ARMY PUBLIC SCHOOL, SUKNA

CALLING OF QUOTATIONS FOR ATL LAB EQUIPMENTS

1.   Quotations / tenders are invited from the authorized vendors / dealers for the Lab items of ATL of Army Public School, Sukna. List of items required is attached as **Appx-A** and also available in the school website www.apssukna.com.

2.   Interested / Authorized Vendors / Dealers are requested to drop their quotations / tender in the quotation box of this school along with tender fee of **Rs 200/-** (non refundable) in the form of Demand Draft in favor of Army Public School Sukna payable at Sukna.

3.   No Chinese product to be offered by the vendor.

4.   Therefore, interested / Authorized vendors / Dealers are requested to drop their quotations duly sealed/packed in the Tender Box of APS, Sukna latest by 1400 hrs on or before 20 Aug 2025. Tenders will be opened at 11 AM on 21 Aug 2025.

Sd/- x x x x x x x x x x x x x
Principal
Date: 07 Aug 2025

Army Public School, Sukna

1.	Station HQ Sukna Notice Board	-	For vide publication please.
2.	Mr NP Todi	-	For publication at school website
3.	School Notice Board		

Appx- A

S.NO	Name	Specification	Quantity
1	3D Printer	Lab A1 Combo, A1 3D Printer with AMS lite, Support Multi-Color 3D Printing, High Speed & Precision, Full-Auto Calibration & Active Flow Rate Compensation, ≤48 dB Quiet FDM 3D Printers	1
2	Filament	3D Printing Filament – Improved Formula for Enhanced Strength, Eco-Friendly, Compatible with Most FDM 3D Printers (5 different colour)	5
3	Raspberry Pi 3 Model B+	RASPBERRY PI 3 MODEL B+, equivalent or better Accessories - MicroSD card - 32 GB, USB 3.0 cable (1 meter), HDMI to VGA - 1 meter, HDMI to VGA adapter, Case shell enclosure	1
4	RASPBERRY PI display	3.5 touch Screen LCD	1

S.NO	Name	Specification	Quantity
5	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, compatible USB cable (length - 6 inch or more)	5
6	Arduino Nano 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)Analog Input Pins : 8 Accessories : Compatible USB cable (length -6 inch or more)	5
7	Raspberry Pi 3 Model B+	RASPBERRY PI 3 MODEL B+, equivalent or better Accessories - MicroSD card - 32 GB, USB 3.0 cable (1 meter), HDMI to VGA - 1 meter, HDMI to VGA adapter, Case shell enclosure	2
8	16x2 LCD display	Dot matrix LCD display. 16 characters X 2 lines. I2C	5
9	Battery	9V 250 to 250 mAh rechargeable battery with 2 chargers. Equivalent or better	3
10	Bluetooth module	HC 05 Bluetooth module. Voltage Rating: 5 V	10
11	Laser Diode Emitter	650 nm 5mW Mini Laser Dot Diode Module	10
12	JoyStick	2-axis joystick with push button function	10
13	Active Buzzer	Small 5 volt	20
14	Active Buzzer	Big 5 volt	20
15	Motor driver Module	L293D	10
16	DC Plastic Gear motor with wheel	12V, 150RPM, Side Shaft BO (Battery operation) Motor	20
17	Node MCU	ESP 8266, I2C, 1 wire, plug and play	6
18	Hook-up Wires	Red & Black set 100 Meters each	2
19	RGB LEDs	Regular 5mm 3-5 volt Range	400
20	LEDs (Red)	Regular 5mm 3-5 volt Range	500
21	LEDs (Green)	Regular 5mm 3-5 volt Range	500
22	LEDs (Blue)	Regular 5mm 3-5 volt Range	500
23	LEDs (Yellow)	Regular 5mm 3-5 volt Range	500
24	LEDs (White)	Regular 5mm 3-5 volt Range	500
25	Triple Axis Magnetometer	3-Axis Magneto resistive Sensors	5
		I2C Digital Interface	
		Integrated 12-bit ADC	
		Range of -8 to +8 Gauss	
		160 Hz Maximum o/p rate	

S.NO	Name	Specification	Quantity
26	Humidity Sensor	Operating range:	5
		20 – 95 % RH	
		Temperature: 0 - 60 Celsius	
		Power supply:	
		1.5V AC (Max sine)	
		Operating frequency:	
		500Hz - 2kHz	
27	MQ Series	MQ - 2 Smoke Detection	3
		MQ-3 Alcohol - Ethanol Sensor	3
		MQ-4 Methane Natural Gas Sensor	3
		MQ-5 Methane Liquified Gas Sensor	3
		MQ-7 High Sensitivity CO Carbon Monoxide Sensor Detector	3
		MQ-8 Hydrogen Gas Sensor	3
		MQ-135 Air Quality Sensor	3
		Working Voltage - DC 5V	
28	Ultrasonic Sensor Module HC-SR-04 or compatible	Working current - 15 mA	20
		Working Frequency - 40 Hz	
		Range - 1 cm to 4 m	
		Effectual Angle - <15°	
		Measuring Angle - 30°	
		Resolution - 0.3 cm	
		3-axis sensing	
29	Triple Axis accelerometer-	Small, low profile package	10
		4 mm x 4 mm x 1.45 mm LFCSP	
		Low Power: 350 µA (typical)	
		Single-supply operation: 1.8 V to 3.6 V	
		Temperature stability	
		High digital pulse when motion detected	
30	PIR Motion Detector Module	Low digital pulse when idle /no motion detected	10
		Sensitivity range (up to 6 m)	
		Power supply: 5V – 12V	
		Pulse Rate Sensor Finger Based (finger or earlobe) Working voltage 3-5V	
31	Pulse Rate Heart Sensor	5V 10A - 2 Channel Relay Module. Compatible with Arduino.	4
32	Relay Module (Single Channel)	Large Electret capsule sound module	10
33	IR Sensors Array module for Line Following	Operating Voltage: 5V	5

S.NO	Name	Specification	Quantity
34	Servo Motor Tester	CCPM 3 channel Servo Tester	5
35	Hacksaw blades	Size: 6 inches	10
36	Mini Hacksaw blades	Size: 12 inches	10
37	Glue Sticks (per pc)	11 mm x 200mm Hot Melt Glue Stick	10
38	Cable Tie	Small Cable Tie Pack - Pack of 100	45
		Medium Cable Tie Pack - Pack of 100	60
39	Electric Wires	20 meters each	12
40		MQ 135 Air Quality/Gas Detector Sensor Module For Arduino	10
41	Rabery Pi	Pico	3
42	Drone Equipments	ESP32-DEV KIT ESP32 38Pin Development Board WiFi+Bluetooth Ultra-Low Power Consumption Dual Core	5
		MPU6050 MPU6050 Gyroscope/Accelerometer Sensor	5
		FLY SKY FSi6 transmister and receiver	2
		Flysky FS2A 6CH Receiver	4
		DYS CF-2822-14 1200kV Brushless Outrunner Motor	4
		Dys D3536-5 1450KV Bldc Motor	10
		ReadytoSky 30A 2-6S ESC	5
		SimonK red 30A BLDC ESC	5
		Propellers 8045(8X4.5) -1pair	5
		Propellers 9443(9X4.3) -1pair	5
		Propellers 1045(10X4.5)	5
43	Battery Equipments	I MAX B6AC SMART BALANCE CHARGER	2
		2200 MAH	3
44	Servo Motor	MG 90S DIGITAL SERVO	3
		MG 995 METAL GEAR SERVO	5
45	KIT	RAMPS 1.4 3D PRINTER CONTROLLER+MEGA 2560 WITH CABLE COMPATIBLE WITH ARDIUNO+5PCS A4988 DRIVER WITH HEAT SINK KIT	2
46	AIR BLOWER	500 WATT	1
47	IOT KIT		1
48	IOT KIT MAKING PART		1
49	Mechanical Part with Controller		1
50	AI kit		1
51	Machine Learning Kit		1