#### Part - I

### Name of Authority Inviting Tender: STATE PROJECT DIRECTOR, SAMAGRA SHIKSHA, MIZORAM

- 1. Name of Work: Supply of Equipment for Atal Tinkering Lab with Installation and Training
- 2. Completion Period: Within 3 (Three) month from issue of work order
- 3. Date of issue of Inviting Tender: 22nd July, 2024
- 4. Deadline for receiving Bids: 22nd August, 2024 up to 12:30 PM
- 5. Time & Date for Opening Technical Bids: 22nd August, 2024 at 1:00 PM
- 6. Time & Date for Opening Financial Bids: \_\_\_\_August, 2024 at 3:00 PM
- 7. Place of Opening Bids: Office of the State Project Director, Samagra Shiksha, Mizoram
- 8. Last date of Bid validity: Ninety days from opening of Technical Bids
- 9. Officer inviting bids: State Project Director, Samagra Shiksha, Mizoram.



## Part - II

#### NOTICE INVITING TENDER

### Invitation for Supply Equipment for Atal Tinkering Lab with Installation and Training

- 1. The State Project Director, Samagra Shiksha, Mizoram issues "Notice Inviting Tender" from a reliable Company/Agent/Distributor/Dealer dealing with Lab Equipment for Supply of Laboratory Equipment for Atal Tinkering Lab with Installation and Training.
- 2. Detail can be obtained from the Office of the State Project Director, Samagra Shiksha, Mizoram, Top Floor, School Education Complex Building, Mc Donald Hill, Zarkawt, Aizawl (Tel 0389 2306630, Tele/Fax 0389 2340377) or may be downloaded from www. Samagra.mizoram.gov.in on payment of Rs. 500/- per document (non refundable) on working days from July, 2024 upto 12:30 PM of 22 August, 2024 during office hours.

(LALSANGLIANA)
State Project Director
Samagra Shiksha, Mizoram

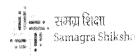
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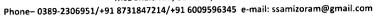
Part - III

## NOTICE INVITING TENDER

1. The State Project Director, Samagra Shiksha, Mizoram issues "Notice Inviting Tender" from a reliable Company/Agent/Distributor/Dealer dealing with Lab Equipment for Supply of Lab Equipment with Installation and Training for Atal Tinkering Lab in 10 Schools under Aspirational District, Mamit. Detail specification of per school requirement is as given in the following pages:



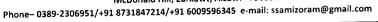






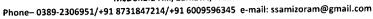
S. No.	Category	Name	ment , Robotics, Internet of Things And Sensors  Specification	Quantity	Туре
5. NO.	Category	Name	ATmega328P - 8 bit AVR family		
			microcontroller, equivalent or better. Operating		
1	Flacture in Davidonment	Arduino Uno or equivalent	Voltage : 5v Digital 1/0 Pins: 14 (of which 6 provide	300	Consumable
	Electronics Development	Arduno ono or equivalent	PWM output), PWM Digital 1/0 Pins : 6		Consumable  Consumable
			Accessories : Case shell enclosure, compatible USB		
			cable (length - 6 inch or more)		
			ATmega328P - 8 bit AVR family		
			microcontroller, equivalent or better. Operating		
2	Electronics Development	Arduino Nano or equivalent	Voltage: 5V, Digital 1/0 Pins: 14 (of which 6	100	Consumable
-			provide PWM output), Analog Input Pins: 8,		
	1		Accessories : Compatible USB cable { length -6 inch or more)		
			ATmega 2560P - 8 bit AVR family microcontroller,		
			equivalent or better . Operating Voltage: 5V , Digital		
			1/0 Pins : 54 (of which 6		
3	Electronics Development	Arduino Mega or equivalent	provide PWM output) , Analog Input Pins: 16.	100	Consumable
,	Electromes Development	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Accessories : Case shell		
			enclosure, Compatible USB cable ( length -6 inch or		
		•	more)		
		Danaharan Di	Accessories - MicroSD card USB 3.0 cable Case shell	50	Consumable
4	Electronics Development	Raspberry PI	enclosure		
	Claster in Davidonment	Breadboards & Mini	Solderless 400 pin breadboard	300	Consumable
5	Electronics Development	Breadboard	Solderiess 400 pm Steadagesta		<del> </del>
6	Electronics Development	Breadboards & Mini	Solderless 800 pin breadboard	200	Consumable
6	Electronics Development	Breadboard			
7	Electronics Development	Breadboards & Mini	Self-Adhesive Proto Shield	200	Consumable
	Electronies Development	Breadboard	500 4 G		<del>                                     </del>
8	Electronics Development	General Purpose solderable	FR2 A Grade Material (140 x	300	Consumable
		Board	90 mm)		· <del> </del>
9	Electronics Development	General Purpose solderable	FR2 A Grade Material (80 x 55 mm)	300	Consumable
		Board	Female Berg St rip , 2.54mm		
10	Electronics Development	Berg Strips	pitch, 40 pin single ro w, breakable pin	300	Consumable
	ļ		Male Berg Strip , 2.54mm pitch, 40 pin single row,		6
11	Electronics Development	Berg Strips	breakable pin	300	Consumable
				200	Consumable
12	Electronics Development	16x2 LCD display	Dot matrix LCD display. 16 characters X 2 lines. 12C	200	Consumable
				100	Consumable
13	Electronics Development	USB Cables	USB Cable Set (A to B, 12 inch or more)	100	Consumable
				100	Consumable
14	Electronics Development	USB Cables	USB Cable Set (Mini, 12 inches or more)	100	Consumable
		<del></del>	9-12V 2000 to 2500 mAh		
			rechargeable battery with 2 chargers. Equivalent or	100	Consumabl
15	Electronics Development	Battery	better	100	Consumani
			One kit contains - 30 carbon film resistors of 20		
			different resistance values each assorted, packaged		ļ
			together		
		Resistor Kit	and labelled . Wattage: 0.125W $$ to $$ 1W $$ , Values : $$ 0 $\Omega$	200	Consumable
16	Electronics Development	Resistor Kit	$1.5\Omega$ , $4.7\Omega$ , $10\Omega$ ,		
			$47\Omega$ , $100\Omega$ , $220\Omega$ , $330\Omega$ , $470\Omega$ ,		
		ĺ	$680\Omega$ , $lk\Omega$ , $2.2k\Omega$ , $3.3k\Omega$ ,		
			4.7kΩ , $10$ kΩ , $22$ kΩ , $47$ kΩ , $100$ kΩ , $330$ kΩ , $1$ ΜΩ		<del></del>
			One kit contains - 20 electrolytic capacitors of 10		
			different capacitance values		
17	Electronics Development	Capacitor Kit	each. Assorted kit packaged	200	Consumabl
		· ·	together and labelled.Values: IOpF, 22pF, IOOpF,		
			InF, IOnF, I OOnF, IμF, ΙΟμF,		
10	Electronics Dovoles-mont	Linear Voltage Regulator	Ι ΟΟμF, ΙΟΟΟμF   7805, 7812,7809	300	Consumabl
18	Electronics Development		DC12V 3W Submersible Water		
19	Electronics Development	Water Pump module	Pump	40	Consuma bl
	Electronics	Piezoelectric	Normal Copper based 4 cm	300	
20	Development	Plate	Diameter approx .	300	Consumabl
	Development		Max7219 Dot LED Matrix Module. MCU Control LED	100	C
21	Electronics Development	8*8 LED Matrix Module	Display Module	100	Consumabl
22	Electronics Development	Bluetooth module	HC 05 Bluetooth module, Voltage Rating: 5 V	150	Consumabl
			LED 4-Digit Display Module, Voltage Rating: 2.4V to	200	Consumabl
23	Electronics Development	7 Segment Led Display	5.5V. 4-Pin interface:Vee, Gnd, Data, Clock	200	Consumati
			Sim900 GPRS Transfer Board Micro Sim Gsm Core	40	Consumabl
24	Electronics Development	GSM	TTL Port Module for Arduino	1 70	Longuinable







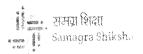
25	Electronics Development	CDS	GY-NE06MV2 new GPS	40	Consumable
			modu le 650 nm 5mW Mini Laser Dot Diode Module	100	Consumable
<del></del> ,	Electronics Development	Laser Diode Emitter	5mm/12mm, Photosensitive		Consumable
27 I	Electronics Development	LDR Module	LOR Light Sensor Module	300	Consumable
	Electronics		Universal 16 Key Switch	100	Consumable
28	Development	Keypad	Keypad		
	Electronics	Joystick	2-axis joystick with push button function	100	Consumable
29	Development			400	Consumable
30	Electronics Development	Active Buzzer	Small 5 volt	400	Consumable
	Electronics Development	Active Buzzer	Big 5 volt L293D	100	Consumable
32	Electronics Development	Motor driver Module Sound Playback	ISD1820 voice record ing	100	Consumable
33	Electronics Development	Module	module or equivalent	100	Consumable
		DC Plastic Gear motor with	12V, 150RPM, Side Shaft BO (Battery operation)	400	Consumable
34	Electronics Development	wheel	Motor		
35	Electronics Development	Node MCU	ESP 8266 12C, 1 wire, plug and play	60	Consumable
		WeMos D1 R2	WeMos D1 R2 with WiFi ESP	60	Consumable
36	Electronics Development		8266, Operating Volt age: 5V	200	Consumable
37	Electronics Development	Vibrating Motor	Weight: 10 Grams, Operating Voltage: 1.5 to 3V		
38	Electronics Development	Alligator	Multi-Colour Alligator Connectors - 12 inch	2000	Consumable
		Connectors Battery clips		400	Consumable
39	Electronics Development	with DC Jack	9-volt battery clips with DC Jack	400	
40	Electronics Development	Hook-up Wires	Red & Black set 100 Meters each	40	Consumable
40	Electronics Development	Jumper Cable	Male-Male	10000	Consumable
42	Electronics Development	Jumper Cable	Male-Female	6000	Consumable
43	Electronics Development	Jumper Cable	Female-Female	4000	Consumable
44	Electronics Development	RGB LEDs	Regular 5mm 3-5 volt Range	4000	Consumabl
45	Electronics Development	LEDs (Red)	Regular 5mm 3-5 volt Range	10000	Consumabl
46	Electronics Development	LEDs (Green)	Regular 5mm 3-5 volt Range	10000	Consumabl
47	Electronics Development	LEDs (Blue)	Regular 5mm 3-5 volt Range	10000	Consumabl
48	Electronics Development	LEDs (Yellow)	Regular 5mm 3-5 volt Range	10000	Consumable
49	Electronics Development	LEDs (White)	Regular 5mm 3-5 volt Range	300	Consumab
50	Electronics Development	Timer IC- LM 555	LM 555 Timer IC. Voltage range - 4.5V to 16V  8 bit microcontroller Individual IC (DIP).Voltage	300	Consumati
51	Electronics Development	Atmega16u2	range: 2.7V to 5.5V. Operational Range: -40°C to +80°c	100	Consumab
52	Electronics Development	Diodes and Transistors Kit	One Kit Contains - 25 Assorted Basic Diodes of 4 different types each. Types: NPN Transistor - 2N3904, BC547 PNP Transistor - 2N3906, BC557 Silicon Diode - 1N4148, Power Diode - 1N4004/4001. Equivalent or better. Wattage: IW, Current rating: IA. Assorted kit packaged together and labelled.	30	Consumabl
53	Electronics Development	Button Switch Set	One Kit Contains - 100 buttons of different types. Types: Push, toggle, rotary, selector and slide switch. Assorted kit packaged together and labelled.	30	Consumab
54	Electronics Development	Capacitative touch Module	MPR 121 with I2C. Voltage Range: 2.5V to 3.6V DC.	200	Consumab
55	Electronics Development	Capacitative Touch Switch Module	Digital Capacitive touch switch module -TTP223B Voltage Range: 2V to 5V DC.	100	Consumat
		IR Sensors, Obstacle avoider	LM393 Detection distance: 2 - 30 cm, Detection	200	Consumat
56	Internet of Things & Sensors	sensor module	angle: 30 - 40°		<del> </del>
57	Internet of Things & Sensors	Triple Axis Magnetometer	3-Axis Magneto resistive Sensors I2C Digital Interface Integrated 12-bit ADC Range of -8 to +8 Gauss 160 Hz Maximum o/p rate	100	Consumal
58	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	100	Consuma
59	Internet of Things & Sensors	M Q Series	MQ - 2 Smoke Detection	30	Consumal
60	Internet of Things & Sensors	M Q Series	MQ-3 Alcohol - Ethanol Sensor	30	Consuma
61	Internet of Things & Sensors	M Q Series	M Q-4 Methane Natural Gas Sensor	30	Consuma
62	Internet of Things & Sensors	M Q Series	MQ-5 Methane Liquified Gas Sensor	30	Consuma
63	Internet of Things & Sensors	M Q Series	MQ-6 Liquified Petroleum Gas Sensor	30	Consuma
64	Internet of Things & Sensors	M Q Series	MQ-7 High Sensitivity CO Carbon Monoxide Sensor Detector	30	Consuma
65	Internet of Things & Sensors	M Q Series	MQ-8 Hydrogen Gas Sensor	30	Consuma
	Internet of Things & Sensors	M Q Series	MQ-135 Air Quality Sensor	30	Consuma





67	Internet of Things & Sensors	IR transmitter/receiver	TSOP 1738 Switching rate: 38 KHz Voltage Rating: 5V	100	Consumable
68	Internet of Things & Sensors	SR-04 or compatible	Working Voltage - DC 5V Working current - 15 mA Working Frequency - 40 Hz Range - 1 cm to 4 m Effectual Angle - <15° M easuring Angle - 30° Resolution - 0.3 cm	400	Consumable
69	Internet of Things & Sensors	Triple Axis accelerometer-	3-axis sensing Small, low profile package 4 mm x 4 mm x 1.45 mm  LFCSP Low Powe r: 350 μA (typical)Single- supp ly operation: 1.8 V to 3.6 V Temperature stability	100	Consumable
70	Internet of Things & Sensors	PIR Motion Detector Module	High digital pulse when motion detected Low digital pulse when idle /no motion detected Sensitivity range (up to 6 m), Power supp ly: SV - 12V	200	Consumable
71	Internet of Things & Sensors	Pulse Rate Heart Sensor	Pulse Rate Sen sor Finger Based (finger or earlobe) Workin g voltage 3-SV	40	Consumable
72	Internet of Things & Sensors	Relay Module	SV IOA - 2 Channe I Relay  Module. Compatible with Arduino .	200	Consumable
73	Internet of Things & Sensors	Relay Module	SV IOA - 1 Channel Relay Module . Compatible with Arduino	200	Consumable
74	Internet of Things & Sensors	Big Sound microphone module	Large Electret capsule sound module	100	Consumable
75	Internet of Things & Sensors	Big Sound microphone mod ule	Large Electret capsule sound module	100	Consumable
76	Internet of Things & Sensors	Soil Moisture Sensor module	FC-28 with LM293 comparat or Operating Voltage : 3.3V t o SV.	60	Consumable
77	Internet of Things & Sensors	Touch Sensor	Capacitive Touch Sensor Module . TTP22X series. Voltage Range: 2.4V to 5.SV	60	Consumable
78	Internet of Things & Sensors	Metal Touch Sensor Module	KY-036 or equivalent metal touch sensor module	60	Consumable
79	Internet of Things & Sensors	Rain Drop Sensor	Rain Sens it ive, Rain Drop Detection Sensor M odule. Voltage Range: 3.3V to 5.SV. Size: 5m m X 40mm or equivalent	60	Consumable
80	Internet of Things & Sensors	Flex Sensor	Flex Sensor . Size - 2.2 Inches	60	Consumable
81	Internet of Things & Sensors	Temperature Sensor	LM35 Fu il range tempe rature sensor. Voltage Rang e: 4V to 30V . Er r or: ±0.5°C	60	Consumabl
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module	DHT 11 Voltage Range: 3V to SV	400	Consumabl
83	Internet of Things & Sensors	Force Pressure Sensor	Force sensitive resistor with a square , 1.75xl.5" sensing area	40	Consumabl
84	Internet of Things & Sensors	Colour Recognit ion Sensor	TCS3200 Colour Re cognit ion Sensor	40	Consumabl
85	Internet of Things & Sensors	Water Flow Sensor	Arduino Compatible Water flow sensor . 5V DC In put.	40	Consumabl
86	Internet of Things & Sensors	Sound Sensor	Sound Sensor Module, Microphones module	100	Consumab
87	Internet of Things & Sensors	IR Sensors Array module for Line Following	8 IR Sensors Array module for Line Following Operating Voltage: 5V	100	Consumab
88	Internet of Things & Sensors	Power Bank	10000 mAh 5-volt Power Bank	50	Consumab
89	Internet of Things & Sensors	RFID Reader - Tags	Current :13-26mA / DC 3.3V Idle Current :10-13mA Sleep Current<80uA Peak Current<30mA Operating Fr equency: 13.56MHz<30mA Read range between 20 cm to lm	100	Consumab
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK	Frequency Range: 433.92/315 MHz Supply Voltage: 3 - 6 V Output : 4 - 16 Dbm Low power consumption Easy application	100	Consumable
91	Robotics	Stepper motor with Driver board	28BYJ-48 ULN2003 5V Stepper Motor+ ULN2003 Driver Board	100	Consumab
92	Robotics	DC motor	12V DC Gear 150 RPM	200	Consumab
93	Robotics	Servo motors	Position Servo Angle based Metal Gear	100	Consumab
94	Robotics	Servo motors	Small Servo Metal Gear Servo 360	100 100	Consumati
95	Robotics	Servo motors Servo motors	Continuous Metal Gear Servo 360 Small Servo Plastic Gear	200	Consumab
96 97	Robotics Robotics	150 RPM BO Motor	150 RPM BO Motor	100	Consumat
98	Robotics	L298P Motor Driver	L298P Motor Driver Shield or relative Driver Shield	100	Consumat
99	Robotics	Servo Motor Tester	CCPM 3 channel Servo Test er	40	Consumat
100	DIY Kit	Robotics DIV Kit	Robotics DIV kit with Plastic Parts programmable intelligent brain/ brick. Compatible with Kit no 109	30	Equipmer

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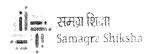
## No. D.11011/1/2024 - SPO (SS) OFFICE OF THE STATE PROJECT DIRECTOR SAMAGRA SHIKSHA, MIZORAM

(Mizoram School Education Mission Society) McDonald Hill, Zarkawt, Aizawl - 796007

Phone- 0389-2306951/+91 8731847214/+91 6009596345 e-mail: ssamizoram@gmail.com

101	Mechanical ( DIY Kit Construct		Metal mechanical construct ion kit compatible with electron ic equipment with Programmable Brain with following sensorsLight; Line Follower; Sound; PIR Motion; Gyroscope; Color; Temperatire and	50	Equipment
			Humidity SensorCompatible with Kit no 100 to enhance the learning.		
<del> </del>	STEM Drone Kit	Programmable Drone with Smart Self learning	10	Equipment	
102		Drone Kit	content		
103	Robotics DIY KIT	Aerospace Kit	Educational Purpose	10	Equipment
104	Robotics DIY KIT	Automobile Kit	Educational Purpose	10	Equipment
	Robotics DIY KIT	Bio-Medical Kit	Educational Purpose	10	Equipment
105	Robotics DIY KIT	Agri-Tech Kit	Educational Purpose	10	Equipment
106		Water/ Sanitat ion Kit	Educational Purpose	10	Equipment
107	Robotics DIY KIT	Bio Tech Kit	Educational Purpose	10	Equipment
108	Robotics DIY KIT		Motorized (Three types of Motor) Kit with Plastic		
109	Robotics DIY KIT	Other Potential STEM Application Kit	Parts that can be assembled and un assembled.	10	Equipment





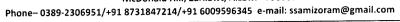
(Mizoram School Education Mission Society) McDonald Hill, Zarkawt, Aizawl - 796007

Phone- 0389-2306951/+91 8731847214/+91 6009596345 e-mail: ssamizoram@gmail.com

Package 2: Rapid Prototyping Tools					
S. No.	Category	Name	Description	Quantity	Туре
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)	Printer Type: FDM (Fused Deposition M odelling), Minimum Dimensions: 160mm *140mm *140mm Build Size or 4 litre Build Volum e., Nozzle: 0.3mm to 0.4mm nozzle diameter, slici ng software should be free or Open sou rce, LCD Screen UI that display print metrics, Heated Print bed. Material Compatibility - PLA, ABS, and derivatives of PLA, Nin jafl ex Quality Anti-bacterial/ fungal Cover. Repair Kit - with spare springs, screws, keys, tweezers, etc. •Automatic Aided Leveling Closed Body	10	Equipment
2	Rapid Prototyping Tools	Dedicated UPS/Power back up	Printer should not stop	10	Equipment
3	Rapid Prototyping Tools	Filament for 3D printer	Compatible 1000 Grams Filament in 5 different colours	50	Consumable
4	Rapid Prototyping Tools	Filament Storage Box	Compatible Filament storage box	50	Consumable
5	Rapid Prototyping Tools		20m spool of thick strings various colour	50	Consumable
6	Rapid Prototyping Tools		Rubber band	10PCK	Consumable
7	Rapid Prototyping Tools		Popsicle sticks	10PCK	Consumable
8	Rapid Prototyping Tools		Wood glue - 500 ml	20	Consumable









	1.		Electrical and Measurement tools	Quantity	Type
S. No.	Category	Name	Description Size: 12 inches	10	Equipment
1	Mechanical Tools	Hacksaw Frame	Size: 12 inches	100	Consumable
2	Mechanical Tools	Hacksaw blades		100	Equipment
3	Mechanical Tools	Mini Hacksaw Frame	Size: 6 inches	100	Consumable
4	Mechanical Tools	Mini Hacksaw blades		100	Equipment
5	Mechanical Tools		External Straight	10	Equipment
6	Mechanical Tools		Nose Circlip Plier	10	Equipment
7	Mechanical Tools		Long Nose Plier		
8	Mechanical Tools	Pliers: 4.5-inch size	Combination Mini Plier	10	Equipment
9	Mechanical Tools		Wire stripping pliers	10	Equipment
10	Mechanical Tools		Bent nose plier	10	Equipment
11	Mechanical Tools		Needle nose pliers	10	Equipment
12	Mechanical Tools	Tweezer Set	6 Pc Non-Magnetic Tweezer Set Size - 6 inches	20	Equipment
13	Mechanical Tools	Ball Pein Hammer	Ball Pein Hammer Weight - 0.75kg	10	Equipment
14	Mechanical Tools	Steel Shaft Claw Hammer	Claw Hammer Steel Shaft Weight - 0.75kg	10	Equipment
		C Clam a	Metal Clamp : 3-inch size	40	Equipment
15	Mechanical Tools	C-Clam p Allen Key Set	10 Piece Ring Imper ial Allen Hex key	10	Equipment
17	Mechanical Tools  Mechanical Tools	Drill Machine Set	Drill Machine with accessories Hammer/Screw and clockwise/ anticlockwise modes. Power: 500W Chuck capacity - 1 to 10 mm Drill Bit s - Masonry, M etal, Wood	10	Equipment
18	Mechanical Tools	Drilling Workstation	Drill Press, Drill Holder and Rotary Tool, Compatible with Drilling machine provided	10	Equipment
19	Mechanical Tools	Spanner Set	12-piece combination Spanner Set	10	Equipment
13	Wiconomicon Control		Rang e - 4 mm to 30 mm Table top vice	10	Equipment
20	Mechanical Tools  Mechanical Tools	Vice Normal Precision Screw Driver Set	6 Piece Precision Screw Driver Set Types: PHO, PHI, Flat head - 1.4mm, 2mm, 2.4mm, 3mm	20	Equipment
22	Mechanical Tools	Wrench	Adjustable Universal Wrench	20	Equipment
23	Mechanical Tools	Wire Strippers	Wire Stripper Cutter Plier With Spring - 26x6x20 cm (LxWxH)	50	Equipment
24	Mechanical Tools	Screwdriver	40 pc Multi-purpose screwdriver set	30	Equipment
25	Mechanical Tools	Cordless Rotary Multitool Set	Cordless Rotary multitool wit h all cutting, grinding, polishing, engraving and drill bits.  Speed: Adjustable up to 30000 RPM Battery Type: Li-ion Voltage/current range: 8-10V, 0-2 A	10	Equipment
26	Mechanical Tools	Air Blower	500 W or more. Variable speed blower	10	Equipment
27	Mechanical Tools	Drill Bit Set	High Quality 13 Pcs HSS Drill Bits Set for Wood, Iron, Aluminium, Plastic etc.	10	Equipmen
28	Mechanical Tools	File set	6 pc file set Working length - 6 inch	10	Equipmen
29	Mechanical Tools	Mini File set	6 pc mini file set Working length - 3 inch	10	Equipmen
30	Mechanical Tools	Flexible Cutting Mat	A3 Size with Marked Pattern and Grids (18" X 12" )	10	Equipmen
31	Mechanical Tools	Plastic Storage Drawer / Organiser	Number of Drawers: 60 or equivalent Drawer size (I*w*d) (inch) : 2*2*5	20	Equipmen
32	Mechanical Tools	Pegboard	Peg board System to mount tools on wall with attachments . Size: 3ft*2ft	20	Equipmen
33	Electric Tools	Hot glue gun	Works with standard 0.5- inch glue sticks. Temperature - 230 to 280 degree Celsiu s.	40	Equipmer



(Mizoram School Education Mission Society)

McDonald Hill, Zarkawt, Aizawl - 796007

Phone - 0389-2306951/+91 8731847214/+91 6009596345 e-mail: ssamizoram@gmail.com



Package 3: Mechanical, Electrical and Measurement tools					
S. No.	Category	Name	Description	Quantity	Туре
			Minimum Bandwidth: SO Mhz.		
			Minimum number of channels: 2		E. Janes
34	Electric Tools	Digital Oscilloscope	channels. Sample Rate: IGsa/s With	10	Equipment
		i	inbuilt waveform		
			function generator.		
35	Electric Tools	Soldering Kit	Variable Wattage of Soldering Iron : 15-	20	Equipment
33	Electric Tools	30.02	30 watts/230 volts		
36	Electric Tools	Soldering Kit	Soldering Iron	40	Equipment
JU	Electric 10013	0	Temperature Range: 2so· c to 4so·c  De-Soldering Pump, Soldering Flux		
			(Paste) 100 grams,	Ï	
		S - I d - vi Kit	DE-soldering Copper Braid (Solder	40	Equipment
37	Electric Tools	Soldering Kit	Wick) -	,,,	- 4
			I.Sm*2mm		
			1.311 211111		
		Caldaria - Via	Compatible Soldering Tip	40	Equipment
38	Electric Tools	Soldering Kit	- Bevel, Chisel, Conical - 5 each per kit.		, ,
			Soldering Wire: 20/22 AWG soldering		
39	Electric Tools	Soldering Kit	Wire with rosin core flux (100 Grams)	40	Equipment
			DC power Adapter with		
40	Electric Tools	Adapters	ISV,2A	100	Consumable
		Adaptors	DC power Adapter with 12V, 2A	100	Consumable
41	Electric Tools	Adapters	De power Adapter With 1217, 211		
			Multipurpose Electric screwdriver set.		
			Accessories - Compatible bits		
	Electric Tools	Electric Seron Driver Set	Mode - Wireless Battery - Li-ion 3.6V or	10	Equipment
42		Electric Screw Driver Set	equivalent with charging		
			dock		
			dock		
		Dual Temperature Heat	1800W Dual Temperature Heat Gun	10	Equipment
43	Electric Tools	Gun	<u> </u>		, ,
			Specifications : Adjustable crocodile		
		Soldering Helping hand	holding clamps/clip . Soldering iron	40	Equipment
44	Electric Tools	201dering Helping hand	holder. LED light.		
			Magnifying lens.		
45	Measurement Tools	Return measuring tape	Return measuring tape 5Mx19mm	20	Equipment
46	Measurement Tools	Stainless Steel Rule	Stainless Stee   12" / 150 mm Rule	50	Equipment
47	Measurement Tools	Digital Vernier Calliper	150 mm/ 6" Digital Vernier Calliper	20	Equipment
48	Measurement Tools	Spirit Level	12" Spirit Level	10	Equipment
40	Measurement Tools	Digital Pen electric	Voltage tester	10	Equipment
49	ivieasurement roois	Tester			<del> </del>
			Digital Multi Meter Voltage Current		
			Resistance-7 functions+ 19 ranges to		
			cover DC voltage 200mV to l kV, AC		Faultana is
50	Measurement Tools	Digital Multi Meter	voltage 200 V - 750 V, DC current 200	50	Equipment
			μA - 10 A, Resistance 200 -2 M Ohm		
			and Transist or & diode		
			test.	<u> </u>	-
	o: I Wit	DIV Paper Microscope	DIY Paper microscope.	50	Consumable
51	Biology Kit	DIY Paper Microscope	Magnification range - IO0x to 2000x		-
			All glass optical components Altazimuth	ı	
		Talanaaa	mount suitable for terrestrial and	10	Equipment
52	Astronomy Equipment	Telescope	astro nomical use minimum 700 mm	1	
			focal length	ļ	<b>_</b>
			Semi-Automatic Sewing machine		
		Carrier Wit	Straight stitch Consumables - 2 set of	10	Equipment
53	Textile Equipment	Sewing Kit	assorted needles and 10- colour spool	10	
30			set	1	1



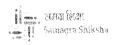
(Mizoram School Education Mission Society) McDonald Hill, Zarkawt, Aizawl - 796007

Phone- 0389-2306951/+91 8731847214/+91 6009596345 e-mail: ssamizoram@gmail.com

	Package 4: Power Supply & Accessories and Safety Equipment				
S. No.	Category	Name	Description	Quantity	Type
1	Power Supply & accessories	Glue Sticks	11 mm x 200mm Hot Melt Glue Stick	1000	Consumable
2	Power Supply & accessories	Nuts and Bolts and screw	Specs - M4X12MM M4X20MM MSX16MM MSX25MM M6X20MM	400	Consumable
3	Power Supply & accessories	Cable Tie	Small Cable Tie Pack - Pack of 100	100	Consumable
4	Power Supply & accessories	Cable Tie	Medium Cable Tie Pack - Pack of 100	100	Consumable
5	Power Supply & accessories	Cable Tie	Big Cable Tie Pack - Pack of 100	100	Consumable
6	Power Supply & accessories	Sand Paper	Grit Values - 80, 100, 120, 200, 300. 5 Nos of each	100	Consumable
7	Power Supply & accessories	Power Strip Adaptors	Standard Quality Extension with SAmp safety fuse. 5 or more sockets in each extension.  5-meter length of each extension.	50	Consumable
8	Power Supply & accessories	Bulb Holders	Regular Hanging Bulb holder	100	Consumable
9	Power Supply & accessories	Electric Wires	Twisted Red black pair	200 meters	Consumable
10	Power Supply & accessories	USB TO DC jack cable	USB to DC jack cable for Battery bank	100	Consumable
11	Safety equipment	First-Aid Kit	Standard Medical First Aid kit in portable container.	20	Consumable
12	Safety equipment	Fire extinguisher (handy units)	Powder Type Fire Extinguisher 2KG	20	Consumable
13	Safety equipment	Safety goggles (with/ without LED torch)	Polycarbonate Safety goggles Clear lens with no tint	300	Consumable
14	Safety equipment	Safety Gloves Pairs	Latex Coating Gloves (Medium Size)	100	Consumable
15	Safety equipment	Safety Mask	Filtering efficiency ranging 80 percent when tested against 0.3-micron sodium chloride particle	200	Consumable







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Package-5 IT INFRASTRUCTURE				
S.No.	ltem	Description	Qty	
1	Computer Lab	Server i3 with Minimum 16GB RAM and 512 GB SSD with 4 Clients (Quad core or Equivalent and higher) Expandable to 70 clients: Mini / micro / ultra-small PC form factor, WiFi (802.11 b/g/n/ac) network and hotspot support, and lock Should Work Offline and Online User accounts - A dedicated desktop and Learning Management System access account for each teacher and student to customise their experience and maintain integrity Structured Networking, 6U network rack, 5 port unmanaged Gigabit (10/100/1000 Mbps) switch. Minimum Cat 5e UTP cable with casing, capping with all accessories along with cable laying till smart class (including I/O, Patch cords etc).	10 Set	
2	Smart Clssroom	stylus for wireless interactivity, Wireless Keyboard, Wireless Mouse (Optional), DLP Projector Min ANSI Lumens 3000;	10	
1	Table for Students	Table with chair for students  Table size 22"*14"x30" height seat size 14"*14  made of 18 mm thick Ply with mica with 1" sq	100	
2	Chairs for Students	pipe 1.22 mm thickness	300	
3	Teacher Table and Chair	Teacher table without drawer Size 36" x24" x30" made of 18 mm thick Ply with mica with 1" square pipe 1.22 mm thickness	10	

4	3D Printer Table	Printer table size 24"x18" having space for printer and papers made of 18 mm thick Ply with mica with 1" sq pipe	10
5	Storage Cabinets	Storage cabinet 6'x3' Made of 18 mm thick Ply with mica	20
6	Table for Server and clients	Table 6*3 Made of 18 mm thick Ply with mica with 1" sq pipe	40



- 2. Details can be obtained from the Office of the State Project Director, Samagra Shiksha, Mizoram, Top Floor, School Education Complex Building, Mc Donald Hill, Zarkawt, Aizawl (Tel 0389 2306630, Tele/Fax 0389 2340377) or may be downloaded from www. Samagra.mizoram.gov.in/tender.mizoram.gov.in on payment of Rs. 500/- per document (non-refundable) on working days from \_\_\_ July, 2024 upto 12:30 PM of \_\_\_August, 2024 during office hours.
- 3. Bids must be accompanied by Earnest Money of the amount specified in Part IV (Clause 11) of the ITB".
- 4. The bid for the work shall remain open for acceptance for a period of 90 days from the date of opening of bids. If any bidder withdraws his bid before the said period or makes any modification in the terms and conditions of the bid. The said Earnest Money shall stand forfeited.
- 5. Other details can be seen in the bidding documents.

(LALSANGLIANA) '
State Project Director
Samagra Shiksha, Mizoram



## Part - IV INFORMATION TO BIDDERS (ITB)



#### 1. Scope of Bid:

- 1.1 The purpose of this assignment is to obtain independent and objective assessment of the quality of Laboratory Equipment for Atal Tinkering Lab under Samagra Shiksha, Mizoram (referred to as the Society for brevity's sake hereinafter), and to assure that the same are of best quality at the most affordable price.
- 1.2 The Successful Bidder will be expected to complete the supply by the intended completion period as specified in part I of the tender document.
- 1.3 Extension of time will be allowed only if the hindrance is submitted to State Project Director and are found to be reasonable.

#### 2. Eligible Bidders:

- 2.1 This Invitation for Bids is opened to all bidders as defined in clause 3 of ITB.
- 2.2 Bidder shall not be under a declaration of ineligibility for corrupt and fraudulent practices by the Central Government, State Govt. or any Public undertaking by whatever name called under the Central or the State Govt.

#### 3. Qualification of the Bidders:

The bidder must be the owner of a reliable company/firm or agents or distributor dealing with Atal Tinkering Lab (Hereinafter referred to as ATL) that are able to supply, install and conduct training for ATL as given in Part III of the tender document.

- 3.1 All Bidders should include the following information and documents with their bids:
  - (a) **Self attested copies of documents** defining the constitution or legal status, place of registration and principal place of business, written power of Attorney of the Signatory of the bid to commit the bidder.
  - (b) Total monetary value of similar works performed for each of the last 2 years (compilation sheet and supporting documents should be attached).
  - (c) Experience in works of a similar nature during the last 5-10 years and detail of works in progress or contractually committed, if any, supported by copies of work order (compilation sheet and supporting documents should be attached).
  - (d) should be one of an indicative vendor list of ATL given by NITI Aayog with eligibility of "ALL ATL WORK"

Note: Sl. No. 3.1 (b) and (c) may be produced in one document and original copies should be produced at the time of bid opening and at any other time as may be required by the society.

- 3.2 Each bidder must produce:
  - (a) An affidavit that the information furnished with the bid documents is correct in all respects (original document should be attached).
- 3.3 Financial status (Balance Sheet) certified by Chartered Accountant firm for the last minimum 2 years to show financial soundness with a transaction not less than half the contract price.
- 3.4 Bank certificate showing soundness of capital investments (original document should be attached).

4. **Disqualification:** 

4.1 Absence of anyone of the documents stated on clauses 3.1 to 3.4 will be disqualified with the acceptance of the Bidders.

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- (a) Made misleading or false representation in the forms, statements, affidavits and attachment, submitted in proof of the qualification requirements, and /or
- (b) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.
- (c) Participated in previous bidding for the same type of work and had quoted unreasonably high or low bid prices and could not furnish rational justification for it to the Society.

#### 5. No. of Bid per bidder:

5.1 Each bidder shall submit only 1 bid for 1 work. A bidder who submits more than 1 bid for the same work will cause the proposals with the bidder's participation to be disqualified.

#### 6. **Pre-Bid Meeting:**

- 6.1 Pre-Bid meeting **at the request of majority of the potential bidder** may be arranged at the time and place fixed by the Society.
- 6.2 The Bidder or his authorized representative shall be invited to attend Pre-Bid Meeting.
- 6.3 The purpose of the meeting shall be to clarify issues and to answer question to any matter that may be raised at the stage.
- 6.4 Non-attendance at the Pre-Bid Meeting will not be a cause for disqualification of a bidder.

## 7. Amendment of Bidding Documents:

- 7.1 Before the deadline for submission of bids, the Society may modify the bidding documents by issuing addenda.
- 7.2 Any addendum thus issued shall be part of the bidding documents and shall be notified.
- 7.3 To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Society shall extend, as necessary, the deadline for submission of bids.

## 8. **Language of Bids:**

8.1 All documents relating to the bid shall be in English.

## 9. **Documents Comprising the Bids:**

9.1 The Bids submitted by the bidder shall be in two separate parts.

#### Part -I

It shall be named "Technical Bid" and shall comprise of:

(a) Earnest Money in a separate sealed envelope cover marked, "Earnest Money".

- (b) Qualification information, supporting documents, affidavit as specified in clause 3 of ITB.
- (c) An Affidavit affirming that information he has furnished in the bidding document is correct to the best of his knowledge and belief.

#### Part - II

It shall be named "Financial Bid" and shall comprise of:

- (a) Form of bid as specified in Part VII.
- (b) Priced Bill of Quantities as specified in Part IX.

Each part shall be separately sealed and marked in accordance with sealing and marking instruction in clause 13.

#### 10. Bid Price:

- 10.1 All duties, taxes, royalties and other levies payable by the bidder under the contract, or for any other cause, shall be included in the rates, prices, and total bid price submitted by the bidder.
- 10.2 The rates and prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment.
- 10.3 All rates/prices quoted should be FOR destination.

### 11. Earnest Money:

- 11.1 The bidder shall furnish, as part of the bid, Earnest Money of 2% of the estimated cost.
- 11.2 The Earnest Money shall, at the Bidder's option, be in the form of **Demand Draft/Fixed Deposit/ Deposit at Call of a Scheduled Bank guaranteed by the Reserve Bank of India** and issued in favour of the name given in Part I (the Society). The Fixed Deposit Receipt/ Deposit at Call Receipt shall be **valid for at least for 4 months**.
- 11.3 The Earnest Money of unsuccessful bidders will be returned.
- 11.4 The Earnest Money of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required Performance Security or may be used as part of Performance Security.
- 11.5 As per GOI guidelines, MSME will be exempted for EMD and they need to furnish the Udyam Registration Certificate.

## 12. Format and Signing of Bids:

- 12.1 The Bidder shall submit 1 set of the bid comprising of the Documents as described in clause 9.
- 12.2 All Pages (both front and back side) of the bid shall be signed by the bidder.
- 12.3 The bids shall contain no over writing, alteration or addition, except those to comply with instructions issued by the Society, or as necessary to correct errors made by the bidders, in which case such corrections shall be made by scoring out the cancelled portion, writing the correction and initialing and dating it by the bidder.



### 13. Sealing & Marking of bids:

13.1 The Bidder shall place the two separate envelopes (called inner envelopes) marked "Technical Bid" and "Financial Bid" in one outer envelope. The inner envelope will have markings as follows:

Technical Bid: To be opened on Date & Time of Technical Bid opening as indicated in Part - I

Financial Bid: Not to be opened except with the approval of the Society.

The contents of the Technical and Financial Bids shall be as specified in clause 9.1 of ITB

- 13.2 The inner and outer envelopes containing the Technical & Financial Bids shall-
  - (a) Be addressed to the Society at the address provided in the Part I
  - (b) Provide a warning not to be opened before the specified time and date for Bid opening as defined in Part I.

### 14. Deadline for submission of Bids

- 14.1 Complete Bids (Including Technical and Financial) must be received by the Society at the address specified in the Part I not later than the date and time indicated in Part I
- 14.2 The Society may extend the deadline for submission of Bids by issuing an amendment in accordance with clause 7, in which case all rights and obligations of the Society and the Bidders previously subject to the original deadline will then be subject to the new deadline.

#### 15. **Bid Opening**:

- The Society will open the Bids received (except those received late) in the presence of the Bidders/Bidders' representatives who chose to attend at the time, date and place specified in the Part I.
- 15.2 The envelope containing the Technical Bid only shall be opened.
- 15.3 In all other cases the availability of Earnest Money, forms and validity shall be announced. Thereafter, the Bidders' names and such other details as the Society may consider appropriate, will be announced by the Society at the opening.
- 15.4 Evaluation of Technical Bids with respect to Bid Security, Qualification information and other information furnished in Part I of Clause 9.1 shall be taken up immediately.
- 15.5 The Society shall inform, whose technical bids are found responsive, date, time and place of opening as stated in Part I.
- At the Time of opening of the Financial Bids, the names of the bidders whose bids were found responsive in accordance with clause 15.4 of ITB will be announced. The financial bids of only these bidders will be opened. The remaining bids will be returned unopened to the Bidders. The responsive bidders' names, the bid prices, the total amount of each bid, and such other details as the Society may consider appropriate will be announced by the Society at the time of bid opening. Any bid price, which is not read out and recorded, will not be taken into account in Bid evaluation.
- 15.7 The Society shall prepare the minutes of the opening of the Financial Bids.



#### 16. Process to be Confidential:

16.1 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any attempt by a bidder to influence the Society's processing of bids or award decisions may result in the rejection of his Bid.

## 17. Clarification of Bids and Contacting the Society:

- 17.1 No Bidder shall contact the Society on any matter relating to its Bid from the time of the Bid opening to the time the contract is awarded.
- 17.2 Any attempt by the Bidder to influence the Society's Bid evaluation, Bid comparison or contract award decision may result in the rejecting of his Bid.

## 18. Examination of Bids and determination of Responsiveness:

- 18.1 During the detailed Evaluation of "Technical Bids" the Society will determine whether each bid
- (a) meets the eligibility criteria define in clauses 2 & 3 (ITB)
- (b) has been properly signed
- (c) is accompanied by the required securities and
- (d) substantially responsive to the requirement of the Bidding Documents.

During the detailed Evaluation of the "Financial Bid", the responsiveness of the Bid will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities and technical specifications. In short, the responsiveness eligibility and/or Qualification of the Bidder shall be Evaluated based on: -

- i. Financial capability of the bidder.
- ii. The Bidder capability to manage similar size and nature of work.
- iii. The bidder past performance and experience in executing similar contract work.
- iv. The bidder past litigation history.
- v. Any other documents submitted by the bidder to augment the advantage in commencing the work.
- 18.2 A substantially responsive "Financial Bid" is one, which conforms to all the rates as quoted in the Bill of Quantities.
- 18.3 If a financial bid is not substantially responsive, it will be rejected by the Society, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

#### 19. Award Criteria:

- 19.1 The Society will award the contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has scored the highest mark in comparative statement provided that such bidder has been to be eligible in accordance with the provision of clause 2 and qualified in accordance with the provision of Clause 3 of ITB.
- 19.2 The Society reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids, at any time prior to the award of contract, without thereby

- incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the ground for the Society's action.
- 19.3 The Society will have the right not to award the lowest bidder without announcing any reason behind.
- 19.4 Item-wise selection shall not be undertaken while evaluating the bid, rather, whole package of the items as given in Sl. No. 1 of Part III shall be considered for evaluation and award of the contract for each FOR.

#### 20. Notification of Award & Signing of Agreement:

- 20.1 The bidder whose bid has been accepted will be notified of the Award by the Society prior to expiration of the Bid Validity Period. This letter will state that the Society will pay to the successful bidder in consideration of the Execution and Completion.
- 20.2 The Notification of the Award will constitute the formation of the contract, subject only to the furnishing of a Performance Security in accordance with the provisions of clause 21.
- 20.3 The Agreement will incorporate all agreement between the Society and the successful Bidder. It will be signed by the Society and the successful Bidder after the Performance Security is furnished.

#### 21. Performance Security:

- 21.1 Within 10 days after receipt of Letter of Acceptance, the successful bidder shall deliver to the Society, a Performance Security of 5% of the estimated cost.
- 21.2 The Performance Security shall be either in the form of a Bank Guarantee or Fixed Deposit Receipts in the name of the Society, from a Scheduled Bank guaranteed by the Reserve Bank of India, valid up to 60 days beyond the warranty period given in Part III of the tender document.
- 21.3 Failure of the Successful Bidder to comply with the requirement of clause 21.1 shall constitute sufficient grounds for cancellation of the Award and forfeiture of the Earnest Money.



#### Part - V

# EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT FACILITIES BANK CERTIFICATE

This is to certify that M/S	
is a reputed company/society /firm with	a good financial standing. If the contract for the work,
namely,	
is awarded to the above company/societ	cy /firm, we shall be able to provide overdraft/credit
facilities to the extent of Rs.	(Rupees
	)
Signature of Senior Bank Manager	
Name of the Senior Bank manager	
Address of the Bank	

Stamp of the Bank

Note: Certificate should be given in the letter head of the Bank.



## Part - VI Letter of Acceptance

	Date:
То,	
(Name of the Contractor)	
(Address of the Contractor)	
This is to notify you that the <b>State Proje</b>	ct Office, Samagra Shiksha, Mizoram has accepted your
Bid dated fo	r Supply of Lab Equipment for Atal Tinkering Lab for
the Contract Price of Rs.	(Rupees
	) only as
corrected and modified in accordance w Society.	ith the Instructions to Bidders is hereby accepted by our
You are hereby requested to furnish Perf	formance Security in the form detailed in Clause 21 of ITB
for an amount of Rs	within 14 days of the receipt of this letter of
acceptance valid up to 60 days from the	date of expiry of Defects Liability Period and
sign the contract, failing which, action as	stated in Clause 21.3 of ITB will be taken.
	Yours faithfully,
F	Authorized Signature:
N	ame and Title of Signatory:
	Name of Society:



## Part VII Form of bid

•	e of the Society) ss (Address of the Society)		- -
Descri	ption of the Work		
1.	out the conditions of contr	orks described above and remedy an act, specifications, Bill of Quantities	and Addenda for item rate(in figures) Rupees
<ul><li>2.</li><li>3.</li><li>4.</li><li>5.</li></ul>	contract documents.  This Bid and your written a  We understand that that yo	ce the works on receiving work or cceptance of it shall constitute a bind u are not bound to accept the lowest s Bid complies with the Bid validity	der in accordance with the ling contract between us. or any Bid you receive.
Name	orized Signature: e and Title of Signatory: e of Bidder: ress:		

Note: The Bidder shall fill in and submit this Bid form with the Bid



## Part - VIII TERMS OF REFERENCE (TOR)

#### 1. Background:

The Samagra Shiksha – An Integrated Scheme on School Education envisages the 'school' as a continuum from pre-school3, primary, upper primary, secondary to Senior Secondary levels. The vision of the Scheme is to ensure inclusive and equitable quality and holistic education from pre-school to senior secondary stage in accordance with the Sustainable Development Goal (SDG) for Education4 and the National Education Policy (NEP) 2020The objective of this scheme is to foster curiosity, creativity, and imagination in young minds; and inculcate skills such as design mindset, computational thinking, adaptive learning, physical computing etc. The main outcomes of the Scheme are envisaged as Universal Access, Equity and Quality including Vocational Education, Inclusive Education, and increased use of Technology and strengthening of Teacher Education Institutions (TEIs)

ATL is a workspace where young minds can give shape to their ideas through hands on do-it-yourself mode; and learn innovation skills. Young children will get a chance to work with tools and equipment to understand the concepts of STEM (Science, Technology, Engineering and Math). ATL would contain educational and learning 'do it yourself' kits and equipment on – science, electronics, robotics, open-source microcontroller boards, sensors and 3D printers and computers. Other desirable facilities include meeting rooms and video conferencing facility.

In order to foster inventiveness among students, ATL can conduct different activities ranging from regional and national level competitions, exhibitions, workshops on problem solving, designing and fabrication of products, lecture series etc. at periodic intervals.

### 2. Objectives:

The main objective of this assignment:

- 2.1 To obtain independent and objective assessment of the quality of Laboratory Equipment to be procured under Atal Tinkering Lab of Samagra Shiksha, Mizoram.
- 2.2 To assure that the Lab equipment so procured are of best quality at the most affordable price.
- 2.3 To assure the rightful installation of the Lab and training of ATL schools teachers and students.

## 3. Governing Factors:

- 3.1 The Supplier shall have prior experience at least for 2 years in the field of supply of ATL, Installation and imparting of Training for ATL and completed a similar magnitude of works that covered in the proposed work.
- 3.2 The Supplier shall execute according to the items given in Bill of Quantities.
- 3.3 The Supplier shall not have the right to alter the conditions at any cost. In case of any alterations is found necessary in the specifications, the same shall be brought to the notice of State Project Office immediately.
- 3.4 The assignment mentioned herein is intended to be job oriented and not time oriented and the Supplier shall not be entitled to claim any compensation in the event of the time estimated for the completion of the work being extended for any reason whatsoever.



- 3.5 In order to ensure the quality and timely completion of the work, the Supplier should remain present in contact with the Society.
- 3.6 Rates agreed shall be firm till the completion of work inclusive of transportation, stationary, communication charges, Service Tax and all other applicable taxes.

#### 4. Report to:

State Project Director, Samagra Shiksha, Mizoram, Top Floor, School Education Complex Building, Mc Donald Hill, Zarkawt, Aizawl, Mizoram.

### 6. Stages of Deposits and Payments:

6.1 Payment Schedule: Payments must be made by State Project Director, Samagra Shiksha, Mizoram Through PFMS within 30 days from completion of the work.

## 7. Inputs from State Project Office, Samgra Shiksha, Mizoram:

7.1 List of delivery shall be as below:

Place of delivery, Installation and Training	No. of Lab Equipment to be delivered	Name of FOR
GOVT. MAMIT HIGH SCHOOL	1	GOVT. MAMIT HIGH SCHOOL
GOVT. MARPARA HIGH SCHOOL	1	GOVT. MARPARA HIGH SCHOOL
GOVT. KAWRTETHAWVENG HIGH SCHOOL	1	GOVT. KAWRTETHAWVENG HIGH SCHOOL
RAJIV NAGAR RMSA SECONDARY SCHOOL	1	RAJIV NAGAR RMSA SECONDARY SCHOOL
GOVT. RENGDIL HIGH SCHOOL	1	GOVT. RENGDIL HIGH SCHOOL
SILSURY SECONDARY SCHOOL	1	SILSURY SECONDARY SCHOOL
GOVT. DARLUNG HIGH SCHOOL	1	GOVT. DARLUNG HIGH SCHOOL
GOVT. PHULDUNGSEI HIGH SCHOOL	1	GOVT. PHULDUNGSEI HIGH SCHOOL
GOVT. RAWPUICHHIP HIGH SCHOOL	1	GOVT. RAWPUICHHIP HIGH SCHOOL
DARLAK RMSA SECONDARY SCHOOL	1	DARLAK RMSA SECONDARY SCHOOL

#### 8. General Requirements:

- 8.1 The State Project Director, Samagra Shiksha, Mizoram reserves full right to alter its requirements.
- 8.2 The decision of State Project Director, Samagara Shiksha, Mizoram will be final in all the matters.



## Part - IX BILL OF QUANTITIES



#### Part – IX BILL OF QUANTITIES





vo.	6-1	Package 1 : Electronics Dev Name	elopment , Robotics, Internet of Things A Specification	Rate	Quantity	Amount
١.	Category		opeometric.		30	
	Electronics Development	Arduino Uno or equivalent  Arduino Nano or			-	
2	Electronics Development	equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry Pl			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27		LDR Module			30	
28	Electronics	Keypad			10	
29	Development  Electronics	Joystick			10	
30	Development	Active Buzzer			40	
	Electronics Development	Active Buzzer			40	

S. No.	Category	Package 1 : Electronic Name	s Development , Robotics, Internet of Things And Specification	Sensors Rate	Quantity	Amount
	Electronics Development	Motor driver Module			10	
	Electronics Development	Sound Playback		<u>.</u> ,,	10	
	Electronics Development	Module  DC Plastic Gear motor with			40	
34	Electronics Development	wheel				
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch Module			10	
56	Internet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57	Internet of Things & Sensors	Triple Axis Magnetometer			10	
58	Internet of Things & Sensors	Humidity Sensor			10	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series			3	
63	Internet of Things & Sensors	M Q Series			3	
64	Internet of Things & Sensors	M Q Series			3	
		, L	Bill of Quantities		·	L

Bill of Quantities

4.25		Package 1 : Electronic	s Development, Robotics, Internet of Things And		5,414.	<b>  §  </b>
S. No.	Category	Name	Specification	Rate	Quantity	Amount
65	Internet of Things & Sensors	M Q Series			3	
66	Internet of Things & Sensors	M Q Series			3	
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	HC-SR-04 or			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	IR Sensors Array module for Line			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	
91	Robotics	Stepper motor with Driver board			10	
92	Robotics	DC motor			20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	Robotics	Servo motors			20	
97	Robotics	150 RPM BO Motor			10	
		<u> </u>			<u> </u>	

	Package 1 : Electronics Development , Robotics, Internet of Things And Sensors					
S. No.	Category	Name	Specification	Rate	Quantity	Amount
98	Robotics	L298P Motor Driver			10	
99	Robotics	Servo Motor Tester			4	
100	DIY Kit	Robotics DIV Kit			3	
101	DIY Kit	Mechanical (Modular) Construction kit			5	
102	STEM Learn ing/ App lication Kit	Drone Kit			1	
103	Robotics DIY KIT	Aerospace Kit			1	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
106	Robotics DIY KIT	Agri-Tech Kit			1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM Application Kit			1	
			TOTAL			

Rupees in word (		
	) Only	
Signature		
Name of Proprietor		
Firm Seal		

## Part – IX BILL OF QUANTITIES

FOR Govt. Marpara High School

. No.	Category	Name	Development, Robotics, Internet of Things And Specification	Rate	Quantity	Amount
	Electronics Development	Arduino Uno or equivalent			30	
2	Electronics Development	Arduino Nano or equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry PI			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27	Electronics Development	LDR Module			30	
28	Electronics Development	Keypad			10	
29	Electronics Development	Joystick			10	
30	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	
32	Electronics Development	Motor driver Module			10	

Bill of Quantities

Category  ctronics Development  ctronics Development	Name Sound Playback Module  DC Plastic Gear motor with wheel  Node MCU  WeMos D1 R2  Vibrating Motor  Alligator Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  Jumper Cable  LEDs (Red)  LEDs (Green)  LEDs (How)	Specification	Rate	Quantity  10  40  6  6  20  200  40  40  40  40  400  40	Amount
ctronics Development	DC Plastic Gear motor with wheel  Node MCU  WeMos D1 R2  Vibrating Motor  Alligator Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  Jumper Cable  LEDs (Red)  LEDs (Green)  LEDs (Blue)			40 6 6 20 200 40 40 600 400 400 1000	
ctronics Development	wheel  Node MCU  WeMos D1 R2  Vibrating Motor  Alligator Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			6  6  20  200  40  40  400  400  1000	
ctronics Development	WeMos D1 R2  Vibrating Motor  Alligator Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			6 20 200 40 400 400 1000	
ctronics Development	Vibrating Motor  Alligator Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  Jumper Cable  LEDs (Red)  LEDs (Green)  LEDs (Blue)			20 200 40 4 1000 600 400 400	
ctronics Development	Alligator Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  Jumper Cable  LEDs (Red)  LEDs (Green)  LEDs (Blue)			200 40 4 1000 600 400 400 1000	
ctronics Development	Connectors  Battery clips with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			40 4 1000 600 400 400	
ctronics Development	with DC Jack  Hook-up Wires  Jumper Cable  Jumper Cable  Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			4 1000 600 400 400 1000	
ctronics Development ctronics Development ctronics Development ctronics Development ctronics Development ctronics Development	Jumper Cable  Jumper Cable  Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			1000 600 400 400 1000	
ctronics Development ctronics Development ctronics Development ctronics Development ctronics Development	Jumper Cable  Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			600 400 400 1000	
ctronics Development ctronics Development ctronics Development ctronics Development	Jumper Cable  RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			400	
ctronics Development ctronics Development ctronics Development	RGB LEDs  LEDs (Red)  LEDs (Green)  LEDs (Blue)			400	
ctronics Development ctronics Development ctronics Development	LEDs (Red)  LEDs (Green)  LEDs (Blue)			1000	
ctronics Development	LEDs (Green)				
ctronics Development	LEDs (Blue)			1000	
ctronics Development	LEDs (Yellow)			1000	
	1			1000	
ctronics Development	LEDs (White)			1000	
ctronics Development	Timer IC- LM 555			30	
tronics Development	Atmega16u2			10	
tronics Development	Diodes and Transistors Kit			3	
tronics Development	Button Switch Set			3	
tronics Development	Capacitative touch Module			20	
tronics Development	Capacitative Touch Switch Module			10	
rnet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
rnet of Things & Sensors	Triple Axis Magnetometer			10	
rnet of Things & Sensors	Humidity Sensor			10	
rnet of Things & Sensors	M Q Series			3	
rnet of Things & Sensors	M Q Series			3	
	M Q Series			3	
rnet of Things & Sensors	M Q Series			3	
rnet of Things & Sensors				3	
	M Q Series		1	3	
rnet of Things & Sensors	M Q Series M Q Series				
r	net of Things & Sensors	net of Things & Sensors M Q Series  net of Things & Sensors M Q Series  net of Things & Sensors M Q Series  net of Things & Sensors M Q Series	net of Things & Sensors M Q Series  net of Things & Sensors M Q Series  net of Things & Sensors M Q Series  net of Things & Sensors M Q Series	net of Things & Sensors M Q Series  net of Things & Sensors M Q Series	net of Things & Sensors M Q Series 3 net of Things & Sensors M Q Series 3 net of Things & Sensors M Q Series 3 net of Things & Sensors M Q Series 3 net of Things & Sensors M Q Series 3 net of Things & Sensors M Q Series 3 net of Things & Sensors M Q Series 3

S. No.	Category	Package 1 : Electronic Name	s Development , Robotics, Internet of Things And Specification	Sensors Rate	Quantity	Amount
	Internet of Things & Sensors	M Q Series	Specification	Note	3	Amount
00	miternet of Things & Sensors	IVI Q Series				
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	HC-SR-04 or			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	· · · · · · · · · · · · · · · · · · ·
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor		* · · ·	10	
87	Internet of Things & Sensors	IK Sensors Array module for Line Following			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	
91	Robotics	Stepper motor with Driver board			10	
92	Robotics	DC motor			20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	Robotics	Servo motors			20	
97	Robotics	150 RPM 80 Motor			10	
98	Robotics	L298P Motor Driver			10	

			elopment, Robotics, Internet of Things And	<del></del>		
S. No.	Category	Name	Specification	Rate	Quantity	Amount
99	Robotics	Servo Motor			4	
		Tester			1	
100	DIY Kit	Robotics DIV Kit			3	
			W			
101	DIY Kit	Mechanical (Modular)			5	
·		Construction kit				
3117	STEM	Drone Kit			1	
	Learn ing/ App lication Kit					
103	Robotics DIY KIT	Aerospace Kit			1 1	
					-	·
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1 1	
		-			-	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
		· · · · · · · · · · · · · · · · · · ·			1	
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM			1	
		Application Kit				
			TOTAL			
			TOTAL			

Rupees in word (		
Signature	-	
Name of Proprietor		
Firm Seal		



## Part – IX BILL OF QUANTITIES

FOR Govt. Kawrtethawveng High School

	T		s Development, Robotics, Internet of Things And	<del></del>		
S. No.	Category	Name	Specification	Rate	Quantity	Amount
1	Electronics Development	Arduino Uno or equivalent			30	****
2	Electronics Development	Arduino Nano or equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry Pl		,	5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
2/	Electronics Development	LDR Module			30	
7X I	Electronics Development	Keypad			10	
29 I	Electronics Development	Joystick			10	
30	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	
32	Electronics Development	Motor driver Module			10	
	<del> </del>		Rill of Quantities			

Bill of Quantities

	6-1		s Development , Robotics, Internet of Things And			<b>2</b>
S. No.	Category	Name Sound Playback	Specification	Rate	Quantity	Amoun (v)
33	Electronics Development	Module .			10	Amount of
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack		···	40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable		:	1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch Module			10	
56	Internet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57	Internet of Things & Sensors	Triple Axis Magnetometer			10	
58	Internet of Things & Sensors	Humidity Sensor			10	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series			3	
63	Internet of Things & Sensors	M Q Series			3	
64	Internet of Things & Sensors	M Q Series			3	
65	internet of Things & Sensors	M Q Series			3	
			Bill of Quantities			

S. No	category	Package 1 : Electronics Name	Development , Robotics, Internet of Things Ar Specification	nd Sensors Rate	Quantity	Amount
66	Internet of Things & Sensors	M Q Series			3	1
67	Internet of Things & Sensors	IR transmitter/receiver	WW. 1986-000		10	
68	Internet of Things & Sensors	Ultrasonic Sensor Module HC-SR-04 or			40	7.1
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	-
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	70° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1 ° 1
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	IR Sensors Array module for Line Following			10	
88	Internet of Things & Sensors	Power Bank			5	· · · · · · · · · · · · · · · · · · ·
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	
91	Robotics	Stepper motor with Driver board	,		10	
92	Robotics	DC motor	44.4		20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	Robotics	Servo motors			20	
97	Robotics	150 RPM BO Motor			10	
98	Robotics	L298P Motor Driver			10	

		Package 1 : Electronics Dev	Package 1: Electronics Development, Robotics, Internet of Things And Sensors							
S. No.	Category	Name	Specification	Rate	Quantity	Amount				
99	Robotics	Servo Motor Tester			4					
100	DIY Kit	Robotics DIV Kit			3					
101	DIY Kit	Mechanical (Modular) Construction kit			5					
102	STEM Learn ing/ App lication Kit	Drone Kit			1					
103	Robotics DIY KIT	Aerospace Kit			1	· · · · · · · · · · · · · · · · · · ·				
104	Robotics DIY KIT	Automobile Kit			1					
105	Robotics DIY KIT	Bio-Medical Kit			1					
106	Robotics DIY KIT	Agri-Tech Kit			1					
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1					
108	Robotics DIY KIT	Bio Tech Kit			1					
109	Robotics DIY KIT	Other Potential STEM Application Kit			1					
			TOTAL							

Rupees in word (	
	 _) Only
Signature	
Name of Proprietor	
Firm Seal	



#### Part – IX BILL OF QUANTITIES

FOR Rajiv Nagar RMSA Secondary School

. No.	Category	Package 1 : Electronics Name	Development , Robotics, Internet of Things And Specification	Rate	Quantity	Amount
1	Electronics Development	Arduino Uno or equivalent			30	
2	Electronics Development	Arduino Nano or equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry PI			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	-
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27	Electronics  Development	LDR Module			30	
28	Electronics Development	Keypad			10	
29	Electronics Development	Joystick			10	
30	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	
32	Electronics Development	Motor driver Module			10	

Bill of Quantities

S. No.	T		s Development , Robotics, Internet of Things And Ser	~~~~	<del>,</del>	Š
	Category  Floatronics Dovelonment	Name Sound Playback	Specification	Rate	Quantity	Amount
33	Electronics Development	Module			10	
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	V
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49 E	Electronics Development	LEDs (White)			1000	·
50 E	lectronics Development	Timer IC- LM 555			30	
51 E	lectronics Development	Atmega16u2			10	
52 E	lectronics Development	Diodes and Transistors Kit			3	
53 E	lectronics Development	Button Switch Set			3	
54 E	lectronics Development	Capacitative touch Module			20	
55 E	lectronics Development	Capacitative Touch Switch Module			10	
56 Ir	nternet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57  Ir	nternet of Things & Sensors	Triple Axis Magnetometer			10	
58 Ir	nternet of Things & Sensors	Humidity Sensor			10	
59 Ir	iternet of Things & Sensors	M Q Series			3	
60 In	iternet of Things & Sensors	M Q Series			3	
51 In	ternet of Things & Sensors	M Q Series			3	
52 In	ternet of Things & Sensors	M Q Series			3	
i3 In	ternet of Things & Sensors	M Q Series			3	
4 In	ternet of Things & Sensors	M Q Series			3	
5 In	ternet of Things & Sensors	M Q Series			3	

		Package 1 : Electronic	s Development , Robotics, Internet of Things And		<b>,</b>	
5. No.	Category	Name	Specification	Rate	Quantity	Amount
66	Internet of Things & Sensors	M Q Series			3	Amount BE
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	HC-SR-04 or			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor	49.7		4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	for Line			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	
91	Robotics	Stepper motor with Driver board			10	
92	Robotics	DC motor			20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	Robotics	Servo motors			20	
97	Robotics	150 RPM BO Motor			10	
98	Robotics	L298P Motor Driver			10	

S. No.	Category	Name	elopment , Robotics, Internet of Things And Specification	Rate	Quantity	Amount
99	Robotics	Servo Motor Tester			4	
100	DIY Kit	Robotics DIV Kit			3	
101	DIY Kit	Mechanical (Modular) Construction kit			. 5	
102	STEM Learn ing/ App lication Kit	Drone Kit			1	
103	Robotics DIY KIT	Aerospace Kit			1	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	·
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM Application Kit			1	
			TOTAL			

Rupees in word (		······································
	·	) Only
Signature		
Name of Proprietor		
Firm Seal		



## Part – IX BILL OF QUANTITIES

FOF	Govt. Rengdil High School		BILL OF QUANTITIES			AMACGA
C N			Development , Robotics, Internet of Things And Se	nsors		
5. No	Electronics Development	Name Arduino Uno or equivalent	Specification	Rate C	Quantity	Amount
2	Electronics Development	Arduino Nano or			30 	
3	Electronics Development	equivalent Arduino Mega or				
4	Electronics Development	equivalent Raspberry PI			10	
5	Electronics Development	Breadboards & Mini			5	
6	Electronics Development	Breadboard Breadboards & Mini			30	
7	Electronics Development	Breadboard Breadboards & Mini			20	
8	Electronics Development	Breadboard General Purpose			20	
	ciccionics bevelopment	solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
- 20 1	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter		:	10	
//	Electronics Development	LDR Module		3	30	
2X I	Electronics Development	Keypad		1	10	
79 1	Electronics Development	Joystick		1	10	
1	lectronics Development	Active Buzzer		4	10	
31 E	lectronics Development	Active Buzzer		4	10	
32 E	lectronics Development	Motor driver Module		1	.0	
		·	Oill of Ougatities			

Bill of Quantities

	<del></del>		s Development, Robotics, Internet of Things An	d Sensors		
5. No.		Name Sound Playback	Specification	Rate	Quantity	Amount &
33	Electronics Development	Module			10	Amount
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50 E	Electronics Development	Timer IC- LM 555			30	
51 E	Electronics Development	Atmega16u2			10	
52 E	Electronics Development	Diodes and Transistors Kit			3	
53 E	Electronics Development	Button Switch Set			3	
54 E	lectronics Development	Capacitative touch Module			20	
55 E	lectronics Development	Capacitative Touch Switch Module			10	
56 lr	nternet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57 Ir	nternet of Things & Sensors	Triple Axis Magnetometer			10	
58 Ir	nternet of Things & Sensors	Humidity Sensor			10	
59 Ir	nternet of Things & Sensors	M Q Series			3	
60 Ir	nternet of Things & Sensors	M Q Series			3	
51 In	nternet of Things & Sensors	M Q Series			3	
52 In	iternet of Things & Sensors	M Q Series			3	
53 In	iternet of Things & Sensors	M Q Series			3	
54 In	ternet of Things & Sensors	M Q Series			3	
55 In	ternet of Things & Sensors	M Q Series			3	
		L	Bill of Quantities		L	

		Package 1 : Flectronics	Development , Robotics, Internet of Things And	Sensors	aller a	
5. No.	Category	Name Name	Specification Specification	Rate	Quantity	Amounte \
66	Internet of Things & Sensors	M Q Series			3	Amounty Amounts
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	HC-SR-04 or			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	IR Sensors Array module for Line			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	
91	Robotics	Stepper motor with Driver board			10	
92	Robotics	DC motor			20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	Robotics	Servo motors			20	
97	Robotics	150 RPM BO Motor			10	
98	Robotics	L298P Motor Driver			10	
	L	<u> </u>		L		

. No.	Category	Name	Specification	Rate	Quantity	Amount
99	Robotics	Servo Motor Tester			4	
100	DIY Kit	Robotics DIV Kit			3	
101	DIY Kit	Mechanical (Modular) Construction kit			5	
102	STEM Learn ing/ App lication Kit	Drone Kit			1	
103	Robotics DIY KIT	Aerospace Kit			1	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM Application Kit			1	
			TOTAL			

Rupees in word (		
	) Only	
Signature		PROJECTOIRE
Name of Proprietor		ROJECT DIRECTOR
Firm Seal		STATE OF STANCENTY INC.
		SAM SHANKS KEST

#### Part - IX BILL OF QUANTITIES

FOR Silsury Secondary School Package 1: Electronics Development, Robotics, Internet of Things And Sensors

C NI-	Category	Name	Specification	Rate	Quantity	Amount
<b>S. No.</b> 1	Electronics Development	Arduino Uno or equivalent	-		30	
2	Electronics Development	Arduino Nano or equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry Pl			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27	Electronics Development	LDR Module			30	
28	Electronics Development	Keypad			10	
29	Electronics Development	Joystick			10	
30	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	
32	Electronics Development	Motor driver Module			10	
		<u> </u>	Bill of Quantities			

		Package 1 : Electronics Devel	opment , Robotics, Internet of Thin		I Oversie I	Amount
S. No.	Category	Name	Specification	Rate	Quantity	Amount
33	Electronics Development	Sound Playback Module			10	
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	1
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch			10	
	Internet of Things & Sensors	IR Sensors, Obstacle			20	
56 	Internet of Things & Sensors	avoider sensor module  Triple Axis Magnetometer			10	
57		Humidity Sensor			10	1.440
58	Internet of Things & Sensors				3	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series				
63	Internet of Things & Sensors	M Q Series			3	
64	Internet of Things & Sensors	M Q Series			3	
65	Internet of Things & Sensors	M Q Series	ill of Quantities		3	<u> </u>

5. No. Category Name Specification Rate Q Internet of Things & Sensors Int	Quantity	Amount
Internet of Things & Sensors  Relay Module  Internet of Things & Sensors  Internet o	3	TRA SAM
Internet of Things & Sensors  for Internet of Things & Sensors  fiex Sensor  fiex Fiex Sensor  fiex	10	
Internet of Things & Sensors   Triple Avis accelerometer		
Internet of Things & Sensors PIR Motion Detector Module  71 Internet of Things & Sensors Pulse Rate Heart Sensor  72 Internet of Things & Sensors Relay Module  73 Internet of Things & Sensors Relay Module  74 Internet of Things & Sensors Relay Module  75 Internet of Things & Sensors Relay Module  76 Internet of Things & Sensors Relay Module  77 Internet of Things & Sensors Relay Module  80 Internet of Things & Sensors Relay Module  90 Internet of Things & Sensors Relay Module  91 Internet of Things & Sensors Relay Module  92 Internet of Things & Sensors Relay Module  93 Internet of Things & Sensors Relay Module  94 Internet of Things & Sensors Relay Module  95 Internet of Things & Sensors Relay Module  96 Internet of Things & Sensors Relay Module  97 Internet of Things & Sensors Relay Module  98 Internet of Things & Sensors Relay Module  99 Internet of Things & Sensors Relay Module  90 Internet of Things & Sensors Recognit ion Sensor Recognit ion Senso	40	
Internet of Things & Sensors   Module	10	
Internet of Things & Sensors   Relay Module	20	
Internet of Things & Sensors   Big Sound microphone module	4	
Internet of Things & Sensors   Big Sound microphone module	20	
Internet of Things & Sensors   Big Sound microphone   module	20	
Internet of Things & Sensors   Big Sound microphone   mod ule	10	
Total National Science   Soil Moisture Sensor module	10	
Touch Sensor  Touch Sensor  Touch Sensor  Metal Touch Sensor  Module  Plinternet of Things & Sensors  Rain Drop Sensor  Rain Rain Rain Rain Rain Rain Rain Rain	6	
Internet of Things & Sensors   Module	6	
Internet of Things & Sensors   Rain Drop Sensor	6	
Internet of Things & Sensors  Water Flow Sensor  Internet of Things & Sensors  Internet of Thing	6	
Internet of Things & Sensors   Temperature Sensor	6	
Internet of Things & Sensors   Force Pressure Sensor	6	
Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  82 Internet of Things & Sensors  83 Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  80 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  82 Internet of Things & Sensors  83 Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  82 Internet of Things & Sensors  83 Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  81	40	
84 Internet of Things & Sensors	4	
85 Internet of Things & Sensors Water Flow Sensor  86 Internet of Things & Sensors Sound Sensor  87 Internet of Things & Sensors For Line Enllowing  88 Internet of Things & Sensors Power Bank  89 Internet of Things & Sensors RFID Reader - Tags  90 Internet of Things & Sensors Sensors Sensors RF Modules Tx & Rx 315 MHz ASK  91 Robotics Stepper motor with Driver board	4	
86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  89 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  82 Internet of Things & Sensors  83 Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  80 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  82 Internet of Things & Sensors  83 Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  88 Internet of Things & Sensors  89 Internet of Things & Sensors  80 Internet of Things & Sensors  81 Internet of Things & Sensors  82 Internet of Things & Sensors  83 Internet of Things & Sensors  84 Internet of Things & Sensors  85 Internet of Things & Sensors  86 Internet of Things & Sensors  87 Internet of Things & Sensors  90 Internet of Things & Sensors  91 Internet of Things & Sensors  92 Internet of Things & Sensors  93 Internet of Things & Sensors  94 Internet of Things & Sensors  95 Internet of Things & Sensors  96 Internet of Things & Sensors  97 Internet of Things & Sensors  98 Internet of Things & Sensors  90 Internet of Things & Sensors	4	
R Sensors Array module	10	
88 Internet of Things & Sensors Power Bank  89 Internet of Things & Sensors RFID Reader - Tags  90 Internet of Things & Sensors MHz ASK  91 Robotics Stepper motor with Driver board	10	
89 Internet of Things & Sensors RFID Reader - Tags  90 Internet of Things & Sensors RF Modules Tx & Rx 315 MHz ASK  91 Robotics Stepper motor with Driver board		
90 Internet of Things & Sensors RF Modules Tx & Rx 315 MHz ASK  91 Robotics Stepper motor with Driver board	5	
90 Internet of Things & Sensors MHz ASK  91 Robotics Stepper motor with Driver board	10	
91 Robotics board	10	
92 Robotics DC motor	10	
	20	
93 Robotics Servo motors	10	
94 Robotics Servo motors	10	
95 Robotics Servo motors	10	
96 Robotics Servo motors	20	
97 Robotics 150 RPM BO Motor	10	
98 Robotics L298P Motor Driver	10	

			elopment, Robotics, Internet of Things	Rate	Quantity	Amount
S. No.	Category	Name	Specification	nate	Quantity	Allount
00	Robotics	Servo Motor			4	
99	99 Robotics	Tester				
100	DIY Kit	Robotics DIV Kit			3	
404	DIV IV:	Mechanical (Modular)			5	
101	DIY Kit	Construction kit				
102	STEM	Drone Kit			1	
102	Learn ing/ App lication Kit	Dione in				
103	Robotics DIY KIT	Aerospace Kit			1	
					+	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
					-	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
					1	
108	Robotics DIY KIT	Bio Tech Kit			1	
		Other Potential STEM			1	
109	Robotics DIY KIT	Application Kit			•	
			TOTAL			

Rupees in word (	 
	_) Only
Signature	
Name of Proprietor	
Firm Seaf	



#### Part – IX BILL OF QUANTITIES



FOR Govt, Darlung High School

		Package 1 : Electronics Name	Development , Robotics, Internet of Things , Specification	Rate	Quantity	Amount
No.	Category				30	
1	Electronics Development	Arduino Uno or equivalent  Arduino Nano or				
2	Electronics Development	equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry PI			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	W.
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27	Electronics Development	LDR Module			30	
28	Electronics Development	Keypad			10	
29	Electronics Development	Joystick			10	
30	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	

		Package 1 : Electronics	Development , Robotics, Internet of Things And S	Sensors		Amount 3
S. No.	Category	Name	Specification	Rate	Quantity	Amount
32	Electronics Development	Motor driver Module			10	
33	Electronics Development	Sound Playback Module			10	
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable	·		400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch Module			10	
56	Internet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57	Internet of Things & Sensors	Triple Axis Magnetometer			10	
58	Internet of Things & Sensors	Humidity Sensor			10	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series			3	
63	Internet of Things & Sensors	M Q Series			3	
64	Internet of Things & Sensors	M Q Series	_		3	
L		1	Bill of Quantities			

1 45.35			Development , Robotics, Internet of Things And Specification	Sensors Rate	Quantity	Amoune
S. No.	Category	Name	Specification		3	WENTER PARTY
65	Internet of Things & Sensors	M Q Series				Similar to
66	Internet of Things & Sensors	M Q Series			3	
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	Ultrasonic Sensor Module HC-SR-04 or			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	for Line			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	
91	Robotics	Stepper motor with Driver board			10	
92	Robotics	DC motor			20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	5 Robotics	Servo motors			20	
97	7 Robotics	150 RPM BO Motor			10	
1 -	i					

أحجت		Package 1 : Electronics Devel	Specification	Rate	Quantity	Amount
No.	Category	Name				
98	Robotics	L298P Motor Driver			10	
		Servo Motor			4	
99	Robotics	Tester			-	
100	DIY Kit	Robotics DIV Kit			3	
		Mechanical (Modular)			5	
101	DIY Kit	Construction kit				
	STEM	Drone Kit			1	
102	Learn ing/ App lication Kit	Drone Kit		_		
102	Robotics DIY KIT	Aerospace Kit			1	
103	RODORES DIT INT					
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
					1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
		D. Turk Kin			1	
108	Robotics DIY KIT	Bio Tech Kit				
	T. I. I. DIVINT	Other Potential STEM			1 1	
109	Robotics DIY KIT	Application Kit				
			TOTAL			

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<del>- 1</del>	Cotesser	Name	opment, Robotics, Internet of Thing Specification	Rate	Quantity	Amount
2.	Category				30	
	Electronics Development	Arduino Uno or equivalent			30	
	Electronics Development	Arduino Nano or equivalent			10	
	Electronics Development	Arduino Mega or equivalent			10	
	Electronics Development	Raspberry PI			5	
,	Electronics Development	Breadboards & Mini Breadboard			30	
,	Electronics Development	Breadboards & Mini Breadboard			20	
,	Electronics Development	Breadboards & Mini Breadboard		·	20	
3	Electronics Development	General Purpose solderable Board			30	
)	Electronics Development	General Purpose solderable Board			30	
0	Electronics Development	Berg Strips			30	
1	Electronics Development	Berg Strips			30	
.2	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
.4	Electronics Development	USB Cables			10	
	Electronics Development	Battery			10	
.6	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
.9	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
 27	Electronics   Development	LDR Module			30	
28	Electronics Development	Keypad			10	
29	Electronics Development	Joystick			10	
<del></del> -	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	

- 4			Development , Robotics, Internet of Things And S Specification	ensors Rate	Quantity	Amb Ect
. No.	Category	Name Name	specification	Nate	10	GRA SAMOSA
32	Electronics Development	Motor driver Module		······		SAIKS
33	Electronics Development	Sound Playback Module			10	
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch Module			10	
56	Internet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57	Internet of Things & Sensors	Triple Axis Magnetometer			10	
58	Internet of Things & Sensors	Humidity Sensor			10	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series			3	
63	Internet of Things & Sensors	M Q Series			3	
64	Internet of Things & Sensors	M Q Series			3	
			Bill of Quantities		1	

Tender Document for Supply of Lab Equipment for Atal Tinkering Lab, Installation Training Package 1: Electronics Development, Robotics, Internet of Things And Sensors Rate Quantity Specification Name S. No Category 3 Internet of Things & Sensors M Q Series 65 3 Internet of Things & Sensors M Q Series 66 10 Internet of Things & Sensors IR transmitter/receiver 67 Jitrasonic Sensor Module 40 HC-SR-04 or 68 Internet of Things & Sensors mnatihle 10 69 Internet of Things & Sensors Triple Axis accelerometer-PIR Motion Detector 20 70 Internet of Things & Sensors Module 4 Pulse Rate Heart Sensor 71 Internet of Things & Sensors 20 72 Internet of Things & Sensors Relay Module 20 73 Internet of Things & Sensors Relay Module Big Sound microphone 10 74 Internet of Things & Sensors module Big Sound microphone 10 75 Internet of Things & Sensors mod ule Soil Moisture Sensor 6 76 Internet of Things & Sensors module 6 77 Internet of Things & Sensors Touch Sensor Metal Touch Sensor 6 Internet of Things & Sensors 78 Module 6 Internet of Things & Sensors Rain Drop Sensor 79 6 Internet of Things & Sensors Flex Sensor 80 6 Internet of Things & Sensors Temperature Sensor 81 Temperature and humidity 40 Internet of Thin gs & Sensors 82 sensor module 4 Internet of Things & Sensors Force Pressure Sensor 83 Colour 4 Internet of Things & Sensors 84 Recognit ion Sensor 4 Internet of Things & Sensors Water Flow Sensor 85 10 Internet of Things & Sensors Sound Sensor 86 IK Sensors Array module 10 Internet of Things & Sensors for Line 87 منسماله 5 Internet of Things & Sensors Power Bank 88 10 RFID Reader - Tags Internet of Things & Sensors 89 RF Modules Tx & Rx 315 10 90 Internet of Things & Sensors MHz ASK Stepper motor with Driver 10 91 Robotics board 20 DC motor 92 Robotics 10 93 Robotics Servo motors 10 94 Robotics Servo motors 10 95 Robotics Servo motors 20 Servo motors Robotics 96

150 RPM BO Motor

97

Robotics

10

. No.	Category	Name	Specification	Rate	Quantity	Amount
98	Robotics	L298P Motor Driver			10	
99	Robotics	Servo Motor Tester			4	MACCO 1
100	DIY Kit	Robotics DIV Kit			3	
101	DIY Kit	Mechanical (Modular) Construction kit			5	
102	STEM Learn ing/ App lication Kit	Drone Kit			1	<del></del>
103	Robotics DIY KIT	Aerospace Kit			1	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM Application Kit			1	
			TOTAL			

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### Part – IX BILL OF QUANTITIES

#### FOR Govt. Rawpuichhip High School



1			s Development , Robotics, Internet of Things And	Rate	Quantity	Amount
No.	Category	Name	Specification	Kate	Quantity	Amount
1	Electronics Development	Arduino Uno or equivalent			30	
2	Electronics Development	Arduino Nano or equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry PI			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27	Electronics Development	LDR Module			30	
28	Electronics Development	Keypad			10	
29	Electronics Development	Joystick			10	
30	Electronics Development	Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	

7			Development, Robotics, Internet of Things And	Sensors Rate	Quantity	Amount
. No.	Category	Name	Specification	Nate	10	Sant S
32	Electronics bevelopment	Motor driver Module				
33	Electronics Davelonment	Sound Playback Module			10	
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch			10	
56	Internet of Things & Sensors	IR Sensors, Obstacle			20	
57	Internet of Things & Sensors	Triple Axis Magnetometer			10	
58	Internet of Things & Sensors	Humidity Sensor			10	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series			3	
63	Internet of Things & Sensors	M Q Series			3	
	Internet of Things & Sensors	M Q Series			3	
64	internet or timiles & sensors	IVI QUOTES	Bill of Quantities	Д		1

100 in the		Package 1 : Electronic	s Development, Robotics, Internet of Things And	Sensors		18/ 0
S. No.	Category	Name	Specification	Rate	Quantity	Amount
65	Internet of Things & Sensors	M Q Series			3	STIKSH
66	Internet of Things & Sensors	M Q Series			3	
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	Ultrasonic Sensor Module HC-SR-04 or			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity sensor module			40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	for Line			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90	Internet of Things & Sensors	RF Modules Tx & Rx 315 MHz ASK			10	, , , , , , , , , , , , , , , , , , , ,
91	Robotics	Stepper motor with Driver board			10	
92	Robotics	DC motor			20	
93	Robotics	Servo motors			10	
94	Robotics	Servo motors			10	
95	Robotics	Servo motors			10	
96	Robotics	Servo motors			20	
97	Robotics	150 RPM BO Motor			10	
1		<u> </u>				

. No.	Category	Name	Specification	Rate	Quantity	Amount
98	Robotics	L298P Motor Driver			10	
99	Robotics	Servo Motor Tester			4	
100	DIY Kit	Robotics DIV Kit			3	
101	DIY Kit	Mechanical (Modular) Construction kit			5	
102	STEM Learn ing/ App lication Kit	Drone Kit			1	
103	Robotics DIY KIT	Aerospace Kit			1	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM Application Kit			1	
			TOTAL			

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## Part – IX BILL OF QUANTITIES

#### FOR Darlak RMSA Secondary School

	Package 1 : Electronics Development , Robotics, Internet of Things And Sensors  Package 1 : Electronics Development , Robotics, Internet of Things And Sensors					
. No.	Category	Name	Specification	Rate	Quantity	Amount
	Electronics Development	Arduino Uno or equivalent			30	
2	Electronics Development	Arduino Nano or equivalent			10	
3	Electronics Development	Arduino Mega or equivalent			10	
4	Electronics Development	Raspberry PI			5	
5	Electronics Development	Breadboards & Mini Breadboard			30	
6	Electronics Development	Breadboards & Mini Breadboard			20	
7	Electronics Development	Breadboards & Mini Breadboard			20	
8	Electronics Development	General Purpose solderable Board			30	
9	Electronics Development	General Purpose solderable Board			30	
10	Electronics Development	Berg Strips			30	
11	Electronics Development	Berg Strips			30	
12	Electronics Development	16x2 LCD display			20	
13	Electronics Development	USB Cables			10	
14	Electronics Development	USB Cables			10	
15	Electronics Development	Battery			10	
16	Electronics Development	Resistor Kit			20	
17	Electronics Development	Capacitor Kit			20	
18	Electronics Development	Linear Voltage Regulator			30	
19	Electronics Development	Water Pump module			4	
20	Electronics Development	Piezoelectric Plate			30	
21	Electronics Development	8*8 LED Matrix Module			10	
22	Electronics Development	Bluetooth module			15	
23	Electronics Development	7 Segment Led Display			20	
24	Electronics Development	GSM			4	
25	Electronics Development	GPS			4	
26	Electronics Development	Laser Diode Emitter			10	
27	Electronics   Development	LDR Module			30	
28	Flectronics	Keypad			10	
29	Flectronics	Joystick			10	
30		Active Buzzer			40	
31	Electronics Development	Active Buzzer			40	

28 X 3	77.		Development , Robotics, Internet of Things And		0	Antount
5. No.	Category	Name	Specification	Rate	Quantity	Amount
32	Electronics Development	Motor driver Module			10	STAN STANSHU
33	Electronics Development	Sound Playback Module			10	- MOIV
34	Electronics Development	DC Plastic Gear motor with wheel			40	
35	Electronics Development	Node MCU			6	
36	Electronics Development	WeMos D1 R2			6	
37	Electronics Development	Vibrating Motor			20	
38	Electronics Development	Alligator Connectors			200	
39	Electronics Development	Battery clips with DC Jack			40	
40	Electronics Development	Hook-up Wires			4	
41	Electronics Development	Jumper Cable			1000	
42	Electronics Development	Jumper Cable			600	
43	Electronics Development	Jumper Cable			400	
44	Electronics Development	RGB LEDs			400	
45	Electronics Development	LEDs (Red)			1000	
46	Electronics Development	LEDs (Green)			1000	
47	Electronics Development	LEDs (Blue)			1000	
48	Electronics Development	LEDs (Yellow)			1000	
49	Electronics Development	LEDs (White)			1000	
50	Electronics Development	Timer IC- LM 555			30	
51	Electronics Development	Atmega16u2			10	
52	Electronics Development	Diodes and Transistors Kit			3	
53	Electronics Development	Button Switch Set			3	
54	Electronics Development	Capacitative touch Module			20	
55	Electronics Development	Capacitative Touch Switch Module			10	
56	Internet of Things & Sensors	IR Sensors, Obstacle avoider sensor module			20	
57	Internet of Things & Sensors	Triple Axis Magnetometer			10	
58	Internet of Things & Sensors	Humidity Sensor			10	
59	Internet of Things & Sensors	M Q Series			3	
60	Internet of Things & Sensors	M Q Series			3	
61	Internet of Things & Sensors	M Q Series			3	
62	Internet of Things & Sensors	M Q Series			3	
63	Internet of Things & Sensors	M Q Series			3	
64	Internet of Things & Sensors	M Q Series			3	
	1	•	Bill of Quantities			

Kasa I			Development, Robotics, Internet of Things And	Sensors Rate	Quantity	Amount A
S. No.	Category	Name	Specification	Nate		18/
65	Internet of Things & Sensors	M Q Series			3	ASMA
66	Internet of Things & Sensors	M Q Series			3	
67	Internet of Things & Sensors	IR transmitter/receiver			10	
68	Internet of Things & Sensors	Ultrasonic Sensor Module HC-SR-04 or compatible			40	
69	Internet of Things & Sensors	Triple Axis accelerometer-			10	
70	Internet of Things & Sensors	PIR Motion Detector Module			20	
71	Internet of Things & Sensors	Pulse Rate Heart Sensor			4	
72	Internet of Things & Sensors	Relay Module			20	
73	Internet of Things & Sensors	Relay Module			20	
74	Internet of Things & Sensors	Big Sound microphone module			10	
75	Internet of Things & Sensors	Big Sound microphone mod ule			10	
76	Internet of Things & Sensors	Soil Moisture Sensor module			6	
77	Internet of Things & Sensors	Touch Sensor			6	
78	Internet of Things & Sensors	Metal Touch Sensor Module			6	
79	Internet of Things & Sensors	Rain Drop Sensor			6	
80	Internet of Things & Sensors	Flex Sensor			6	
81	Internet of Things & Sensors	Temperature Sensor			6	
82	Internet of Thin gs & Sensors	Temperature and humidity	/		40	
83	Internet of Things & Sensors	Force Pressure Sensor			4	
84	Internet of Things & Sensors	Colour Recognit ion Sensor			4	
85	Internet of Things & Sensors	Water Flow Sensor			4	
86	Internet of Things & Sensors	Sound Sensor			10	
87	Internet of Things & Sensors	TR Sensors Array module for Line			10	
88	Internet of Things & Sensors	Power Bank			5	
89	Internet of Things & Sensors	RFID Reader - Tags			10	
90		RF Modules Tx & Rx 315			10	
91		MHz ASK Stepper motor with Drive	7		10	1
92		board DC motor			20	
93		Servo motors			10	
		Servo motors			10	
94		Servo motors			10	
95					20	
96		Servo motors			10	
97	Robotics	150 RPM BO Motor				

No.	Category	Name	Specification	Rate	Quantity	Amount
98	Robotics	L298P Motor Driver			10	
99	Robotics	Servo Motor Tester			4	
100	DIY Kit	Robotics DIV Kit			3	
101	DIY Kit	Mechanical (Modular) Construction kit			5	
102	STEM Learn ing/ App lication Kit	Drone Kit			1	
103	Robotics DIY KIT	Aerospace Kit			1	
104	Robotics DIY KIT	Automobile Kit			1	
105	Robotics DIY KIT	Bio-Medical Kit			1	
106	Robotics DIY KIT	Agri-Tech Kit			1	
107	Robotics DIY KIT	Water/ Sanitat ion Kit			1	
108	Robotics DIY KIT	Bio Tech Kit			1	
109	Robotics DIY KIT	Other Potential STEM Application Kit			1	
			TOTAL			

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OR	Package 2: Rapid Prototyping Tools						
S. No.	Category	Name	Description	Rate	Quantity	Amount	
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1		
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1		
3	Rapid Prototyping Tools	Filament for 3D printer			5		
4	Rapid Prototyping Tools	Filament Storage Box			5		
5	Rapid Prototyping Tools				5		
6	Rapid Prototyping Tools				1PCK		
7	Rapid Prototyping Tools				1PCK		
8	Rapid Prototyping Tools				2		
			TOTAL				

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OR	R Govt. Marpara High School Package 2: Rapid Prototyping Tools						
S. No.	Category	Name	Description	Rate	Quantity	Amount	
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1		
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1		
3	Rapid Prototyping Tools	Filament for 3D printer			5		
4	Rapid Prototyping Tools	Filament Storage Box			5		
5	Rapid Prototyping Tools				5		
6	Rapid Prototyping Tools				1РСК		
7	Rapid Prototyping Tools				1PCK		
8	Rapid Prototyping Tools				2		
			TOTAL				

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FOR Govt. Kawrtethawveng High School Package 2: Rapid Prototyping Tools Quantity Amount Description Rate Name S. No. Category 3D Printer Kit and tools 1 Rapid Prototyping Tools (Ender 3) Rapid Dedicated UPS/Power back 1 2 **Prototyping Tools** 5 Filament for 3D printer 3 Prototyping Tools Rapid 5 4 Filament Storage Box Prototyping Tools 5 Rapid Prototyping Tools 5 1PCK 6 Rapid Prototyping Tools 1PCK Rapid Prototyping Tools 7 2 Rapid Prototyping Tools 8 TOTAL

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Name of Proprietor		
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OR	Rajiv Wagar Kivisa Secondary	Rajiv Nagar RMSA Secondary School Package 2: Rapid Prototyping Tools						
S. No.	Category	Name Name	Description	Rate	Quantity	Amount		
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1			
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1			
3	Rapid Prototyping Tools	Filament for 3D printer			5			
4	Rapid Prototyping Tools	Filament Storage Box			5			
5	Rapid Prototyping Tools				5			
6	Rapid Prototyping Tools				1РСК			
7	Rapid Prototyping Tools				1PCK			
8	Rapid Prototyping Tools				2			
			TOTAL					

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R Govt. Rengdil High School  Package 2: Rapid Prototyping Tools  Rate Quantity Amount						
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1	
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1	
3	Rapid Prototyping Tools	Filament for 3D printer			5	
4	Rapid Prototyping Tools	Filament Storage Box			5	
5	Rapid Prototyping Tools				5	
6	Rapid Prototyping Tools				1PCK	
7	Rapid Prototyping Tools				1PCK	
8	Rapid Prototyping Tools				2	
			TOTAL			

Rupees in	word (		
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	Signature		
	Name of Proprietor		
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FOR Silsury Secondary School Package 2: Rapid Prototyping Tools						
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1	
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1	
3	Rapid Prototyping Tools	Filament for 3D printer			5	
4	Rapid Prototyping Tools	Filament Storage Box			5	
5	Rapid Prototyping Tools				5	
6	Rapid Prototyping Tools				1PCK	
7	Rapid Prototyping Tools				1PCK	
8	Rapid Prototyping Tools				2	
			TOTAL			

Rupees ir	n word (	 <u> </u>
		 ) Only
	Signature	
	Name of Proprietor	
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		Package 2: Rapi	d Prototyping Tools			
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1	
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1	
3	Rapid Prototyping Tools	Filament for 3D printer			5	
4	Rapid Prototyping Tools	Filament Storage Box			5	
5	Rapid Prototyping Tools				5	
6	Rapid Prototyping Tools				1РСК	
7	Rapid Prototyping Tools				1PCK	
8	Rapid Prototyping Tools				2	
			TOTAL			

Rupees in word (		
	) Only	
Signature		
Name of Proprietor		
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OR	ovt. Phuldungsei High School Package 2: Rapid Prototyping Tools						
				Rate	Quantity	Amount	
S. No.	Category	Name	Description	Rate	Quantity	Amount	
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1		
2	Rapid Prototyping Tools	Dedicated UPS/Power back up			1	·····	
3	Rapid Prototyping Tools	Filament for 3D printer			5		
4	Rapid Prototyping Tools	Filament Storage Box			5		
5	Rapid Prototyping Tools				5		
6	Rapid Prototyping Tools				1РСК		
7	Rapid Prototyping Tools				1PCK		
8	Rapid Prototyping Tools				2		
			TOTAL				

Rupees in	word (	
		_) Only
	Signature	
	Name of Proprietor	
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Govt. Rawpuichhip High School FOR Package 2: Rapid Prototyping Tools S. No. Category Name Rate Quantity Description Amount 3D Printer Kit and tools 1 Rapid Prototyping Tools 1 (Ender 3) Rapid Dedicated UPS/Power back 2 1 Prototyping Tools Rapid Filament for 3D printer 3 5 Prototyping Tools Rapid 4 Filament Storage Box 5 Prototyping Tools 5 Rapid Prototyping Tools 5 6 Rapid Prototyping Tools 1PCK 7 Rapid Prototyping Tools 1PCK 8 Rapid Prototyping Tools 2 TOTAL

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Signature					
Name of Propri	etor	***************************************			
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)R		Package 2: Rapi	d Prototyping Tools		<del></del>	
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Rapid Prototyping Tools	3D Printer Kit and tools (Ender 3)			1	
2	Rapid Prototyping Tools	Dedicated UPS/Power back- up			1	
3	Rapid Prototyping Tools	Filament for 3D printer			5	
4	Rapid Prototyping Tools	Filament Storage Box			5	
5	Rapid Prototyping Tools				5	
6	Rapid Prototyping Tools				1РСК	
7	Rapid Prototyping Tools				1РСК	
8	Rapid Prototyping Tools				2	
			TOTAL			

Rupees in word (						
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Name of Proprietor						
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FOR	Govt.	Mamit	High	School
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FOR						
S. No.	Category	Package 3: M	Description	Rate	Quantity	Amount
1	Mechanical Tools	Hacksaw Frame			1	
2	Mechanical Tools	Hacksaw blades			10	
3	Mechanical Tools	Mini Hacksaw Frame			1	
4	Mechanical Tools	Mini Hacksaw blades			10	
5	Mechanical Tools				1	
6	Mechanical Tools				1	
7	Mechanical Tools			····	1	
8	Mechanical Tools	Pliers: 4.5-inch size			1	
9	Mechanical Tools				1	
10	Mechanical Tools				1	
11	Mechanical Tools				1	
12	Mechanical Tools	Tweezer Set			2	
13	Mechanical Tools	Ball Pein Hammer			1	
14	Mechanical Tools	Steel Shaft Claw Hammer			1	
15	Mechanical Tools	C-Clam p			4	
16	Mechanical Tools	Allen Key Set			1	
17	Mechanical Tools	Drill Machine Set			1	
18	Mechanical Tools	Drilling Workstation			1	
19	Mechanical Tools	Spanner Set			1	
20	Mechanical Tools	Vice Normal			1	
21	Mechanical Tools	Precision Screw Driver Set			2	
22	Mechanical Tools	Wrench			2	
23	Mechanical Tools	Wire Strippers			5	
24	Mechanical Tools	Screwdriver		·	3	
25	Mechanical Tools	Cordless Rotary Multitool Set			1	
26	Mechanical Tools	Air Blower			1	
27	Mechanical Tools	Drill Bit Set			1	
28	Mechanical Tools	File set			1	
29	Mechanical Tools	Mini File set			1	
30	Mechanical Tools	Flexible Cutting Mat			1	
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2	
32	Mechanical Tools	Pegboard			2	

	Package 3: Mechanical, Electrical and Measurement tools						
S. No.	Category	Name	Description	Rate	Quantity	Amount	
33	Electric Tools	Hot glue gun			4		
34	Electric Tools	Digital Oscilloscope			1		
35	Electric Tools	Soldering Kit			2		
36	Electric Tools	Soldering Kit			4		
37	Electric Tools	Soldering Kit			4		
38	Electric Tools	Soldering Kit			4		
39	Electric Tools	Soldering Kit			4		
40	Electric Tools	Adapters			10		
41	Electric Tools	Adapters			10		
42	Electric Tools	Electric Screw Driver Set			1		
43	Electric Tools	Dual Temperature Heat Gun			1		
44	Electric Tools	Soldering Helping hand			4		
45	Measurement Tools	Return measuring tape			2		
46	Measurement Tools	Stainless Steel Rule			5		
47	Measurement Tools	Digital Vernier Calliper			2		
48	Measurement Tools	Spirit Level			1		
49	Measurement Tools	Digital Pen electric Tester			1		
50	Measurement Tools	Digital Multi Meter			5		
51	Biology Kit	DIY Paper Microscope			5		
52	Astronomy Equipment	Telescope			1		
53	Textile Equipment	Sewing Kit			1		
			TOTAL				

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No.   Category   Name	FOR							
1 Mechanical Tools Hacksaw Frame	S. No.	Category	- <del></del>			Quantity	Amount	
Mechanical Tools			Hacksaw Frame			1		
Mechanical Tools	2	Mechanical Tools	Hacksaw blades			10		
5         Mechanical Tools         1           6         Mechanical Tools         1           7         Mechanical Tools         1           8         Mechanical Tools         1           9         Mechanical Tools         1           10         Mechanical Tools         1           11         Mechanical Tools         1           12         Mechanical Tools         1           13         Mechanical Tools         Sall Pein Hammer         1           14         Mechanical Tools         Steel Shalt Claw Hammer         1           15         Mechanical Tools         C-Clam p         4           16         Mechanical Tools         C-Clam p         4           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Wrench         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wrench Strip	3	Mechanical Tools	Mini Hacksaw Frame			1		
6	4	Mechanical Tools	Mini Hacksaw blades			10		
7   Mechanical Tools	5	Mechanical Tools				1		
Mechanical Tools	6	Mechanical Tools				1		
Mechanical Tools	7	Mechanical Tools				1		
10   Mechanical Tools	8	Mechanical Tools	Pliers: 4.5-inch size			1		
11   Mechanical Tools	9	Mechanical Tools				1		
12         Mechanical Tools         Tweezer Set         2           13         Mechanical Tools         Ball Pein Hammer         1           14         Mechanical Tools         Steel Shaft Claw Hammer         1           15         Mechanical Tools         C-Clam p         4           16         Mechanical Tools         Allen Key Set         1           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Vice Normal         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Air Blower         1           28         Mechanical Tools         File s	10	Mechanical Tools				1		
13   Mechanical Tools   Ball Pein Hammer   1   1   1   1   1   1   1   1   1	11	Mechanical Tools				1		
14         Mechanical Tools         Steel Shaft Claw Hammer         1           15         Mechanical Tools         C-Clam p         4           16         Mechanical Tools         Allen Key Set         1           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wire Strippers         5           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools <td>12</td> <td>Mechanical Tools</td> <td>Tweezer Set</td> <td></td> <td></td> <td>2</td> <td></td>	12	Mechanical Tools	Tweezer Set			2		
15   Mechanical Tools   CClam p	13	Mechanical Tools	Ball Pein Hammer			1		
16         Mechanical Tools         Allen Key Set         1           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Air Blower         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	14	Mechanical Tools	Steel Shaft Claw Hammer			1		
17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Cordless Rotary Multitool Set         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	15	Mechanical Tools	C-Clam p			4		
18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Cordless Rotary Multitool Set         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	16	Mechanical Tools	Allen Key Set			1		
19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Cordless Rotary Multitool Set         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	17	Mechanical Tools	Drill Machine Set			1		
20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Cordless Rotary Multitool Set         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	18	Mechanical Tools	Drilling Workstation			1		
21       Mechanical Tools       Precision Screw Driver Set       2         22       Mechanical Tools       Wrench       2         23       Mechanical Tools       Wire Strippers       5         24       Mechanical Tools       Screwdriver       3         25       Mechanical Tools       Cordless Rotary Multitool Set       1         26       Mechanical Tools       Air Blower       1         27       Mechanical Tools       Drill Bit Set       1         28       Mechanical Tools       File set       1         29       Mechanical Tools       Mini File set       1         30       Mechanical Tools       Flexible Cutting Mat       1         31       Mechanical Tools       Plastic Storage Drawer / Organiser       2	19	Mechanical Tools	Spanner Set			1		
22       Mechanical Tools       Wrench       2         23       Mechanical Tools       Wire Strippers       5         24       Mechanical Tools       Screwdriver       3         25       Mechanical Tools       Cordless Rotary Multitool Set       1         26       Mechanical Tools       Air Blower       1         27       Mechanical Tools       Drill Bit Set       1         28       Mechanical Tools       File set       1         29       Mechanical Tools       Mini File set       1         30       Mechanical Tools       Flexible Cutting Mat       1         31       Mechanical Tools       Plastic Storage Drawer / Organiser       2	20	Mechanical Tools	Vice Normal			1		
Mechanical Tools  Wire Strippers  5  Mechanical Tools  Cordless Rotary Multitool Set  Mechanical Tools  Air Blower  Drill Bit Set  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mini File set  Mechanical Tools  Mechanical Tools  Plastic Storage Drawer / Organiser	21	Mechanical Tools	Precision Screw Driver Set			2		
Mechanical Tools  Screwdriver  Mechanical Tools  Mechanical Tools  Air Blower  Drill Bit Set  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  File set  Mechanical Tools  Mini File set  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mechanical Tools  Mini File set  Mechanical Tools  Mechanical Tools  Mechanical Tools  Plastic Storage Drawer / Organiser  Mechanical Tools  Plastic Storage Drawer / Organiser	22	Mechanical Tools	Wrench			2		
25 Mechanical Tools Cordless Rotary Multitool Set 1  26 Mechanical Tools Air Blower 1  27 Mechanical Tools Drill Bit Set 1  28 Mechanical Tools File set 1  29 Mechanical Tools Mini File set 1  30 Mechanical Tools Flexible Cutting Mat 1  31 Mechanical Tools Plastic Storage Drawer / Organiser 2	23	Mechanical Tools	Wire Strippers			5		
Set	24	Mechanical Tools	Screwdriver			3		
27       Mechanical Tools       Drill Bit Set       1         28       Mechanical Tools       File set       1         29       Mechanical Tools       Mini File set       1         30       Mechanical Tools       Flexible Cutting Mat       1         31       Mechanical Tools       Plastic Storage Drawer / Organiser       2	25	Mechanical Tools	1			1		
28 Mechanical Tools File set 1  29 Mechanical Tools Mini File set 1  30 Mechanical Tools Flexible Cutting Mat 1  31 Mechanical Tools Plastic Storage Drawer / Organiser 2	26	Mechanical Tools	Air Blower			1		
29 Mechanical Tools Mini File set 1  30 Mechanical Tools Flexible Cutting Mat 1  31 Mechanical Tools Plastic Storage Drawer / Organiser 2	27	Mechanical Tools	Drill Bit Set			1		
30 Mechanical Tools Flexible Cutting Mat 1  31 Mechanical Tools Plastic Storage Drawer / Organiser 2	28	Mechanical Tools	File set			1		
31 Mechanical Tools Plastic Storage Drawer / Organiser 2	29	Mechanical Tools	Mini File set			1		
31 Mechanical Tools Organiser 2	30	Mechanical Tools	Flexible Cutting Mat			1		
	31	Mechanical Tools				2		
	32	Mechanical Tools				2		

	Package 3: Mechanical, Electrical and Measurement tools							
S. No.	Category	Name	Description	Rate	Quantity	Amount		
33	Electric Tools	Hot glue gun			4			
34	Electric Tools	Digital Oscilloscope			1			
35	Electric Tools	Soldering Kit			2			
36	Electric Tools	Soldering Kit			4			
37	Electric Tools	Soldering Kit			4			
38	Electric Tools	Soldering Kit			4			
39	Electric Tools	Soldering Kit			4	· · · · · · · · · · · · · · · · · · ·		
40	Electric Tools	Adapters			10			
41	Electric Tools	Adapters			10			
42	Electric Tools	Electric Screw Driver Set			1			
43	Electric Tools	Dual Temperature Heat Gun			1	· · · · · · · · · · · · · · · · · · ·		
44	Electric Tools	Soldering Helping hand			4			
45	Measurement Tools	Return measuring tape			2			
46	Measurement Tools	Stainless Steel Rule			5			
47	Measurement Tools	Digital Vernier Calliper			2			
48	Measurement Tools	Spirit Level			1	***		
49	Measurement Tools	Digital Pen electric Tester			1			
50	Measurement Tools	Digital Multi Meter			5			
51	Biology Kit	DIY Paper Microscope			5			
52	Astronomy Equipment	Telescope			1			
53	Textile Equipment	Sewing Kit			1			
			TOTAL					

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FOR	Govt. Kawrtethawveng High School	

	FOR Govt. Kawrtethawveng High School Package 3: Mechanical, Electrical and Measurement tools					
S. No.	Category	Name Package 3: I	Description	Rate	Quantity	Amount
1	Mechanical Tools	Hacksaw Frame			1	
2	Mechanical Tools	Hacksaw blades			10	
3	Mechanical Tools	Mini Hacksaw Frame			1	
4	Mechanical Tools	Mini Hacksaw blades			10	
5	Mechanical Tools				1	
6	Mechanical Tools				1	
7	Mechanical Tools				1	
8	Mechanical Tools	Pliers: 4.5-inch size			1	
9	Mechanical Tools				1	
10	Mechanical Tools				1	
11	Mechanical Tools				1	
12	Mechanical Tools	Tweezer Set			2	
13	Mechanical Tools	Ball Pein Hammer			1	
14	Mechanical Tools	Steel Shaft Claw Hamme	r		1	
15	Mechanical Tools	C-Clam p			4	
16	Mechanical Tools	Allen Key Set			1	
17	Mechanical Tools	Drill Machine Set			1	
18	Mechanical Tools	Drilling Workstation			1	
19	Mechanical Tools	Spanner Set			1	
20	Mechanical Tools	Vice Normal			1	
21	Mechanical Tools	Precision Screw Driver Sc	et		2	
22	Mechanical Tools	Wrench			2	
23	Mechanical Tools	Wire Strippers			5	
24	Mechanical Tools	Screwdriver			3	
25	Mechanical Tools	Cordless Rotary Multitod	ol .		1	
26	Mechanical Tools	Air Blower			1	
27	Mechanical Tools	Drill Bit Set			1	
28	Mechanical Tools	File set			1	
29	Mechanical Tools	Mini File set			1	
30	Mechanical Tools	Flexible Cutting Mat			1	
31	Mechanical Tools	Plastic Storage Drawer / Organiser	′		2	
32	Mechanical Tools	Pegboard			2	

Package 3: Mechanical, Electrical and Measurement tools  S. No. Category Name Description Rate Quantity Amount							
5. No.	Category	Name	Description	Rate	Quantity	Amount	
33	Electric Tools	Hot glue gun			4		
34	Electric Tools	Digital Oscilloscope			1		
35	Electric Tools	Soldering Kit			2		
36	Electric Tools	Soldering Kit			4		
37	Electric Tools	Soldering Kit			4		
38	Electric Tools	Soldering Kit			4		
39	Electric Tools	Soldering Kit			4		
40	Electric Tools	Adapters			10		
41	Electric Tools	Adapters			10		
42	Electric Tools	Electric Screw Driver Set			1		
43	Electric Tools	Dual Temperature Heat Gun			1		
44	Electric Tools	Soldering Helping hand			4		
45	Measurement Tools	Return measuring tape			2		
46	Measurement Tools	Stainless Steel Rule			5		
47	Measurement Tools	Digital Vernier Calliper			2		
48	Measurement Tools	Spirit Level			1		
49	Measurement Tools	Digital Pen electric Tester			1		
50	Measurement Tools	Digital Multi Meter			5		
51	Biology Kit	DIY Paper Microscope			5		
52	Astronomy Equipment	Telescope			1		
53	Textile Equipment	Sewing Kit			1		
			TOTAL				

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FOR Rajiv Nagar RMSA Secondary School Package 3: Mechanical, Electrical and Measurement tools						
S. No.	Category	Name	Description	Rate	Quantity	Amount
	Mechanical Tools	Hacksaw Frame			1	
2	Mechanical Tools	Hacksaw blades			10	
3	Mechanical Tools	Mini Hacksaw Frame			1	
4	Mechanical Tools	Mini Hacksaw blades			10	
5	Mechanical Tools				1	
6	Mechanical Tools				1	
7	Mechanical Tools				1	
8	Mechanical Tools	Pliers: 4.5-inch size			1	
9	Mechanical Tools				1	·
10	Mechanical Tools				1	
11	Mechanical Tools				1	
12	Mechanical Tools	Tweezer Set			2	
13	Mechanical Tools	Ball Pein Hammer			1	
14	Mechanical Tools	Steel Shaft Claw Hammer			1	
15	Mechanical Tools	C-Clam p			4	
16	Mechanical Tools	Allen Key Set			1	
17	Mechanical Tools	Drill Machine Set			1	
18	Mechanical Tools	Drilling Workstation			1	
19	Mechanical Tools	Spanner Set			1	
20	Mechanical Tools	Vice Normal			1	
21	Mechanical Tools	Precision Screw Driver Set	t		2	
22	Mechanical Tools	Wrench			2	
23	Mechanical Tools	Wire Strippers			5	
24	Mechanical Tools	Screwdriver			3	
25	Mechanical Tools	Cordless Rotary Multitool Set			1	
26	Mechanical Tools	Air Blower			1	
27	Mechanical Tools	Drill Bit Set			1	
28	Mechanical Tools	File set			1	
29	Mechanical Tools	Mini File set			1	
30	Mechanical Tools	Flexible Cutting Mat			1	
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2	
32	Mechanical Tools	Pegboard			2	1

C No	Category	Name Package 3: N	dechanical, Electrical and Measurer Description	Rate	Quantity	Amount
5. No.	Category				4	
33	Electric Tools	Hot glue gun			+	
34	Electric Tools	Digital Oscilloscope			1	
35	Electric Tools	Soldering Kit			2	
36	Electric Tools	Soldering Kit			4	
37	Electric Tools	Soldering Kit			4	
38	Electric Tools	Soldering Kit			4	
39	Electric Tools	Soldering Kit			4	
40	Electric Tools	Adapters			10	
41	Electric Tools	Adapters			10	
42	Electric Tools	Electric Screw Driver Set			1	
43	Electric Tools	Dual Temperature Heat Gun			1	
44	Electric Tools	Soldering Helping hand			4	
45	Measurement Tools	Return measuring tape			2	
46	Measurement Tools	Stainless Steel Rule			5	
47	Measurement Tools	Digital Vernier Calliper			2	
48	Measurement Tools	Spirit Level			1	
49	Measurement Tools	Digital Pen electric Tester			1	
50	Measurement Tools	Digital Multi Meter			5	
51	Biology Kit	DIY Paper Microscope			5	
52	Astronomy Equipment	Telescope			1	
53	Textile Equipment	Sewing Kit			1	
			TOTAL			

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FOR Govt. Rengdil High School

5. No.	Category	Package 3: M	echanical, Electrical and Measurement t Description	Rate	Quantity	Amount
1	Mechanical Tools	Hacksaw Frame			1	
2	Mechanical Tools	Hacksaw blades			10	
3	Mechanical Tools	Mini Hacksaw Frame			1	
4	Mechanical Tools	Mini Hacksaw blades			10	
5	Mechanical Tools				1	
6	Mechanical Tools				1	
7	Mechanical Tools				. 1	
8	Mechanical Tools	Pliers: 4.5-inch size			1	
9	Mechanical Tools				1	
10	Mechanical Tools				1	
11	Mechanical Tools				1	
12	Mechanical Tools	Tweezer Set			2	
13	Mechanical Tools	Ball Pein Hammer			1	
14	Mechanical Tools	Steel Shaft Claw Hammer			1	
15	Mechanical Tools	C-Clam p			4	
16	Mechanical Tools	Allen Key Set			1	
17	Mechanical Tools	Drill Machine Set			1	
18	Mechanical Tools	Drilling Workstation			1	
19	Mechanical Tools	Spanner Set			1	
20	Mechanical Tools	Vice Normal			1	
21	Mechanical Tools	Precision Screw Driver Set			2	
22	Mechanical Tools	Wrench			2	
23	Mechanical Tools	Wire Strippers			5	
24	Mechanical Tools	Screwdriver			3	
25	Mechanical Tools	Cordless Rotary Multitool Set			1	
26	Mechanical Tools	Air Blower			1	
27	Mechanical Tools	Drill Bit Set			1	
28	Mechanical Tools	File set			1	
29	Mechanical Tools	Mini File set			1	
30	Mechanical Tools	Flexible Cutting Mat			1	
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2	
32	Mechanical Tools	Pegboard			2	

	Package 3: Mechanical, Electrical and Measurement tools							
5. No.	Category	Name	Description	Rate	Quantity	Amount		
33	Electric Tools	Hot glue gun			4			
34	Electric Tools	Digital Oscilloscope			1			
35	Electric Tools	Soldering Kit			2			
36	Electric Tools	Soldering Kit			4			
37	Electric Tools	Soldering Kit			4			
38	Electric Tools	Soldering Kit			4			
39	Electric Tools	Soldering Kit			4			
40	Electric Tools	Adapters			10			
41	Electric Tools	Adapters			10			
42	Electric Tools	Electric Screw Driver Set			1			
43	Electric Tools	Dual Temperature Heat Gun			1			
44	Eléctric Tools	Soldering Helping hand			4			
45	Measurement Tools	Return measuring tape			2			
46	Measurement Tools	Stainless Steel Rule			5			
47	Measurement Tools	Digital Vernier Calliper			2			
48	Measurement Tools	Spirit Level			1			
49	Measurement Tools	Digital Pen electric Tester			1			
50	Measurement Tools	Digital Multi Meter			5			
51	Biology Kit	DIY Paper Microscope			5			
52	Astronomy Equipment	Telescope			1			
53	Textile Equipment	Sewing Kit			1			
			TOTAL					

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FOR	D. L. 2. Markey in J. Starting and Management tools						
S. No.	Category	Name	Description	Rate	Quantity	Amount	
1	Mechanical Tools	Hacksaw Frame			1		
2	Mechanical Tools	Hacksaw blades			10		
3	Mechanical Tools	Mini Hacksaw Frame			1		
4	Mechanical Tools	Mıni Hacksaw blades			10		
5	Mechanical Tools				1		
6	Mechanical Tools				1		
7	Mechanical Tools				1		
8	Mechanical Tools	Pliers: 4.5-inch size			1		
9	Mechanical Tools	-			1		
10	Mechanical Tools				1		
11	Mechanical Tools				1		
12	Mechanical Tools	Tweezer Set			2		
13	Mechanical Tools	Ball Pein Hammer			1		
14	Mechanical Tools	Steel Shaft Claw Hammer			1		
15	Mechanical Tools	C-Clam p			4	4. 2	
16	Mechanical Tools	Allen Key Set			1		
17	Mechanical Tools	Drill Machine Set			1		
18	Mechanical Tools	Drilling Workstation			1		
19	Mechanical Tools	Spanner Set			1		
20	Mechanical Tools	Vice Normal			1		
21	Mechanical Tools	Precision Screw Driver Set			2		
22	Mechanical Tools	Wrench			2		
23	Mechanical Tools	Wire Strippers			5		
24	Mechanical Tools	Screwdriver			3		
25	Mechanical Tools	Cordless Rotary Multitool Set			1		
26	Mechanical Tools	Air Blower			1		
27	Mechanical Tools	Drill Bit Set			1		
28	Mechanical Tools	File set			1		
29	Mechanical Tools	Mini File set			1		
30	Mechanical Tools	Flexible Cutting Mat			1		
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2		
32	Mechanical Tools	Pegboard			2		

	Package 3: Mechanical, Electrical and Measurement tools							
S. No.	Category	Name	Description	Rate	Quantity	Amount		
33	Electric Tools	Hot glue gun			4			
34	Electric Tools	Digital Oscilloscope			1			
35	Electric Tools	Soldering Kit			2			
36	Electric Tools	Soldering Kit			4			
37	Electric Tools	Soldering Kit			4			
38	Electric Tools	Soldering Kit			4			
39	Electric Tools	Soldering Kit			4			
40	Electric Tools	Adapters			10			
41	Electric Tools	Adapters			10			
42	Electric Tools	Electric Screw Driver Set			1			
43	Electric Tools	Dual Temperature Heat Gun			1			
44	Electric Tools	Soldering Helping hand			4			
45	Measurement Tools	Return measuring tape			2			
46	Measurement Tools	Stainless Steel Rule			5			
47	Measurement Tools	Digital Vernier Calliper			2			
48	Measurement Tools	Spirit Level			1			
49	Measurement Tools	Digital Pen electric Tester			1			
50	Measurement Tools	Digital Multi Meter			5			
51	Biology Kit	DIY Paper Microscope			5			
52	Astronomy Equipment	Telescope			1			
53	Textile Equipment	Sewing Kit			1			
			TOTAL					

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FOR	D. L 2 Mark and Management tools					
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Mechanical Tools	Hacksaw Frame			1	
2	Mechanical Tools	Hacksaw blades			10	
3	Mechanical Tools	Mini Hacksaw Frame			1	
4	Mechanical Tools	Mini Hacksaw blades			10	
5	Mechanical Tools				1	
6	Mechanical Tools				1	
7	Mechanical Tools				1	
8	Mechanical Tools	Pliers: 4.5-inch size			1	
9	Mechanical Tools	7			1	
10	Mechanical Tools				1	· · · · · · · · · · · · · · · · · · ·
11	Mechanical Tools				1	
12	Mechanical Tools	Tweezer Set			2	
13	Mechanical Tools	Ball Pein Hammer			1	
14	Mechanical Tools	Steel Shaft Claw Hammer			1	
15	Mechanical Tools	C-Clam p			4	
16	Mechanical Tools	Allen Key Set			1	
17	Mechanical Tools	Drill Machine Set			1	
18	Mechanical Tools	Drilling Workstation			1	
19	Mechanical Tools	Spanner Set			1	
20	Mechanical Tools	Vice Normal			1	
21	Mechanical Tools	Precision Screw Driver Set			2	
22	Mechanical Tools	Wrench			2	
23	Mechanical Tools	Wire Strippers			5	
24	Mechanical Tools	Screwdriver			3	
25	Mechanical Tools	Cordless Rotary Multitool Set			1	
26	Mechanical Tools	Air Blower			1	
27	Mechanical Tools	Drill Bit Set			1	
28	Mechanical Tools	File set			1	
29	Mechanical Tools	Mini File set			1	
30	Mechanical Tools	Flexible Cutting Mat			1	
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2	
32	Mechanical Tools	Pegboard			2	

S. No.	Category	Name	Description	Rate	Quantity	Amount
33	Electric Tools	Hot glue gun			4	Amount
34	Electric Tools	Digital Oscilloscope			1	
35	Electric Tools	Soldering Kit			2	<del></del>
36	Electric Tools	Soldering Kit			4	
37	Electric Tools	Soldering Kit			4	
38	Electric Tools	Soldering Kit			4	
39	Electric Tools	Soldering Kit			4	
40	Electric Tools	Adapters			10	
41	Electric Tools	Adapters			10	
42	Electric Tools	Electric Screw Driver Set			1	
43	Electric Tools	Dual Temperature Heat Gun			1	
44	Electric Tools	Soldering Helping hand			4	
45	Measurement Tools	Return measuring tape			2	
46	Measurement Tools	Stainless Steel Rule			5	
47	Measurement Tools	Digital Vernier Calliper			2	
48	Measurement Tools	Spirit Level			1	
49	Measurement Tools	Digital Pen electric Tester			1	
50	Measurement Tools	Digital Multi Meter			5	
51	Biology Kit	DIY Paper Microscope			5	
52	Astronomy Equipment	Telescope			1	
53	Textile Equipment	Sewing Kit			1	
			TOTAL			<del></del>

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FOR	Govt. Phuldungsei High School					
S. No.	Category	Package 3: M	echanical, Electrical and Measurement Description	Rate	Quantity	Amount
1	Mechanical Tools	Hacksaw Frame			1	
2	Mechanical Tools	Hacksaw blades			10	
3	Mechanical Tools	Mini Hacksaw Frame			1	
4	Mechanical Tools	Mini Hacksaw blades			10	
5	Mechanical Tools				1	
6	Mechanical Tools				1	
7	Mechanical Tools	1			1	
8	Mechanical Tools	Pliers: 4.5-inch size			1	
9	Mechanical Tools				1	
10	Mechanical Tools				1	
11	Mechanical Tools	1			1	
12	Mechanical Tools	Tweezer Set			2	
13	Mechanical Tools	Ball Pein Hammer			1	
14	Mechanical Tools	Steel Shaft Claw Hammer			1	
15	Mechanical Tools	C-Clam p			4	
16	Mechanical Tools	Allen Key Set			1	
17	Mechanical Tools	Drill Machine Set			1	
18	Mechanical Tools	Drilling Workstation			1	
19	Mechanical Tools	Spanner Set			1	
20	Mechanical Tools	Vice Normal			1	
21	Mechanical Tools	Precision Screw Driver Set			2	
22	Mechanical Tools	Wrench			2	
23	Mechanical Tools	Wire Strippers			5	
24	Mechanical Tools	Screwdriver			3	
25	Mechanical Tools	Cordless Rotary Multitool Set			1	
26	Mechanical Tools	Air Blower			1	
27	Mechanical Tools	Drill Bit Set			1	
28	Mechanical Tools	File set			1	
29	Mechanical Tools	Mini File set			1	
30	Mechanical Tools	Flexible Cutting Mat			1	
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2	
32	Mechanical Tools	Pegboard			2	

Package 3: Mechanical, Electrical and Measurement tools							
S. No.	Category	Name	Description	Rate	Quantity	Amount	
33	Electric Tools	Hot glue gun			4		
34	Electric Tools	Digital Oscilloscope			1		
35	Electric Tools	Soldering Kit			2		
36	Electric Tools	Soldering Kit			4		
37	Electric Tools	Soldering Kit			4		
38	Electric Tools	Soldering Kit			4		
39	Electric Tools	Soldering Kit			4		
40	Electric Tools	Adapters			10		
41	Electric Tools	Adapters			10		
42	Electric Tools	Electric Screw Driver Set			1		
43	Electric Tools	Dual Temperature Heat Gun			1		
44	Electric Tools	Soldering Helping hand			4		
45	Measurement Tools	Return measuring tape			2		
46	Measurement Tools	Stainless Steel Rule			5		
47	Measurement Tools	Digital Vernier Calliper			2		
48	Measurement Tools	Spirit Level			1		
49	Measurement Tools	Digital Pen electric Tester			1		
50	Measurement Tools	Digital Multi Meter			5		
51	Biology Kit	DIY Paper Microscope			5		
52	Astronomy Equipment	Telescope			1		
53	Textile Equipment	Sewing Kit			1		
			TOTAL			·····	

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FOR	D. L. O. Markey and D. A.						
S. No.	Category	Name	Description	Rate	Quantity	Amount	
1	Mechanical Tools	Hacksaw Frame			1		
2	Mechanical Tools	Hacksaw blades			10		
3	Mechanical Tools	Mini Hacksaw Frame			1		
4	Mechanical Tools	Mini Hacksaw blades			10		
5	Mechanical Tools				1		
6	Mechanical Tools				1		
7	Mechanical Tools				1		
8	Mechanical Tools	Pliers: 4.5-inch size			1		
9	Mechanical Tools				1		
10	Mechanical Tools				1		
11	Mechanical Tools				1		
12	Mechanical Tools	Tweezer Set			2		
13	Mechanical Tools	Ball Pein Hammer			1		
14	Mechanical Tools	Steel Shaft Claw Hammer			1		
15	Mechanical Tools	C-Clam p			4		
16	Mechanical Tools	Allen Key Set			1		
17	Mechanical Tools	Drill Machine Set			1		
18	Mechanical Tools	Drilling Workstation			1		
19	Mechanical Tools	Spanner Set			1		
20	Mechanical Tools	Vice Normal			1		
21	Mechanical Tools	Precision Screw Driver Set			2		
22	Mechanical Tools	Wrench			2		
23	Mechanical Tools	Wire Strippers			5		
24	Mechanical Tools	Screwdriver			3		
25	Mechanical Tools	Cordless Rotary Multitool Set			1		
26	Mechanical Tools	Air Blower			1		
27	Mechanical Tools	Drill Bit Set			1		
28	Mechanical Tools	File set			1		
29	Mechanical Tools	Mini File set			1		
30	Mechanical Tools	Flexible Cutting Mat			1		
31	Mechanical Tools	Plastic Storage Drawer / Organiser			2		
32	Mechanical Tools	Pegboard			2		

	Package 3: Mechanical, Electrical and Measurement tools							
S. No.	Category	Name	Description	Rate	Quantity	Amount		
33	Electric Tools	Hot glue gun			4			
34	Electric Tools	Digital Oscilloscope			1			
35	Electric Tools	Soldering Kit			2			
36	Electric Tools	Soldering Kit			4			
37	Electric Tools	Soldering Kit			4			
38	Electric Tools	Soldering Kit			4			
39	Electric Tools	Soldering Kit			4			
40	Electric Tools	Adapters			10			
41	Electric Tools	Adapters			10			
42	Electric Tools	Electric Screw Driver Set			1			
43	Electric Tools	Dual Temperature Heat Gun			1			
44	Electric Tools	Soldering Helping hand			4			
45	Measurement Tools	Return measuring tape			2			
46	Measurement Tools	Stainless Steel Rule			5			
47	Measurement Tools	Digital Vernier Calliper			2			
48	Measurement Tools	Spirit Level			1			
49	Measurement Tools	Digital Pen electric Tester			1			
50	Measurement Tools	Digital Multi Meter			5			
51	Biology Kit	DIY Paper Microscope			5			
52	Astronomy Equipment	Telescope			1			
53	Textile Equipment	Sewing Kit			1	V		
			TOTAL					

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New   Name   Peckage   New   Name   Rate   Quantity   Amount	FOR	Darlak RMSA Secondary School	D-12.00		Acila		
Mechanical Tools	5. No.	Category		The state of the s		Quantity	Amount
Mechanical Tools	1	Mechanical Tools	Hacksaw Frame			1	
4         Mechanical Tools         Mini Hacksaw blades         10           5         Mechanical Tools         1         1           6         Mechanical Tools         1         1           7         Mechanical Tools         1         1           9         Mechanical Tools         1         1           10         Mechanical Tools         1         1           11         Mechanical Tools         2         1           12         Mechanical Tools         2         2           13         Mechanical Tools         Steel Shaft Claw Hammer         1         1           14         Mechanical Tools         Steel Shaft Claw Hammer         1         1           15         Mechanical Tools         Allen Key Set         1         1           16         Mechanical Tools         Allen Key Set         1         1           17         Mechanical Tools         Orilling Workstation         1         1           18         Mechanical Tools         Spanner Set         1         1           20         Mechanical Tools         Vice Normal         1         1           21         Mechanical Tools         Vice Normal         2         2<	2	Mechanical Tools	Hacksaw blades			10	, .
5   Mechanical Tools     1   1   1   1   1   1   1   1   1	3	Mechanical Tools	Mini Hacksaw Frame			1	
1	4	Mechanical Tools	Mini Hacksaw blades			10	
Mechanical Tools	5	Mechanical Tools				1	
Nechanical Tools	6	Mechanical Tools				1	
Mechanical Tools	7	Mechanical Tools				1	
Mechanical Tools	8	Mechanical Tools	Pliers: 4.5-inch size			1	
11   Mechanical Tools	9	Mechanical Tools				1	
12   Mechanical Tools   Tweezer Set   2   2   3   3   3   3   3   3   3   3	10	Mechanical Tools				1	
13   Mechanical Tools   Ball Pein Hammer   1   1   1   1   1   1   1   1   1	11	Mechanical Tools				1	
14         Mechanical Tools         Steel Shaft Claw Hammer         1           15         Mechanical Tools         C-Clam p         4           16         Mechanical Tools         Allen Key Set         1           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wire Strippers         5           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           30         Mechanical Tools         Mini File set         1           31         Mechanical Tools <td>12</td> <td>Mechanical Tools</td> <td>Tweezer Set</td> <td></td> <td></td> <td>2</td> <td></td>	12	Mechanical Tools	Tweezer Set			2	
15         Mechanical Tools         C-Clam p         4           16         Mechanical Tools         Allen Key Set         1           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Air Blower         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools	13	Mechanical Tools	Ball Pein Hammer			1	
16         Mechanical Tools         Allen Key Set         1           17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wirench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools	14	Mechanical Tools	Steel Shaft Claw Hammer			1	
17         Mechanical Tools         Drill Machine Set         1           18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wire Strippers         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Air Blower         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	15	Mechanical Tools	C-Clam p			4	
18         Mechanical Tools         Drilling Workstation         1           19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Alr Blower         1           26         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	16	Mechanical Tools	Allen Key Set			1	
19         Mechanical Tools         Spanner Set         1           20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         3           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	17	Mechanical Tools	Drill Machine Set			1	
20         Mechanical Tools         Vice Normal         1           21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Screwdriver         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	18	Mechanical Tools	Drilling Workstation			1	
21         Mechanical Tools         Precision Screw Driver Set         2           22         Mechanical Tools         Wrench         2           23         Mechanical Tools         Wire Strippers         5           24         Mechanical Tools         Screwdriver         3           25         Mechanical Tools         Cordless Rotary Multitool Set         1           26         Mechanical Tools         Air Blower         1           27         Mechanical Tools         Drill Bit Set         1           28         Mechanical Tools         File set         1           29         Mechanical Tools         Mini File set         1           30         Mechanical Tools         Flexible Cutting Mat         1           31         Mechanical Tools         Plastic Storage Drawer / Organiser         2	19	Mechanical Tools	Spanner Set			1	
22       Mechanical Tools       Wrench       2         23       Mechanical Tools       Wire Strippers       5         24       Mechanical Tools       Screwdriver       3         25       Mechanical Tools       Cordless Rotary Multitool Set       1         26       Mechanical Tools       Air Blower       1         27       Mechanical Tools       Drill Bit Set       1         28       Mechanical Tools       File set       1         29       Mechanical Tools       Mini File set       1         30       Mechanical Tools       Flexible Cutting Mat       1         31       Mechanical Tools       Plastic Storage Drawer / Organiser       2	20	Mechanical Tools	Vice Normal			1	
23       Mechanical Tools       Wire Strippers       5         24       Mechanical Tools       Screwdriver       3         25       Mechanical Tools       Cordless Rotary Multitool Set       1         26       Mechanical Tools       Air Blower       1         27       Mechanical Tools       Drill Bit Set       1         28       Mechanical Tools       File set       1         29       Mechanical Tools       Mini File set       1         30       Mechanical Tools       Flexible Cutting Mat       1         31       Mechanical Tools       Plastic Storage Drawer / Organiser       2	21	Mechanical Tools	Precision Screw Driver Set			2	
24       Mechanical Tools       Screwdriver       3         25       Mechanical Tools       1         26       Mechanical Tools       1         27       Mechanical Tools       Drill Bit Set       1         28       Mechanical Tools       File set       1         29       Mechanical Tools       Mini File set       1         30       Mechanical Tools       Flexible Cutting Mat       1         31       Mechanical Tools       Plastic Storage Drawer / Organiser       2	22	Mechanical Tools	Wrench			2	
Mechanical Tools   Cordless Rotary Multitool   Set   1	23	Mechanical Tools	Wire Strippers			5	
1   25   Mechanical Tools   Set   1   26   Mechanical Tools   Air Blower   1   27   Mechanical Tools   Drill Bit Set   1   28   Mechanical Tools   File set   1   29   Mechanical Tools   Mini File set   1   29   Mechanical Tools   Flexible Cutting Mat   1   30   Mechanical Tools   Plastic Storage Drawer / Organiser   2   2     2     2     31   Mechanical Tools   Plastic Storage Drawer / Organiser   2   32   33   Mechanical Tools   Plastic Storage Drawer / Organiser   2   34   Mechanical Tools   Plastic Storage Drawer / Organiser   2   34   Mechanical Tools   Mechanical Tools   Plastic Storage Drawer / Organiser   2   34   Mechanical Tools   Mechanica	24	Mechanical Tools				3	
27 Mechanical Tools Drill Bit Set 1   28 Mechanical Tools File set 1   29 Mechanical Tools Mini File set 1   30 Mechanical Tools Flexible Cutting Mat 1   31 Mechanical Tools Plastic Storage Drawer / Organiser 2	25	Mechanical Tools	1			1	
28 Mechanical Tools File set 1 29 Mechanical Tools Mini File set 1 30 Mechanical Tools Flexible Cutting Mat 1 31 Mechanical Tools Plastic Storage Drawer / Organiser 2	26	Mechanical Tools	Air Blower			1	
29 Mechanical Tools Mini File set 1  30 Mechanical Tools Flexible Cutting Mat 1  31 Mechanical Tools Plastic Storage Drawer / Organiser 2	27	Mechanical Tools	Drill Bit Set			1	
30 Mechanical Tools Flexible Cutting Mat 1  31 Mechanical Tools Plastic Storage Drawer / Organiser 2	28	Mechanical Tools	File set			1	
31 Mechanical Tools Plastic Storage Drawer / Organiser 2	29	Mechanical Tools	Mini File set			1	
Organiser 2	30	Mechanical Tools	Flexible Cutting Mat			1	
	31	Mechanical Tools				2	
	32	Mechanical Tools				2	

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FOR	Govt. Mamit High School					
			upply & Accessories and Safet	y Equipment		
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
			TOTAL			

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FOR	Govt. Marpara High School					
		Package 4: Power St	upply & Accessories and Safety	/ Equipment	***************************************	
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	V - 50-
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
			TOTAL			

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FOR	Govt. Kawrtethawveng High Sc				<del></del>	* - *
<u> </u>		Package 4: Power Si	upply & Accessories and Safe	ty Equipment	·	
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	······································
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	<u></u>
			TOTAL			

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FOR	Rajiv Nagar RMSA Secondary S					<del></del>
<u> </u>		Package 4: Power Si	upply & Accessories and Safe	ty Equipment		
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	· · · · · · · · · · · · · · · · · · ·
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	*
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	<del></del>
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
			TOTAL			

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FOR	Govt. Rengdil High School				· · · · · · · · · · · · · · · · · · ·	
		Package 4: Power Si	upply & Accessories and Safet	y Equipment		
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	1000
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
			TOTAL			

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FOR	Silsury Secondary School					
		Package 4: Power St	upply & Accessories and Safety Ec	uipment		<del></del>
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	- mount
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	· /· · · · · · · · · · · · · · · · · ·
			TOTAL			· · · · · · · · · · · · · · · · · · ·

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	Package 4: Power Supply & Accessories and Safety Equipment						
S. No.	Category	Name	Description	Rate	Quantity	Amount	
1	Power Supply & accessories	Glue Sticks			100		
2	Power Supply & accessories	Nuts and Bolts and screw			40		
3	Power Supply & accessories	Cable Tie			10		
4	Power Supply & accessories	Cable Tie			10		
5	Power Supply & accessories	Cable Tie			10		
6	Power Supply & accessories	Sand Paper			10		
7	Power Supply & accessories	Power Strip Adaptors			5		
8	Power Supply & accessories	Bulb Holders			10		
9	Power Supply & accessories	Electric Wires			20 meters		
10	Power Supply & accessories	USB TO DC jack cable			10		
11	Safety equipment	First-Aid Kit			2	***************************************	
12	Safety equipment	Fire extinguisher (handy units)			2		
13	Safety equipment	Safety goggles (with/ without LED torch)			30		
14	Safety equipment	Safety Gloves Pairs			10		
15	Safety equipment	Safety Mask			20		
			TOTAL				

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FOR	Govt. Phuldungsei High School					
		Package 4: Power Si	pply & Accessories and Safety	Equipment	***************************************	
S. No.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	· · · · · · · · · · · · · · · · · · ·
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	·
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
			TOTAL			

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S. No.	Category	Name of the state	upply & Accessories and Safety E	quipment		
3. 110.	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	
3	Power Supply & accessories	Cable Tie			10	···········
4	Power Supply & accessories	Cable Tie			10	
5	Power Supply & accessories	Cable Tie			10	
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	
10	Power Supply & accessories	USB TO DC jack cable			10	
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
j			TOTAL			

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S. No	Category	Name	Description	Rate	Quantity	Amount
1	Power Supply & accessories	Glue Sticks			100	
2	Power Supply & accessories	Nuts and Bolts and screw			40	,
3	Power Supply & accessories	Cable Tie			10	
4	Power Supply & accessories	Cable Tie			10	***
5	Power Supply & accessories	Cable Tie			10	
6	Power Supply & accessories	Sand Paper			10	
7	Power Supply & accessories	Power Strip Adaptors			5	
8	Power Supply & accessories	Bulb Holders			10	
9	Power Supply & accessories	Electric Wires			20 meters	· · · · · · · · · · · · · · · · · · ·
10	Power Supply & accessories	USB TO DC jack cable			10	<del></del>
11	Safety equipment	First-Aid Kit			2	
12	Safety equipment	Fire extinguisher (handy units)			2	
13	Safety equipment	Safety goggles (with/ without LED torch)			30	·
14	Safety equipment	Safety Gloves Pairs			10	
15	Safety equipment	Safety Mask			20	
			TOTAL			

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FOR	Govt. Mamit High School							
	Package-5 IT INFRASTRUCTURE							
S.No.	ltem	Description	Rate	Qty	Amount			
1	Computer Lab			1 Set				
2	Smart Clssroom			1				
1	Table for Students			10				
2	Chairs for Students			30				
3	Teacher Table and Chair			1				
4	3D Printer Table			1				
5	Storage Cabinets			2				
6	Table for Server and clients			4				
		TOTAL						

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Govt. Marpara High School FOR Package-5 IT INFRASTRUCTURE S.No. Item Description Rate Qty Amount 1 Computer Lab 1 Set 2 Smart Clssroom 1 1 Table for Students 10 2 Chairs for Students 30 3 Teacher Table and Chair 1 4 3D Printer Table 1 5 Storage Cabinets 2 6 Table for Server and clients 4 TOTAL

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FOR Govt. Kawrtethawveng High Package-5 IT INFRASTRUCTURE S.No. Item Description Rate Qty Amount 1 Computer Lab 1 Set 2 Smart Clssroom 1 1 Table for Students 10 2 Chairs for Students 30 3 Teacher Table and Chair 3D Printer Table 4 5 Storage Cabinets 2 Table for Server and clients 6 4 TOTAL

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Signature		
Name of Proprietor		SALTE PROJECT DIRECTOR
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FOR Rajiv Nagar RMSA Secondary Package-5 IT INFRASTRUCTURE S.No. Item Description Rate Qty **Amount** 1 Computer Lab 1 Set 2 Smart Clssroom 1 Table for Students 10 2 Chairs for Students 30 3 Teacher Table and Chair 1 4 3D Printer Table 1 5 Storage Cabinets 2 Table for Server and clients 6 4 TOTAL

	Rupees in word	
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Signature		
Name of Proprietor		STATE PROJECT OF
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FOR Govt. Rengdil High School Package-5 IT INFRASTRUCTURE S.No. Item Description Rate Qty **Amount** 1 Computer Lab 1 Set 2 Smart Clssroom 1 1 Table for Students 10 2 Chairs for Students 30 3 Teacher Table and Chair 1 4 3D Printer Table 1 5 Storage Cabinets 2 6 Table for Server and clients 4 TOTAL

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FOR Silsury Secondary School Package-5 IT INFRASTRUCTURE S.No. Item Description Rate Qty **Amount** 1 Computer Lab 1 Set 2 Smart Clssroom 1 1 Table for Students 10 2 Chairs for Students 30 3 Teacher Table and Chair 1 4 3D Printer Table 1 Storage Cabinets 5 2 6 Table for Server and clients 4 TOTAL

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Govt. Darlung High School FOR Package-5 IT INFRASTRUCTURE S.No. Item Description Rate Qty Amount 1 Computer Lab 1 Set 2 Smart Clssroom 1 1 Table for Students 10 2 Chairs for Students 30 3 Teacher Table and Chair 1 4 3D Printer Table 5 Storage Cabinets 2 6 Table for Server and clients 4 TOTAL

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Name of Proprietor		STATE PROJECTE
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FOR	Govt. Phuldungsei High School					
	Package-5 IT INFRASTRUCTURE					
S.No.	ltem	Description	Rate	Qty	Amount	
1	Computer Lab			1 Set		
2	Smart Clssroom			1		
1	Table for Students			10		
2	Chairs for Students			30		
3	Teacher Table and Chair			1		
4	3D Printer Table			1		
5	Storage Cabinets			2		
6	Table for Server and clients			4		
		TOTAL		+		

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		Package-5 IT INFRASTRUCTURE		<del></del>	
S.No.	Item	Description	Rate	Qty	Amount
1	Computer Lab			1 Set	
2	Smart Clssroom			1	
1	Table for Students			10	
2	Chairs for Students			30	-
3	Teacher Table and Chair			1	
4	3D Printer Table		1	1	
5	Storage Cabinets			2	
6	Table for Server and clients			4	
		TOTAL		1	

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S.No.		Package-5 IT INFRASTRUCTUR	E		
3.140.	Item	Description	Rate	T 0: T	
1	Computer Lab		Nate	Qty 1 Set	Amount
2	Smart Clssroom			1	
1	Table for Students			10	
2	Chairs for Students			30	
3	Teacher Table and Chair				
4	3D Printer Table			1	
5	Storage Cabinets			1	
6	Table for Server and clients			2	
	and one its	TOTAL		4	

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