



ARMY PUBLIC SCHOOL SUNJUWAN

TELE : 0191- 2467879

CALL FOR QUOTATIONS

1. Army Public School Sunjuwan invites quotations for :-
 - (a) Purchase of LED TV (55 inch).
 - (b) Floor Tiling work of TT Room area 500 Sq Ft (2' x 2').
 - (c) Footpath Cemented Tiling work area 500 Sq Ft (1' x 1').
 - (d) Purchase of Equipments for Artificial Intelligence(AI) Lab, Robotics Lab & 03 x Laptops.
 - (e) Purchase of Furniture for Artificial Intelligence Lab.
 - (f) Office wall paneling (440 Sq Ft)
 - (g) Pre-fabricated structure of size 20' x 25' x 5' Verandah.
 - (h) Extension of Office Room and Replacement of Cemented ceiling Sheets with Colour Coated Tin Sheets of Office Barrack.
2. Vendors may visit the site of work in the school campus for proper estimate before forwarding the quotations. For detailed specification and type of work please visit school official web site i.e **www.apssunjuwan.com**
3. Please forward your quotations for the above items and drop in quotation box of the School installed near to main gate latest by **30 Dec 2021**.
Quotations should be in separate envelopes, properly sealed and marked as
“**Quotation for _____**”.
4. Contact tele No : 0191-2467879

Sd/-

Principal

ADVERTISEMENT MATERIAL FOR PURCHASE OF EQUIPMENTS FOR ARTIFICIAL INTELLIGENCE (AI) LAB, ROBOTICS LAB & 03 X LAPTOPS
ARMY PUBLIC SCHOOL, SUNJUWAN

Ser No	Product	Contents	Description	Qty
<u>ARTIFICIAL INTELLIGENCE (AI) LAB, ROBOTICS LAB</u>				
1.	Hands-On A.I. Learning Kit	Raspberry Pi 4 Model B/8GB	Multipurpose DIY Kit for Face Recognition, Video Recognition, Object Detection, Voice Recognition and IoT projects. Recommended for 13 to 18 Years.	05
		Class 10 128 GB Memory Card		
		Raspberry Pi Case		
		Mini HDMI to HDMI Cable		
		OTG Cable		
		5V3A Power Adapter with EU plug		
		Camera Cable		
		Nano wireless USB Adapter		
		Heat Sink		
		Set of GPIO Header Pins		
		Screwdriver		
		Set of Screws & Nuts		
		5 MP Camera Module		
		Night Vision Camera 5MP HD WebCam		
		PoE + HAT		
		TV HAT		
Sense HAT				
7" Touch Display				
37 Sensor Kit				
Metal Kit Box				
2.	MIKO	-	Recommended for ge 5 to 12 years to teach Artificial Intelligence. MIKO can recognize person, name, mood, see hear and much more	04
3.	Content & Curriculum	-	Curate content beyond CBSE A.I. Curriculum focusing on IoT, industry 4.0, Space Exploration, UAV, UGV, Robotics, A.I Systems. Engineering A.I, one Year Remote Support, Software like : Tensorflow, Keras, Django, Arduino, Block Python, Scratch studio	01
4.	Robotics Starter Kit (Beginner Level)	Arduino Uno	Programmable Microcontroller, Atmega 328P AvrFamily, IC Form	01
		Arduino USB Cable	USB A to B	01
		Rechargeable battery	Different terminal for 9V-12 V with Female charger hook	01
		Rechargeable battery charger	9-12 V Battery charger	1
		Jumper cable	Male-Male	10
		Jumper cable	Male to Female	10
		Bread board	400 pin	01
		Battery clip with DC Jack	9-12V Battery clip with dc jack	01
		Soldering iron	Stanley 40 watt	01
		Soldering Element	Flux, wire	01
		RGB Led	Regular 5mm, 3-5V	10
		LED	Red, Green, Blue, 10 each	30

		Big Buzzer	Operating Voltage will be 5	01
		Mix Resistor Box	Different value	01
		Mix Ceramic Capacitor Box	Different value	01
		Mix Electrolyte Capacitor Box	Different value	01
		Ultra Sonic sensor	HC-SR-04	01
		IR Obstacle Sensor Module	LM393	01
		4 wheel robotics Kit	Acrylic chesis, 4 motor, 4 Wheels, Battery Holder, Nuts and Bolts	01
		Motor Driver	L293D Motor Driver module	02
		7 segment led display	LED 4 digit Display	01
		Vibrating motor	Micro	01
		IR motion sensor	High Digital pulse	01
03 X LAPTOP				
5.	03 X Laptops	Contents and curriculum – also include software Tensorflow Keras DJango Arduino Block Python Scratch studio	Generation – 10 Processor – Intel core 15 Graphic card Form Factor – USFF RAM-8GB DDR4 Hard Disk – 1 TB LED Monitor with HDMI and in built speaker Bluetooth V4.2 Webcam – HD full Headphones VPU (Vision processing unit) Anti Virus – quick heal full security SSD	03

**SPECIFICATION FOR PRE-FABRICATED STRUCTURE OF
SIZE 20' x 25' x 5' VERANDAH**

Ser No	Description of Items	Remarks
1.	Earth work in Foundation and Tranches including disposal of Surface Earth and dressing.	
2.	Providing and laying cement (concrete 1 : 4 : 8 (1 Cement : 4 Sand 8 graded stone agg 40mm)	
3.	Providing and laying cement concrete 1 : 3 : 6 for flooring and also level the floor.	
4.	Providing and fixing of water proof heat proof 50mm Puff Pannel fitted with Screw on frame.	
5.	For Structure of Frame providing and fixing 66 x 33 and 96 x 48 heavy pipes welded properly.	
6.	Providing and fixing colour coated Tin sheets on top drilled properly.	
7.	Providing fixing of Floor Tiles 2' x 2' make tiles grouting properly.	
8.	Providing and Fixing of Ceiling Tiles everest make 2' x 2' water proof 4mm	
9.	Providing and Fixing of 1 x Door & 4 x Alluminium windows.	
10.	All electrical work wiring Anchor make wire Anchor make switches and Sockets, 08 for (Computer points), 06 x Fans, 08 x ceiling light points 12 watt each.	
11.	Paint and Primer Asian make distemperring properly with Asian make distemper.	
12.	Plinth Protection all outer Area of building.	