deviation from the T & C of RFP?	
(iv)	If (iii) is yes, have you listed out the deviations?	
(v)	Are you submitting bids in time?	
(vi)	Have the subject items been supplied to IAF/ other agency earlier?	

3. **Price Bid Format:** The Price Bid Format is given below and Bidders are required to fill this up correctly with full details and Bidders are also requested to quote GST separately and other charges, non quoting of GST separately will lead to rejection of bid L-1 bidder will be decided based on Basic cost of items only.

(a) Basic cost of the item/ items:

<u>Details</u>	<u>Qty</u>	<u>Basic Rate</u>	<u>Total Rate</u>
As per Mentioned in Para 1 of Part II of RFP			
All the rates with including GST, Transport, Installation at Site			
Grand Total			

---sd---
(Alisha)
Fg Offr
Executive Director
Air Force School Bhuj

ANNEXURE A

GROUND WORK IN ATAL TINKERING LAB, AIR FORCE SCHOOL BHUJ				
Sl No	Item	Den	Qty	Description
1	Painting	Sq Ft	2075.	All holes and bad patches on wall and ceiling will be filled with wall putty. Single coat primer, followed by two coats of water base premium colour of NEROLAC or similar quality. Shades as per buyer's choice.
2	Art Painting	Lump-sum	1.	Available space on walls will be painted with AI/Science Lab related pictures/quotes.
3	Desktop Computer (Without Monitor)	Set	1.	HP Pro 280 G9 SFF Core i3-12100 / 16 GB RAM, 512 GB SSD, Windows-11 Pro, WiFi-Bluetooth, USB wired keyboard and mouse + 3 years warranty. Cyber Power 650VA UPS included. AI Tools and PCB Design software (KiCAD) included.
4	White Board	Nos	1.	White board of 3' x 2' fitted as per buyer's choice.
5	Working Table Towards Front Side	Sq Ft	52.5	Continuous table using ISI Mark prelaminated plywood of 18mm + 8mm, fitted towards front side. Complete table with drawers and shelves as per buyer's choice. Length 12", Depth 21", Height 30".
6	Renovation of Existing Cupboard	Sq Ft	35.	Wooden portion of existing cupboard removed and fitted with new wooden frame glass doors. Size 7' x 5'.
7	Renovation of the Existing Gate (Inner)	Sq Ft	18.	Existing gate fixed with new sunmica and accessories to give it a new matching look. Size 3' x 6'.
8	Window Blinds	Sq Ft	122.	All windows fitted with window rolling blinds with buyer's choice shade/prints. Size: 8' x 2' Qty 02, 8' x 5' Qty 02, 5' x 2' Qty 01.
9	Working Table	Sq Ft	150.	Continuous working table using ISI Mark prelaminated plywood, fitted towards right-side wall. No back-side partition. Only 4" height partition on table top and full partition at bottom, at every 2 ft. No drawers. Length 30', Depth 24", Height 30".
10	Renovation of Existing Table	Lump-sum	1.	Existing qty 02 tables will be joined and stuck with matching sunmica and bottom part painted to give a new matching look.
11	New Wooden Cupboards	Sq Ft	56.	Qty 02 new wooden cupboards with wooden frames, glass doors and required shelves as per buyer's choice. ISI Mark prelaminated plywood of 18mm/8mm. Size: 7' x 4' x Qty 02.
12	Upgrading Charges from Basic Package to Advance Package	Fix	1.	Upgrading charges from Basic Package to Advance Package.
Remarks:- Vendor can visit the school site before sending the quotation				

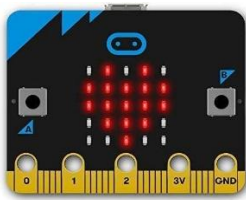
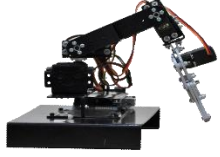
Integrated STEAM-Robotics & AI Lab - Standard Option

Batch Size - 32 Students

Category-1- DIY Kits & Hardware

Sr.No.	Category	DIY Kit Name	Description	Image	Programmable/ Non-Programmable	Kit to Student Ratio	Grade Category	Quantity
1	STEM-Electronics	Smart Circuit Kit (SKU - STEMROB01 604)	Smart Circuit Kit offers over 50 DIY projects, 40+ interactive simulations, and 10 real-world model templates. With a colorful manual and easy instructions, kids get hands-on experience in circuit design and electronics. The kit includes 12+ components, 30+ magnetic blocks, and 40+ accessories—powered by USB or DC, with no soldering needed. Perfect for learning how everyday devices work!		Non-Programmable	1:4	1st to 8th	8
2	STEM-Robotics	STEM Block Based Dynamic Motion Kit (Equivalent to Lego) (SKU : 1670)	STEM Block Based Dynamic Motion Kit A 420-piece block set for building 58+ models that teach mechanics, gears, and engineering. Ideal for hands-on STEM learning as it teaches fundamentals of physics without the need of programming.		Non-Programmable	1:4	1st to 2nd	8
3	STEM-Electronics	Basic Electronics Kit. (SKU : 1602)	Breadboard Basic Electronics Kit let kids explore real components without soldering, making it safe and beginner-friendly. Since breadboards are widely used for prototyping, learning to use them builds a valuable foundation for future electronics projects.		Non-Programmable	1:4	6th- 12th	8
4	DIY Kit Block Based Robotics	Block Based Construction Kit. (SKU :1643)	The Block Based Construction Kit helps children grasp basic physics concepts through hands-on learning. By building machines and mechanisms, they compare designs, understand scientific principles, and gain confidence in creating and executing their own ideas.		Non-Programmable	1:4	3rd- 8th	8

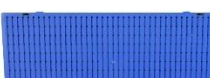
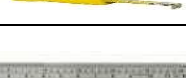
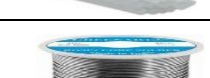
5	Mechanica I-Robotics	Mechatron Kit. (SKU - STEMROBO 1612)	MECHATRONICS Robotic Kit is designed for kids aged 6+. It includes 150+ parts like motors, gears, control cards, and a remote. With a step-by-step guide, children learn science and math concepts while building their own robotic projects.		Both	1:4	3rd- 8th	8
6	Block Based DIY Kit	Fun Linkers (SKU : 1620)	Fun Linker Kits are perfect for early tinkerers to spark creativity, imagination, and logical thinking. Kids explore various types of links and joints, connecting components at different angles to build multiple objects—boosting tactile skills and hand-eye coordination through playful learning.		Non Programmable	1:4	1st-3rd	8
7	AI, IoT & Robotics	Tinker Orbits. (SKU STEMROBO 1609)	Tinker Orbits STEAM Robotics Kit is a hands-on DIY kit that helps kids explore electronics, sensors, robotics, logic, and programming using plug-and-play modules. It supports both beginner and advanced learners with programmable and non-programmable activities, including block-based and text-based coding. Perfect for building real skills in a fun, educational way!		Both	1:4	3rd - 12th	8
8	AI Project Based Learning Kit	Tinker Orbits - Extended PBL Box (SKU :1652)	Tinker Orbits Extended Project Based Kit offer students to create 12 unique projects around the the concepts of AI like Smart Home, Smart Irrigation System, Railway Crossing, Smart dustbin etc.		Programmable	1:All	For Project Purpose	1
9	STEM-Robotics	Robotics Starter Kit (SKU : 1606)	End-to-End Robotics Learning Kit A complete platform to kickstart your child's journey in robotics—from beginner to advanced levels. Students learn programming through block and text-based coding, and explore sensor and actuator interfacing with Arduino. Perfect for building skills in DIY electronics and robotics through hands-on experience.		Programmable	1:All	For Project Purpose	1

10	AI- Robotics	MicroBit Explorer Kit. (SKU : 1655)	BBC micro:bit is a compact, beginner-friendly computer that helps kids learn how software and hardware work together. It features an LED display, buttons, sensors, and input/output options for interactive projects. The latest version, micro:bit with sound, adds a built-in microphone, speaker, extra touch button, and power button—making coding and electronics even more engaging and fun!		Programmable	1:4	3rd to 8th	6
11	AI, IoT & Robotics	Bitli Kit. (SKU : 1665)	Bitli Robot Kit is a creative, block-based robot that grows with your child's skills—from basic builds to advanced AI projects. With 200+ bricks, 360° servos, LED strips, and micro:bit integration, kids can explore 15+ robot designs and 50+ hands-on coding and robotics activities. Perfect for sparking imagination and learning through play!		Programmable	1:All	6th to 12th	1
12	AI, IoT & Robotics	STEMBOT (SKU : STEMROB01 603)	StemBot is a graphical programming robot for STEM education, which inherits playability and simple operation on the micro:bit (Version 2). Includes various sensors like IR (Infrared Sensor), Ultrasonic sensor, and Light sensor to make DIY robotics projects. MakeCode is a free online coding platform available to code and learns advanced coding concepts.		Programmable	1:All	6th to 12th	1
13	AI, IoT & Robotics	Robotics Arm (SKU : 1661)	AI Powered Robotic Arm Kit revolutionizes pick and place operations by leveraging advanced AI Technologies to mimic human hand movements with precision. Utilizing a Laptop camera, the robotic arm replicates the users arm movements including the fingers enables seamless and efficient pick and place task		Programmable	1:All	For Project Purpose	1

14	STEM-Robotics	Drone (SKU : 1630)	Compact Dual-Camera Drone Features front and bottom 720p HD cameras, Wi-Fi/smartphone or remote control, brushless motors, and stable flight via optical-flow and 6-axis gyro. Key functions: one-key takeoff/landing, headless mode, 360° flips, gesture shots, waypoint flight, altitude hold. Flight time: 12–15 mins Range: 150–200 ft Live video: 20–30 m Includes: drone, battery, remote, spare blades, USB charger, screwdriver.		Programmable	1:All	For Project Purpose	1
15	Rapid Prototyping Tool	3D Printer. (SKU : 1673)	High-Speed CoreXY 3D Printer Fully enclosed with a 250×250×250mm build volume, supports PLA, PETG, TPU, ABS, ASA. Max speed: 600mm/s; recommended: 300mm/s; acceleration up to 20,000mm/s ² . Standard 0.4mm nozzle (expandable to 0.2/0.6/0.8mm). Features: 44dB quiet mode, 4.3" touchscreen, 480P camera (video + timelapse), AI error/spaghetti detection, belt-tension and flow calibration.		Programmable	1:All	Prototype Purpose	1
						Total No. of DIY Kits		69
Category-2- Consumable and Accessories Components								
16	Accessories	Plastic Tray. (SKU : 3204)	This tray will help students to organize the small components when they will do any project. It will help to reduce the misplace the items.		NA	1:4	ś	8
17	Rapid Prototyping Tool	Filament for 3D Printer (SKU : 3172)	This durable filament is ideal for strong prototypes, functional parts, and creative builds. It offers smooth layer adhesion, odorless printing, and wide compatibility with 3D printers—perfect for both professionals and hobbyists.		NA		Prototype Purpose	2
18	Sensor Box	Sensor Modules. (SKU : 1608)	Piezoelectric Plate					2
19	Sensor Box	Sensor Modules. (SKU : 1608)	Keypad - 16 key switch					2

20	Sensor Box	Sensor Modules. (SKU : 1608)	Joy Stick					2
21	Sensor Box	Sensor Modules. (SKU : 1608)	4 Channel Capacitive Touch Switch(TTP224)					1
22	Sensor Box	Sensor Modules. (SKU : 1608)	Humidity Sensor Module					1
23	Sensor Box	Sensor Modules. (SKU : 1608)	MQ - 2 Smoke Detection					2
24	Sensor Box	Sensor Modules. (SKU : 1608)	MQ-3 Alcohol - Ethanol Sensor					2
25	Sensor Box	Sensor Modules. (SKU : 1608)	MQ-135 Air Quality Sensor					1
26	Sensor Box	Sensor Modules. (SKU : 1608)	Ultrasonic Sensor Module HC-SR-04 or compatible					10
27	Sensor Box	Sensor Modules. (SKU : 1608)	Triple Axis Accelerometer					1
28	Sensor Box	Sensor Modules. (SKU : 1608)	Soil Moisture Sensor					5
29	Sensor Box	Sensor Modules. (SKU : 1608)	Touch Sensor (TTP223B)					1
30	Sensor Box	Sensor Modules. (SKU : 1608)	Metal touch sensor module					1
31	Sensor Box	Sensor Modules. (SKU : 1608)	Rain Drop Sensor		Programmable	1:All	For Project Purpose	1
32	Sensor Box	Sensor Modules. (SKU : 1608)	Water Flow Sensor					1
33	Sensor Box	Sensor Modules. (SKU : 1608)	Sound Sensor					1
34	Sensor Box	Sensor Modules. (SKU : 1608)	RFID Reader - Tags					1
35	Sensor Box	Sensor Modules. (SKU : 1608)	VTR Switch					10
36	Sensor Box	Sensor Modules. (SKU : 1608)	Toggle Switch					10
37	Sensor Box	Sensor Modules. (SKU : 1608)	IR Sensor					10
38	Sensor Box	Sensor Modules. (SKU : 1608)	LDR Module					10
39	Sensor Box	Sensor Modules. (SKU : 1608)	Flame Sensor					1

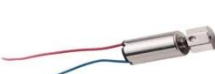
40	Sensor Box	Sensor Modules. (SKU : 1608)	Human Body Temp Sensor Prob DS18B20						1
41	Sensor Box	Sensor Modules. (SKU : 1608)	GPS						1
42	Sensor Box	Sensor Modules. (SKU : 1608)	GSM 900 A						1
43	Sensor Box	Sensor Modules. (SKU : 1608)	Pulse Heart Rate Sensor						2
44	Sensor Box	Sensor Modules. (SKU : 1608)	PIR Motion Sensor						1
45	Sensor Box	Sensor Modules. (SKU : 1608)	Flex Sensor						1
46	Sensor Box	Sensor Modules. (SKU : 1608)	PH Sensor						1
47	Sensor Box	Sensor Modules. (SKU : 1608)	TSOP with Remote						1
48	Soldering Box	PCB Prototyping. (SKU : 1601)	Hookup Wire Roll (Red)		NA	1:All	For Project Purpose	1	
49	Soldering Box	PCB Prototyping. (SKU : 1601)	Hookup Wire Roll (Black)					1	
50	Soldering Box	PCB Prototyping. (SKU : 1601)	Hot glue gun					1	
51	Soldering Box	PCB Prototyping. (SKU : 1601)	Soldering Iron 30 watts/230 volts					1	
52	Soldering Box	PCB Prototyping. (SKU : 1601)	De-Soldering Pump					1	
53	Soldering Box	PCB Prototyping. (SKU : 1601)	Soldering Flux (Paste)					1	
54	Soldering Box	PCB Prototyping. (SKU : 1601)	DE-soldering Copper Braid(Solder Wick)					1	
55	Soldering Box	PCBPrototyping. (SKU : 1601)	Soldering Wire: 20/22 AWG soldering Wire with rosin core flux					1	
56	Soldering Box	PCB Prototyping. (SKU : 1601)	Glue Sticks					10	
57	Soldering Box	PCB Prototyping. (SKU : 1601)	Safety goggles					2	
58	Soldering Box	PCB Prototyping. (SKU : 1601)	Safety Gloves Pairs					2	
59	Soldering Box	PCB Prototyping. (SKU : 1601)	Safety Mask					5	

60	Soldering Box	PCB Prototyping. (SKU : 1601)	Helping hand					1
61	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Long Nose Plier		NA	1:All	For Project Purpose	1
62	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Combination Plier					1
63	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Wire Stripping Plier					1
64	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	5 Piece Tweezer Set					1
65	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Allen Key Set					1
66	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Adjustable Universal Multi Wrench Spanner 205 mm					1
67	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	30 in 1 Multipurpose Screwdriver Set					1
68	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Flexible Cutting Mat(A/3 Size)					1
69	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Plastic Tool Box Organiser					1
70	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	PegBoard		NA	1:All	For Project Purpose	1
71	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Return Measuring Tape					1
72	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Stainless Steel Rule					1
73	Mechanica l Tool Kit	Mechanical Tools. (SKU : 1610)	Digital Vernier Caliper					1
74	Consumabl e Box	Consumable Box. (SKU : 1654)	Glue Stick					40
75	Consumabl e Box	Consumable Box. (SKU : 1654)	Soldering Wire					2
76	Consumabl e Box	Consumable Box. (SKU : 1654)	Zero PCB					10
77	Consumabl e Box	Consumable Box. (SKU : 1654)	Male Berg Strip					10
78	Consumabl e Box	Consumable Box. (SKU : 1654)	Female Berg Strip					10
79	Consumabl e Box	Consumable Box. (SKU : 1654)	Male-Male Jumper Wire					200

80	Consumable Box	Consumable Box. (SKU : 1654)	Male-Female Jumper Wire					150
81	Consumable Box	Consumable Box. (SKU : 1654)	Female-Female Jumper Wire					100
82	Consumable Box	Consumable Box. (SKU : 1654)	9V Battery with Cap					10
83	Consumable Box	Consumable Box. (SKU : 1654)	11.6 V Rechargeable Battery					10
84	Consumable Box	Consumable Box. (SKU : 1654)	Twisted Wire (In Mtr)					5
85	Consumable Box	Consumable Box. (SKU : 1654)	Rubber Band (100Pcs.)					1
86	Consumable Box	Consumable Box.(SKU : 1654)	Fevicol- 500 ml					1
87	Consumable Box	Consumable Box. (SKU : 1654)	Ice Cream Stick (50 Pcs.)					1
88	Consumable Box	Consumable Box. (SKU : 1654)	Zip Tie (Medium)- 100nos.					1
89	Consumable Box	Consumable Box. (SKU : 1654)	Double Sided Tape					2
90	Consumable Box	Consumable Box. (SKU : 1654)	Volatge Regulator 7805					10
91	Consumable Box	Consumable Box. (SKU : 1654)	Diode and transistor Kit				For Project Purpose	1
92	Consumable Box	Consumable Box. (SKU : 1654)	Discovering Motion Kit Motor					4
93	Consumable Box	Consumable Box. (SKU : 1654)	Mechatron Kit Motor					4
94	Consumable Box	Consumable Box. (SKU : 1654)	Smart Circuit Kit DC Motor					2
95	Consumable Box	Consumable Box. (SKU : 1654)	TinkerOrbits LED Strip					1
96	Consumable Box	Consumable Box. (SKU : 1654)	TinkerOrbits DC Motor					1
97	Consumable Box	Consumable Box. (SKU : 1654)	TinkerOrbits Vibro Motor					1
98	Consumable Box	Consumable Box. (SKU : 1654)	TinkerOrbits 3pin Wire					4
99	Consumable Box	Consumable Box. (SKU : 1654)	TinkerOrbits ESP Module					1

100	Accessories	Accessories Box. (SKU : 1653)	Wire Stripper		NA	1:All	For Project Purpose	2
101	Accessories	Accessories Box. (SKU : 1653)	AA Size Pencil Cell					10
102	Accessories	Accessories Box. (SKU : 1653)	AAA Size Pencil Cell					10
103	Accessories	Accessories Box. (SKU : 1653)	Power Strip Adaptor					2
104	Accessories	Accessories Box. (SKU : 1653)	Bulb Holder					5
105	Accessories	Accessories Box. (SKU : 1653)	Multimeter					2
106	Accessories	Accessories Box. (SKU : 1653)	12 V 2A Adaptor					2
107	Accessories	Accessories Box. (SKU : 1653)	5V 2A Adaptor					2
108	Accessories	Accessories Box. (SKU : 1653)	USB to DC Jack Cable					5
109	Accessories	Accessories Box. (SKU : 1653)	Arduino Uno Cable					5
110	Accessories	Accessories Box. (SKU : 1653)	Arduino Nano Cable					2
111	Accessories	Accessories Box. (SKU : 1653)	USB to C Type Cable					2
112	Accessories	Accessories Box. (SKU : 1653)	Battery Holder 2 Cell				For Project Purpose	5
113	Accessories	Accessories Box. (SKU : 1653)	Battery Holder 3 Cell					5
114	Accessories	Accessories Box. (SKU : 1653)	Battery Holder 1 Cell					5
115	Accessories	Accessories Box. (SKU : 1653)	Charger for Rechargeable Battery					3
116	Accessories	Accessories Box. (SKU : 1653)	Power Bank (10000 MaH)					3
117	Accessories	Accessories Box. (SKU : 1653)	Line Follower Track Sheet					1

118	Accessories	Accessories Box. (SKU : 1653)	Fire Extinguisher (2 kg)					1
119	Accessories	Accessories Box. (SKU : 1653)	First Aid Kit					1
120	Controllers	Controller Box (SKU : 1676)	Arduino Uno With Casing + Cable		Programmable	1:All	For Project Purpose	10
121	Controllers	Controller Box (SKU : 1676)	Arduino Nano With Cable					6
122	Controllers	Controller Box (SKU : 1676)	Arduino Mega With Casing					2
123	Controllers	Controller Box (SKU : 1676)	Node MCU With Cable					6
124	Controllers	Controller Box (SKU : 1676)	Raspberry Pi Pico With Cable					2
125	Actuators	Actuator Box. (SKU: 1675)	Relay Module Single Channel				For Project Purpose	5
126	Actuators	Actuator Box. (SKU: 1675)	Relay Module Double Channel					2
127	Actuators	Actuator Box. (SKU: 1675)	Water Pump Module 5V					1
128	Actuators	Actuator Box. (SKU: 1675)	Motor Driver Shield-L298N				For Project Purpose	5
129	Actuators	Actuator Box. (SKU: 1675)	Servo Motor Small Plastic Gear SG90				For Project Purpose	2
130	Actuators	Actuator Box. (SKU: 1675)	Servo Motor Small Metal Gear MG90				For Project Purpose	2
131	Actuators	Actuator Box. (SKU: 1675)	Servo Motor 180Degree Big					2

132	Actuators	Actuator Box. (SKU: 1675)	LED Blue				50
133	Actuators	Actuator Box. (SKU: 1675)	LED Green				320
134	Actuators	Actuator Box. (SKU: 1675)	LED Red				30
135	Actuators	Actuator Box. (SKU: 1675)	LED White				30
136	Actuators	Actuator Box. (SKU: 1675)	RGB LED				15
137	Actuators	Actuator Box. (SKU: 1675)	Bluetooth HC05 Module				5
138	Actuators	Actuator Box. (SKU: 1675)	Laser Diode				2
139	Actuators	Actuator Box. (SKU: 1675)	16X2 I2C LCD				2
140	Actuators	Actuator Box. (SKU: 1675)	OLED Display				2
141	Actuators	Actuator Box. (SKU: 1675)	Vibro motor				2
142	Actuators	Actuator Box. (SKU: 1675)	Buzzer				10
143	Actuators	Actuator Box. (SKU: 1675)	Resistor Box				5

144	Actuators	Actuator Box. (SKU: 1675)	Capacitor Box					1
145	Actuators	Actuator Box. (SKU: 1675)	Caster Wheel					2
146	Actuators	Actuator Box. (SKU: 1675)	DC MOTOR 12V 150 RPM					4
147	Actuators	Actuator Box. (SKU: 1675)	WHEEL FOR 12V MOTOR					4
148	Actuators	Actuator Box. (SKU: 1675)	BO Motor					10
149	Actuators	Actuator Box. (SKU: 1675)	BO Motor Wheels					10
150	STEMROBO 360° Execution Support Ownership Plan with Warranty & AMC	STEMROBO 360° Execution Support Ownership Plan with Warranty & AMC	• Monthly Onsite Teachers Training (Maximum of 8 Days in total) spread across the Year. • Graded Progressive STEMROBO Program Curriculum for the Next 1 Year. • Access to STEMROBO Learn LMS for all Teachers and Students for the Next 1 Year. • Access to Unified AI Connect Coding Platform for all Teachers & Students for the Next 1 Year. • 1 Year Extended Warranty/AMC on All Equipment and DIY Kits.	N/A	N/A	-	2026-27	1
							Total Items	1050