

Tender Ref No:

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**Subject: TENDER ENQUIRY FOR MECHANICAL TOOLS AND COMPONENTS**

1. Army Public School (MIC&S), Ahilyanagar invites sealed tender for above work. Complete Tender Documents comprising of following are issued herewith.

Annexure - I	-	Instructions to Tenderers
Annexure - II	-	Tender Conditions
Annexure - III	-	Tender Conditions Acceptance Letter
Annexure - IV	-	Evaluation Criteria and Price Bid Issues
Annexure-V	-	Checklist for TEC
Annexure – VI	-	Technical Specifications for Setting Up of Composite Skill Lab
Annexure – VII	-	Qualitative Requirements (QR) for Trainer
Annexure-VIII	-	Commercial Bid : Setting Up of Composite Skill Lab

2. Tenderer should sign on each page of tender document, affix their Seal and submit tender in sealed envelope in the manner prescribed in Annexure - I **on or before 04 March 2026 by 1600hrs.**

Dated : February 2026

ANNEXURE -1INSTRUCTIONS TO TENDERERS

1. **General.** Army Public School (MIC&S), Ahilyanagar invites Tender through 2 (Two) bid system (i.e., Technical and Financial bid) from eligible applicants who fulfill qualification criteria as stipulated in Annexure IV. Any clarification / information / assistance, the intending tenderer should visit the site at school **at 1000 hrs from 27 February 2026 to 28 February 2026** or contact at Mob No **94232 60381**.
  
2. **Submission of Tender.** The tender duly completed in all respects shall be submitted along with **Earnest Money Deposit of Rs 20,000/- (Rupees twenty thousand only)** drawn in favour of "Army Public School (MIC&S), Ahilyanagar", payable at Ahilyanagar. Tenders without Earnest Money Deposit are liable to be rejected. In case your tender is not accepted, this money will be refunded to you (without interest) after opening of tenders. You will be required to write an application to us asking for the same.
  - (a) Tender form if sent by post will bear the caption TENDER FORM: "SETTING UP OF COMPOSITE SKILL LAB" - TO BE OPENED BY BOARD OF OFFICERS ONLY".
  - (b) Tender form if sent by post must reach Army Public School (MIC&S), Ahilyanagar **on or before 04 March 2026 by 1600 hrs**, failing which the same will not be considered.
  
3. Envelope shall contain the following: -
  - (a) Earnest Money Deposit of Rs 20,000/- in the form of Demand Draft/Cheque.
  - (b) Tender form will be sent in a sealed cover only. Address and Telephone number of the contractor must be mentioned on the opposite side of the envelope. Technical bids and commercial bids will be sent in different envelopes contained in one envelope clearly mentioning technical bids / commercial bids on envelope.
  - (c) All pages of Tender documents including this page duly signed and seal affixed.
  - (d) Price bid duly filled with individual item rates, corresponding amount and total price as per the BOQ.
  
4. **Award of Work**
  - (a) The tender of lowest bidder will be entertained based on meeting the technical requirements of Tender Enquiry, fulfilling of terms and conditions specified in the tender enquiry.
  - (b) The School management reserves the right to accept or reject any tender in part or full without assigning any reason whatsoever.
  - (c) The School management also reserves the absolute right to reject any or all the tenders at any time solely based on the past unsatisfactory performance by the tenderer(s).
  
5. **Corrections / Ambiguities.**
  - (a) All correction in the schedule of rate should be initialled.
  - (b) Inconsistency / ambiguities in the price bid (schedule of quantities) shall be dealt with in accordance with the following rules: -

(i) Rates quoted by the tenderer in figures and words shall be accurately filled. If a discrepancy is found, the rates which are in words shall be taken as correct.

(ii) In the event no rate has been quoted for any item(s), leaving space blank, it will be presumed that the contractor has included the cost of this / these item(s) in other items and rate for such item(s) shall be considered as zero and work will be required to be executed accordingly.

(c) **A pre-bid meeting** will be held at Army Public School (MIC&S), Ahilyanagar on **01 March 2026 at 1130h**. All interested vendors are requested to attend and seek clarification if any.

6. **Firm Rates**. The rates quoted by tenderer shall remain firm till completion of all works even during the extended period.

7. **EMD**. EMD of the unsuccessful tenderer shall be refunded without any interest after completion of the tendering process by submitting an application for refund of EMD. The EMD of successful tenderer will be refunded after submission of PBG.

8. **Performance Bank Guarantee (PBG)**. A Performance Bank Guarantee (PBG) of 05% of the total Supply Order Value (incl GST) will be payable by the vendor to the school within 15 days of issue of work order in the form of Demand Draft / Banker's Cheque. The PBG will be returned to the supplier on successful completion of three years warranty period.

9. **Requirement of Installation / Commissioning**. Onsite delivery of stores with installation and commissioning with accessories will be responsibility of the Bidder. The project will be deemed to be completed once the acceptance certificate and certificate for successful completion are issued.

10. **Payment Terms**. It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details so that payments could be made through ECS / NEFT mechanism instead of payment through cheques, wherever feasible. Payments will be made by Army Public School (MIC&S), Ahilyanagar after receiving of all stores. Payment shall be paid to the Bidder after complying with following conditions: -

- (a) 40% payment on delivery of complete stores as per Supply Order.
- (b) Balance amount to be paid on installation & commissioning of Lab.
- (c) Inspection and acceptance of stores by a board of officers.
- (d) Preparation of Certified Receipt Voucher (CRV).
- (e) The payment of all taxes / duties (Custom duty, Central Sales Tax, Excise duty, other charges etc) will be paid on receipt of documentary proof.

11. **Delivery**. The delivery of stores with installation and commissioning shall be completed within 30 days from the date of issue of the Supply Order failing which liquidated damage @ 0.5% per week shall be deducted from final payment, for each week of delay beyond the delivery period up to maximum of 2%.

12. **Rejection of Materials**. The materials found defective and not in accordance with the specification at the time of verification will not be accepted and the concerned supplier has to take back the rejected materials within 7 days from the date of rejection at his own expenses failing which Army Public School (MIC&S), Ahilyanagar will not be held responsible for any loss of materials. In case such materials are accepted the supplier shall be liable to pay such penalty mentioned in the

foregoing clauses. The verification of the materials will be done by the appropriate committee of Army Public School (MIC&S), Ahilyanagar.

13. **Warranty**. The following Warranty will form part of the Supply Order placed on successful Bidder:-

(a) The Seller warrants that the goods supplied under the supply order conform to Technical Specification prescribed and shall perform according to the said Technical Specification.

(b) The Seller must provide Three (03) Year comprehensive on-site warranty and it will start from the date of the satisfactory installation / commissioning of goods, against the defect of any manufacturing, workmanship and poor quality of the components. No offer of the vendor will be accepted without warranty/ guarantee of their supplied goods.

14. **Responsibilities of the Seller**. The Seller will provide any maintenance / repair / replacement for prototype and perpetual machineries.

**TENDER CONDITIONS**

Name of work	"Mechanical Tools and Components"
Earnest Money	Rs 20,000/- in the form of DD/ Cheque.
Tender Document available APS website a Sai ur.edu.in	<b>From 27 February 2026 to 04 March 2026</b>
Last date of seeking clarification	<b>28 February 2026 by 1130hrs</b>
Pre bid meeting	<b>01 March 2026 by 1130hrs</b>
Last date of issuing amendment If an	<b>04 March 2026 by 1100hrs</b>
Date & Time of opening of Tender (Technical Bid)	On <b>05 March 2026 at 1100hrs</b> (If there is any change in the opening date, it will be updated on the school website <a href="https://www.apsmicsahmednagar.com">https://www.apsmicsahmednagar.com</a> ). All vendors are required to be present. Attendance will be marked.
Date & Time of opening of Commercial Bid	Will be informed later, after the evaluation of the Technical Bids (only to the bidders who successfully qualify in the Technical Evaluation).
Validity of Tender	180 days from the last date of submission of tender
Delivery Period	Delivery of stores with installation and commissioning shall be completed within 30 days from the date of issue of the Supply Order
Performance Bank Guarantee	A Performance Bank Guarantee (PBG) of 05% of the total Supply Order value (incl GST) will be payable by the vendor to the school within 15 days of issue of supply order in the form of Demand Draft / Banker's Cheque. The PBG will be returned to the supplier on successful completion of three years warranty period.
Assignment and Sub — Contracting	The contractor shall not assign / sub contract the whole of the work under the contract
General responsibility of the contractor	The contractor shall physically assess the requirement as suggested / observed by the school authorities and execute the whole and every part of work in the most substantial and work like manner in eve respect.
Authority and place for submission of tender cost & Tender Security (EMD) in the form of demand draft/Cheque, required documents (if any) and seeking clarifications on tender documents	Army Public School (MIC&S), Ahilyanagar

**ELIGIBILITY CRITERIA**

1. **Minimum Eligibility Criteria.** The bidders shall meet the following minimum eligibility requirement through supporting documentation to qualify for participation in the bidding process

Description of Criteria		Required supporting Documents
Criteria		
(a)	The bidder must have at least two-year experience in providing similar services in Govt Departments, Public Sector Undertakings, reputed corporate house, Autonomous body. or Educational Institutes etc.	Copy of supporting work order, completion certificate as applicable shall be furnished.
(b)	Bidder should be registered with the income Tax, Goods and Services Tax	Copies of PAN, GSTIN, IT Returns of the last 03 years
(c)	No penalization of the firm has happened for non- performance / execution or completion of task of more than 10% of contract value.	Undertaking needs to be provided in the letter head of the bidder.
Financial Criteria		
(a)	The bidder must be a regular IT return filer. Firm should furnish cop of last three ear IT return.	Duly attested supporting documents
(b)	The bidder must have minimum annual turnover of 1 Crore Lakhs.	Balance Sheet should be attached.

**TENDER CONDITIONS ACCEPTANCE LETTER****(PRINTED ON FIRM'S LETTER HEAD)**

The Chairman,  
 Army Public School (MIC&S)  
 Ahilyanagar

Sub : **TENDER ENQUIRY FOR MECHANICAL TOOLS AND COMPONENTS**

Sir,

I / We have read and examined the relating to above mentioned work and have read the Annexure I and II.

I / We hereby tender for execution of the work referred to in the aforesaid documents upon the terms and conditions contained or referred to therein and other details at the rates contained in schedule and within the period of completion.

I / We agree to the tender acceptance for 180 days from the due date of submission tender and if I / we fail to keep the tender open as aforesaid of make any modifications in terms and conditions of the tender which are not acceptable to the management committee, the management committee, shall without prejudice to any other right or remedy, will be at liberty to forfeit the said earnest money absolutely.

A sum of Rs 20,000/- (Rupees twenty thousand only) is hereby forwarded as "Earnest Money Deposit" in the form of Demand Draft/Cheque.

Should our tender be accepted, I/We agree to abide by and fulfil all the terms and conditions of the aforesaid document.

If I / We fail to commence the execution of the work within 15 days, as stipulated in the Supply Order conditions, you shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

Signature of contractor.....

(Duly authorized to sign the tender)

Date.....

Address.....

**EVALUATION CRITERIA AND PRICE BED ISSUES**

1. **Evaluation Criteria.** The broad guidelines for evaluation of Bids/Quotations 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 Tender Form, both technically and commercially.
  - (b) Firm should be registered and should have undertaken similar projects in other central Govt / State Govt or any private company / organization/ Education Institutes. Proof / Certificates should be attached.
  - (c) The firm must have experience at least two years of establishing same Labs in minimum 3 schools / colleges in the country or more in the same field.
  - (d) The annual turnover of the company should not be less than 1 Crore. Balance sheet should be attached.
  
2. In respect of Two-Bid system, the technical Bids forwarded by the Bidders will be evaluated by the Customer with reference to the technical criteria and terms & conditions as mentioned in the Tender Form. The compliance of Technical Bids would be determined on the basis of the parameters specified in the Tender Form. The Commercial Bids of only those Bidders will be opened whose Technical Bids would clear the technical evaluation.
  - (a) The Lowest Bid will be decided upon the lowest price quoted by the particular Bidder as per the Commercial-Bid. All taxes and duties (including those for which exemption certificates are issued) quoted by the Bidders will be considered. The ultimate cost to the Customer would be the deciding factor for ranking of Bids.
  - (b) No document is required to be attached with the commercial bid. Unreasonably inflated or deflated bids may be avoided. Cutting/alteration made in the tender shall render it invalid. The Chairman ARMY PUBLIC SCHOOL (MIC&S), Ahilyanagar reserves the absolute right to reject the tender without assigning reason whatsoever it may be.
  - (c) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity including standard taxes applicable as on date issued by the Govt., the unit price will prevail and the total price will be corrected accordingly. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.
  - (d) The Lowest Acceptable Bid will be considered further for placement of contract after complete clarification and price negotiations as decided by the Customer. The contract will be awarded to the lowest bid after totalling of all jobs.
  - (e) The price negotiation will be carried out with the L1 bidder only.

**CHECKLIST FOR TEC FOR MECHANICAL TOOLS AND COMPONENTS**

Ser No	Item	Yes	No
1.	Whether the Firm is a Registered Firm?		
2.	No penalization of the firm has happened for non-performance / execution or completion of task of more than 10% of contract value (Undertaking needs to be provided in the letter head of the bidder)		
3.	The bidder must have minimum 02 (Two) years' experience of establishing same Labs in minimum 3 schools/colleges in the country in Govt Departments, Public Sector Undertakings, reputed corporate house, Autonomous body or Education Institutes etc. (Copy of supporting work order, completion certificate as applicable shall be furnished)		
4.	Annual Turnover of the firm should be not be less than 1 Crore (Balance sheet should be attached).		
5.	Copy of last three financial years ITRs		
6.	Copy of PAN Card		
7.	Copy of GSTIN registration letter		
8.	EMD of Rs 20,000/- in the form of demand draft/cheque valid for 45 days after the date of submission of bids		

**TECHNICAL SPECIFICATION FOR MECHANICAL TOOLS AND COMPONENTS**

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
1.	Weather Man	<ul style="list-style-type: none"> <li>• Model Size - 300 x 300 x 2000mm (Height can be adjusted)</li> <li>• Body Material - Wood, 3D Printing, metal tripod</li> <li>• Electronics - Various Sensor like MQ3, MQ4, MQ7, MQ135, BME280, BH1750, DHT11, Wifi, Dust Sensor, Solar Panel, Rain sensor, AeroBay control board to operate through mobile</li> <li>• Power - DC supply</li> </ul>	1			
2.	3D Printer SE	<ul style="list-style-type: none"> <li>• Printing Technology: FDM</li> <li>• Body Material: Metal, Aluminum, Fibre</li> <li>• Build Volume: 220*220* 250mm</li> <li>• Printing Speed: <math>\leq 250</math>mm/s *</li> <li>• Printing Accuracy: <math>\pm 0.1</math>mm</li> <li>• Nozzle Temperature: <math>\leq 300</math>°C</li> <li>• Build Surface: Flexible build plate</li> <li>• Levelling Mode: Hands-free auto levelling</li> <li>• File Transfer: USB drive, WiFi</li> <li>• Power Loss Recovery: Yes</li> <li>• Filament Runout Sensor: Yes</li> <li>• Rated Voltage: 100-120V~, 200-240V~, 50/60Hz</li> <li>• Supported Filaments: ABS, PLA, PETG, PET, TPU, PA, ABS, ASA, PC, PLA-CF, PA-CF, PET-CF</li> <li>• Slicing Software: Creality Print; compatible with Cura, Simplify3D, PrusaSlicer</li> </ul>	1			
3.	3D Pen	<ul style="list-style-type: none"> <li>• Status Indicator</li> <li>• Removable Nozzle</li> <li>• Ergonomic Design</li> <li>• One-key load/unload filament</li> <li>• LED display to adjust temperature and filament type</li> </ul>	8			

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
4.	Milling Machine	<ul style="list-style-type: none"> <li>• Bed Size - 240 x 190 x 310mm</li> <li>• Weight - 3kg</li> <li>• Base Size - 315 x 200 x 20mm</li> <li>• Input Voltage - 12v 5A 60W</li> <li>• X/Y/Z Travel - X-145mm, Y-35mm, Z-35mm</li> <li>• Motor Speed 12000rpm</li> <li>• Milling depth - 35mm</li> <li>• Collets - 1-6mm</li> <li>• Working Material - Wood, PCBs, Acrylic, Soft Metal</li> </ul>	1			
5.	AV-2RC 'Electronic RC Model'	<ul style="list-style-type: none"> <li>• Wingspan: 1000 mm Wing Type: Dihedral</li> <li>• Motor: 1000KV brushless motor ESC: 30A Electronic Speed Controller Propeller: 8x6</li> <li>• Servos: 4 metal gear servos (for precise control)</li> </ul>	1			
6.	Sky Surfer	<ul style="list-style-type: none"> <li>• V3 With A2212 2200KV 1400mm Wingspan</li> <li>• Battery: 3S Li-Po 12.6v 1800mAh 25C</li> <li>• Motor Size: Brushless 2212 2200kv</li> <li>• Speed Control: 30A</li> <li>• Propeller Size: 6 x 4E, 2-blade Wingspan: 1400mm</li> <li>• Material: Durable EPO Servos: 4 x 17g servo</li> </ul>	1			
7.	Delta RC Model (Assembled) Interceptor	<ul style="list-style-type: none"> <li>• Laser Cut Styrofoam Model</li> <li>• Delta Shape Wing type</li> <li>• Wing Span 750mm</li> <li>• Wing Designed in Airfoil shape</li> <li>• BLDC Motor used 1000kv</li> <li>• Metal Servo used for control surfaces 1pc</li> <li>• Propeller used 10 x 4.5</li> </ul>	1			
8.	Drone - Programmable	<ul style="list-style-type: none"> <li>• It has size of 16cm x 16cm from wing guard to other end.</li> <li>• It has charging time of 45mins and fly INme of 8+mins.</li> <li>• Total weight of 54 grams</li> <li>• Maximum range of 80 meter</li> <li>• It can be controlled through smartphone.</li> </ul>	1			

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
9.	Starter Kit Hurricane	<ul style="list-style-type: none"> <li>• Reusable, the model rocket can be flown again with fresh motor</li> <li>• No recovery mechanism included</li> <li>• Low power Model Rocket, uses Type C motor</li> <li>• Lift off Weight (without fuel): 85 g</li> <li>• Peak Altitude: 600 ft / 200 m</li> <li>• Launch pad with SS Tripod Legs &amp; core mount and Deflector plate</li> <li>• Ignition System with Aluminum housing, 15ft electric cord, 3.7v li-ion batteries</li> </ul>	1			
10.	Air Pressure Rocket Launcher	<ul style="list-style-type: none"> <li>• Material - CPVC body</li> <li>• CPVC Reducer</li> <li>• Ball Valve</li> <li>• Air Valve</li> <li>• Size - 600 x 525 x 350mm</li> <li>• Weight - 1kg</li> </ul>	2			
11.	Rover RC Model (Assembled)	<ul style="list-style-type: none"> <li>• Body Material - Wood</li> <li>• Weight - 1kg</li> <li>• Metal Servo 3pc</li> <li>• Motor 4pc</li> <li>• Wheel 6pc</li> <li>• Ultrasonic sensor 1pc</li> <li>• Size - 325 x 250 x 125mm</li> <li>• AeroBay control board to operate the machine.</li> </ul>	2			
12.	3DP Jet Engine	<ul style="list-style-type: none"> <li>• Body material - 3D Printing (PLA+)</li> <li>• Motor - 1000kv</li> <li>• ESC - 30A</li> <li>• Size - 275 x 165 x 210mm</li> <li>• Propeller - 145 x 145 x 24mm</li> <li>• Weight - 600gram</li> </ul>	1			
13.	Hydraulic Bridge	<ul style="list-style-type: none"> <li>• Body material - Wood</li> <li>• Weight - 1.2kg</li> <li>• Water is used for hydraulic motion</li> <li>• Piston 4pc</li> <li>• Size - 775 x 150 x 285mm</li> </ul>	1			
14.	Solar System Orrery Model	<ul style="list-style-type: none"> <li>• Body Material - Wood, Copper &amp; 3D Printing</li> <li>• Weight - 1.5kg</li> <li>• Motor 1pc</li> <li>• Orrery Model with all gears for adjacent movement AeroBay control board to operate the machine.</li> </ul>	1			

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
15.	Transmitter Futaba T6K with 3106 Rx	<ul style="list-style-type: none"> <li>• T-FHSS AIR/S-FHSS 2.4 GHZ Multi Function 8-Channel Transmitter</li> <li>• Telemetry System Built-in Antenna</li> <li>• Unique ModelMemory System</li> <li>• Digital Trim</li> <li>• Lever Head Adjustment</li> <li>• Mixing Type Selection</li> <li>• Model Data Transfer Function</li> </ul>	1			
16.	Cordless Drill Kit	<ul style="list-style-type: none"> <li>• Battery Voltage- 12 Volt</li> <li>• Load Speed-3000 Rpm,</li> <li>• Chuck Size- 10MM</li> </ul>	1			
17.	Field Plastic Tool Box PTB16	Taparia PTB16	1			
18.	Junior -Saw	White Label- 6 inch	3			
19.	Combination Plier	Taparia 1621-8 210mm	3			
20.	Wire Stripping Plier	Taparia 150B - 6 inch	3			
21.	Long Nose Plier	Taparia 1420-6 165mm	3			
22.	Combination Spanner Set (12pc)	Taparia DEP-12 Pcs	1			
23.	Allen Key Set	Taparia KM9V	3			
24.	Screw Driver Set	Taparia C-812	3			
25.	Mini Screw Driver Set	Taparia BS-31	1			
26.	Hot Air Gun	Stanley SKH1800 (1800 Watt)	1			
27.	Hammer	Taparia 200gm	1			
28.	Soft Face Hammer	Taparia	1			
29.	Sanding file 12"	JK Files 12"	2			
30.	Sanding File 6"	JK Files 6"	2			
31.	Paper Cutter (Large)	Ikon - Stainless Steel with Blade	10			
32.	Paper Cutter (Small)	Natraj - 6 inch with Blade	10			
33.	Scissors	7.5 Inch Stainless Steel	5			
34.	Binder Clip 19mm	Infinity- 19mm	3			

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
35.	Binder Clip 25mm	Infinity- 25mm	3			
36.	Tweezer Set	White Label 6 Pcs- 6inch	2			
37.	Propeller Different Sizes	Diameter of 10 Inch & Pitch of 4.5 Inch	10			
38.	Vernier Callipers	Insize- 150MM	1			
39.	Weighing Machine upto 100kg weight	Beatxp	1			
40.	Weighing Machine upto 5 kg weight	Electronic - SF400	2			
41.	Directional Compass	White label	1			
42.	Measuring Tape (5m)	Stanley 5 Mtr	2			
43.	Measuring Tape (30m)	White Label	1			
44.	Steel Scale 12"	King- 12 inch	5			
45.	Steel Scale 24"	King- 24 inch	5			
46.	Set Square & Protector	Doms	10			
47.	Multi-Meter	Mastech MAS830	2			
48.	Stop Watch	Racer	1			
49.	Anemometer	UNI-T UT363	1			
50.	Soldering Machine with Wire	Siron-35 was	3			
51.	Soldering Helping Hand	Adjustable crocodile holding clamps, With two LED lighting	2			
52.	Glue Gun	Stanley	5			
53.	All in one Field Battery Charger	<ul style="list-style-type: none"> <li>• AC 100~240v or 12V DC input</li> <li>• Microprocessor controlled</li> <li>• Li-ion, LiPo, and LiFe capable</li> <li>• Input voltage monitoring. (Protects car batteries at the field)</li> <li>• Battery break-in and cycling feature</li> <li>• Data storage (Store up to 5 packs in memory)</li> <li>• Internal resistance checker to see pack health</li> <li>• Delta-peak sensitivity</li> <li>• Individual cell balancing</li> </ul>	2			

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
54.	Battery Capacity Checker	2.1" RC CellMeter 8	1			
55.	BLDC Motor (Basic)	<ul style="list-style-type: none"> <li>• Model : 2212</li> <li>• Motor KV (RPM/V) : 1400</li> <li>• Maximum Thrust (gm) : 500</li> <li>• Shaft Diameter (mm) : 6</li> <li>• Rated Voltage (V) : 7 ~ 12</li> <li>• Required ESC (A) : 30</li> </ul>	3			
56.	BLDC Motor (Standard)	<ul style="list-style-type: none"> <li>• Model : Ready to sky</li> <li>• Motor KV (RPM/V) : 920</li> <li>• Maximum Thrust (gm) : 500</li> <li>• Shaft Diameter (mm) : 6</li> <li>• Rated Voltage (V) : 7-12</li> <li>• Required ESC (A) : 30</li> </ul>	3			
57.	Electronic Speed Controller	<ul style="list-style-type: none"> <li>• Brushed/Brushless: BL</li> <li>• Cont./Peak Current: 30A/40A</li> <li>• Input: 2-3S LiPo</li> <li>• BEC Output: Linear mode: 5V,2A</li> <li>• Input Wires: Red-18AWG-100mm*1, Black-18AWG-100mm*1</li> <li>• Output Wires : Black-18AWG-75mm*3</li> </ul>	5			
58.	Servo Metal Gear	<ul style="list-style-type: none"> <li>• Model No. MG90S</li> <li>• Rotation (Degree): 360</li> <li>• Torque Rating (kg-cm): 1.8 to 2.2</li> <li>• Diameter of rotor (mm) 4.8</li> <li>• Operating Voltage (VDC): 4.8 ~ 6.6</li> <li>• Operating Speed @4.8V 0.10sec/60°</li> <li>• Operating Speed @6.6V 0.08sec/60°</li> </ul>	12			
59.	Servo Plastic Gear	<ul style="list-style-type: none"> <li>• Model No. SG90S</li> <li>• Rotation (Degree): 360</li> <li>• Torque Rating (kg-cm): 1.8 to 2.2</li> <li>• Diameter of rotor (mm) 4.8</li> <li>• Operating Voltage (VDC): 4.8~6.6</li> <li>• Operating Speed @4.8V 0.10sec/60°</li> <li>• Operating Speed @6.6V 0.08sec/60°</li> </ul>	6			
60.	Simulator Cable	It extracts the message signal from the transmitted carrier signal. It reconstructs actual signals using output transducers	2			
61.	Trainer Cable	You can use this trainer cord when connecting two transmitter with a square "micro" trainer jack.	1			

Ser No	Nomenclature	Specification	Qty	Make Model	Compliance (Yes / No)	In case of noncompliance, deviation to specified in unambiguous terms
62.	Banana Plug Cable	4.0mm to XT60, XT30, T Plug	3			
63.	Bullet Connector	2mm Gold Connector Pair	10			
64.	Robotics Activity Kit	<ul style="list-style-type: none"> <li>• Arduino-Uno,</li> <li>• HC-SR-04,</li> <li>• HC-05,</li> <li>• Ir sensor,</li> <li>• Ldr Sensor,</li> <li>• Acrylic Chassis,</li> <li>• L293d Module,</li> <li>• Jumper wire,</li> <li>• Servo Motor,</li> <li>• Wheel-4</li> </ul>	3			
65.	AV-1RC 'RC Model (Balsa Wood Kit)' Daffy Duck	<ul style="list-style-type: none"> <li>• Balsa Kit to make straight wing model</li> <li>• Wing size 1000mm</li> <li>• Covering vinyl included</li> </ul>	2			

**COMMERCIAL BID**  
**MECHANICAL TOOLS AND COMPONENTS**

Ser No	Nomenclature	Qty	Make & Model	CST	Rate	Total Cost
01.	Mechanical Tools and Components as per Technical Specification for Skill Lab (Annexure - VI)	01				
Total						

Auth Signatory of Firm with Rubber Stamp