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**TENDER NO. 06/2020-21/NIE**  
**MISC. EQUIPMENT, PARTS, TOOLS & ACCESSORIES FOR COMMUNICATION LAB**

S. #	Item Name along with Specifications	Part Number	Qty	Unit Price	Total Price
1	<b>Carbon Fiber Frame Kit (QAV250) with standard accessories and following specifications:-</b> <b>Make: Any</b> <b>Specification:</b> <ul style="list-style-type: none"><li>• Arm plate thickness: 3mm</li><li>• Material: carbon fiber</li><li>• Aluminium alloy spacer, light weight, reliable and other Accessories.</li><li>• Wheelbase: 250mm</li><li>• Weight: 145g (with screws)</li><li>• Props: 2 Pairs of 5051 3 Blades Propeller</li><li>• Package include: 8PCS of Self-Locking Nylon Tie Cord,</li><li>• With rubber damper to decrease vibration during flight.</li></ul>	QAV250 OR Equivalent	3		
2	<b>Quad Copter Frame Kit (HJ450) with standard accessories and following specifications:-</b> <b>Make: Any</b> <b>Specification:</b> <ul style="list-style-type: none"><li>• Arm size: 21.5*4*5cm</li><li>• Along with other Accessories.</li><li>• Package includes: Top and Base PCB plates (solder able).</li><li>• Frame is compatible with PCB board for standard 50mm controller board.</li></ul>	HJ450 OR equivalent	10		
3	<b>H250 Q4 Mini Quad Copter Frame with standard accessories and following specifications:-</b> <b>Make: Any</b> <b>Specification:</b> <ul style="list-style-type: none"><li>• Name: H250 Q4 Mini Quad Copter V2.0</li><li>• Material: Carbon Fiber</li><li>• Wheelbase: 250MM</li><li>• Support propeller: 6 inch</li><li>• Frame along with Propeller Guard frame and with other Accessories</li></ul>	H250 Q4 Mini V2.0 OR Equivalent	5		
4	<b>Quad Copter frame with standard accessories and following specifications:-</b> <b>Make: Any</b> <b>Specification:</b> <ul style="list-style-type: none"><li>• F450 Quad copter Frame Integrated PCB 4-axis Arm</li><li>• Part for DJI Flame wheel Features:</li><li>• Adopts PA66+30GF material</li><li>• Integrated PCB center plate</li><li>• Along with other Accessories.</li><li>• Enough install space for different devices.</li><li>• Wheelbase: 450mm</li><li>• Along with other Accessories.</li></ul>	F450 Quadcopter Frame Kit OR Equivalent	5		
5	<b>Hexa Copter Frame with standard accessories and following specifications:-</b> <b>Make: Any</b> <b>Specification:</b> <ul style="list-style-type: none"><li>• F550 Hexa copter basic frame wheel kit</li><li>• Frame Arm Size: 215 x 38 x 50mm OR Equivalent</li><li>• Landing pad</li><li>• Material: Glass Fiber (Use For Quad copter F550 Hexa copter)</li><li>• Along with other Accessories.</li></ul>	Hexacopter f550 Frame kit OR Equivalent	2		

6	<p><b>Octo Copter Frame with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Includes Centre Plates top and bottom</li> <li>• 8x Arms made of fiber glass</li> <li>• Frame Arm Size: Compatible with 1245 props OR Equivalent</li> <li>• Landing pad gears and complete accessories</li> </ul>	Octocopter Frame kit OR Equivalent	2		
7	<p><b>Brushless DC motor (BLDC) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Model: 2204</li> <li>• RPM/V: 2300KV</li> <li>• Along with other Accessories.</li> <li>• EMAX Mt2204 2300KV</li> </ul>	EMAX Mt2204 2300KV OR Equivalent	8		
8	<p><b>Brushless DC (BLDC) Motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Model: DX2306 OR BR2306S</li> <li>• RPM/V: 2700KV</li> <li>• Package included:</li> <li>• 1 x BR2306S 2700KV Brushless Motor CW,</li> <li>• 1 x BR2306S 2700KV Brushless Motor CCW, along with other Accessories.</li> </ul>	DX2306 OR BR2306S OR Equivalent	8		
9	<p><b>Electronic speed control with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• Continuous Current: 12A</li> <li>• Li-xx Battery (cell): 2-3 supported</li> <li>• Burst current (10S): 15A</li> <li>• Programmable: Yes</li> <li>• Along with other Accessories.</li> </ul>	12A ESC	8		
10	<p><b>Electronic speed control (ESC) with standard accessories and following specifications:-</b></p> <p><b>Make: Aikon OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Product Name: AK32 35A 2-6S Bheli_32 Brushless ESC</li> <li>• Supportable Cell: 2-6S</li> <li>• Constant Current: 35A</li> <li>• Firmware: Bheli32</li> <li>• MCU: STM32</li> <li>• Boot loader: Yes</li> <li>• Along with other Accessories.</li> </ul>	AK32 35A 2-6S Bheli_32 Brushless ESC OR Equivalent	8		
11	<p><b>Power Distribution board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Input voltage range (3S-4S LiPo operation): 9 - 18V DC</li> <li>• Output: Regulated 5V and 12V</li> <li>• Power indicators: LED ( 5V &amp; 12V outputs )</li> <li>• 6 ESC outputs &amp; 1 pair VCC/GND pads</li> <li>• Continuous current: 25A*4 or 15A*6</li> <li>• Peak current: 30A*4 or 20A*6</li> <li>• Along with other Accessories.</li> </ul>	PDB-XT60 OR Equivalent	5		
12	<p><b>Naza-M Lite Flight Controller with standard accessories and following specifications:-</b></p> <p><b>Make: DJI OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Naza-M Lite complete Kit.</li> </ul> <p>Package includes:</p> <ul style="list-style-type: none"> <li>• 1 x DJI NAZA-M Lite MC</li> </ul>	Naza-M Lite complete Kit OR Equivalent	2		

	<ul style="list-style-type: none"> <li>• 1 x DJI NAZA-M Lite LED</li> <li>• 1 x DJI NAZA-M Lite PMU</li> <li>• 1 x M8N GPS Module for NAZA MC</li> <li>• 8 x Servo cable.</li> <li>• 1 x Micro USB Cable.</li> <li>• 2 x Adhesive Tape.</li> <li>• 1 x GPS stand holder</li> <li>• 1 x Battery Strap</li> <li>• 1 x DJI iOSD Mini On-Screen Display for Real-Time Flight Information (Black)</li> <li>• Complete Kit Along with other Accessories</li> </ul>				
13	<p><b>Regulator with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Output voltage: 3.3v</li> <li>• Output current: 1A -2A</li> <li>• Operates Down to 1v Dropout</li> <li>• Package: SOT-223</li> </ul>	AMS1117 3.3v	20		
14	<p><b>Regulator with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Output voltage: 5v</li> <li>• Output current: 1A -2A</li> <li>• Operates Down to 1v Dropout</li> <li>• Package: SOT-223</li> </ul>	AMS1117 5v	20		
15	<p><b>Power Module with standard accessories and following specifications:-</b></p> <p><b>Make: Hilink OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Input voltage range: 90~264 V AC</li> <li>• Rated output voltage: 3.3V DC</li> <li>• Power rating: 3W</li> </ul>	HLK-PM03 (220AC to 3.3vDC) OR Equivalent	10		
16	<p><b>Power Module with standard accessories and following specifications:-</b></p> <p><b>Make: Hilink OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Input voltage range: 90~264 V AC</li> <li>• Rated output voltage: 5V DC</li> <li>• Power rating: 5W</li> </ul>	HLK-5M05 (220AC to 5vDC) OR Equivalent	10		
17	<p><b>Power Module with standard accessories and following specifications:-</b></p> <p><b>Make: Hilink OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Input voltage range: 90~264 V AC</li> <li>• Rated output voltage: 12V DC</li> <li>• Power rating: 5W</li> </ul>	HLK-5M12 (220AC to 12vDC) OR Equivalent	10		
18	<p><b>FTDI USB To TTL with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Support 3.3V, 5V</li> <li>• chipset FT232RL</li> <li>• Pin definition: DTR,RXD,TXD,VCC,CTS,GND</li> <li>• Along with Cable and Other Accessories.</li> </ul>	FT232RL FTDI USB TO TTL SERIAL ADAPTER MODULE OR Equivalent	3		
19	<p><b>LMV324 with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: LMV324</li> <li>• 4 channels of op-amp</li> <li>• Package: SMD SOP package</li> </ul>	LMV324 OR Equivalent	20		

20	<p><b>LM317T with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Output Voltage Adjustable From 1.25 V to 37 V</li> <li>• Output Current : 1.5A</li> <li>• Internal Short-Circuit Current Limiting</li> <li>• Thermal Overload Protection</li> <li>• Package: SOT-223/ SOT-89 (SMD)</li> </ul>	LM317	20		
21	<p><b>TSV358 with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: TSV358</li> <li>• 2 channels of op-amp</li> <li>• Package: SMD SOP package</li> </ul>	TSV358 OR Equivalent	20		
22	<p><b>ULN2003 with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• ULN2003 :array of seven NPN Darlington transistors capable of 500mA &amp; 50V</li> <li>• Output ULN2003 features having common-cathode fly back diodes for switching inductive loads</li> <li>• Package SOP (SMD)</li> </ul>	ULN2003	5		
23	<p><b>Resistor with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 1/8 watt resistor.</li> <li>• Resistance Tolerance 1%</li> <li>• Package: SMD package, 1206</li> </ul>	47, 100, 220, 330, 470, 1k, 2.2k, 3.3k, 4.7k, 10k, 33k, 39K, 47k, 100k, 220k, 470k, 1M, 2.2M, 3.3M, 4.7M, 10M,	50 each		
24	<p><b>Capacitor with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Voltage-Rated 50V.</li> <li>• Tolerance <math>\pm 10\%</math>.</li> <li>• Package: SMD package, 1206</li> </ul>	100pF, 1nF, 10nF, 100nF, 1uF, 22pF, 16pF	20 each		
25	<p><b>Diode with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: M7 Diode</li> <li>• Package: SMA DO-214AC</li> <li>• Voltage Rating: 1000V</li> <li>• Current Rating: 1A</li> </ul>	M7 Diode OR Equivalent	20		
26	<p><b>Diode with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Diode: 1N4148</li> <li>• DC Reverse Voltage :100V Max</li> <li>• Current (Io):200mA</li> <li>• Package: SMA DO-214AC OR SOD-80</li> </ul>	1N4148 OR Equivalent	20		
27	<p><b>Capacitor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Capacitor value: 1000uF</li> <li>• Voltage: 50v</li> <li>• Package: Through hole</li> <li>• Polarity: polarized</li> <li>• electrolytic capacitors</li> </ul>	1000uF (50v polar) OR Equivalent	20		
28	<p><b>Brushless DC (BLDC) Motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p>	A2212/13T 1000KV OR Equivalent	20		

	<ul style="list-style-type: none"> <li>Model: A2212/13T</li> <li>Motor Rating KV: 1000KV</li> <li>Along with Screws, Prop Adapter, Mount and Other Accessories</li> </ul>				
29	<p><b>Brushless DC (BLDC) Motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Model: A2212/10T</li> <li>Motor Rating KV: 1400KV</li> <li>Along with Screws, Prop Adapter, Mount and Other Accessories</li> </ul>	A2212/10T 1400KV OR Equivalent	4		
30	<p><b>Electronic Speed Control (ESC) with standard accessories and following specifications:-</b></p> <p><b>Make: Mystery Cloud OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Current rating: 30A</li> <li>voltage range: 4 V-16V</li> <li>Battery Supportable: 4-12 NIMH 2-3LIPO</li> <li>BEC output: 30A, stressed: 5 V 3A. 2LIPO 4-5 micro-steering gear 3 LIPO 3-4 micro-steering gear.</li> <li>BLDC speed: 1.05ms (min) - 2ms (max)</li> <li>Should contain n-FET Mosfet like 8796 OR Equivalent</li> <li>Along with other Accessories.</li> </ul>	Mystery cloud-30A ESC OR Equivalent	24		
31	<p><b>Propeller Pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Size: 10x4.5 (1045)</li> <li>Material: ABS OR Equivalent</li> <li>Propeller Pair: CW &amp; CCW</li> <li>Along with other Accessories.</li> </ul>	Propeller pair 1045 OR Equivalent	30		
32	<p><b>Propeller Pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Size: 10 x 4.5 inch</li> <li>Material: Carbon fiber OR Equivalent</li> <li>Propeller Pair: CW &amp; CCW</li> <li>Along with other Accessories</li> </ul>	1045 prop OR Equivalent	10		
33	<p><b>Propeller Pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Material: Carbon fiber OR ABS OR Equivalent</li> <li>Size: 8 x 4.5 inch</li> <li>Propeller Pair: CW &amp; CCW</li> <li>Along with other Accessories</li> </ul>	8045 prop OR Equivalent	5		
34	<p><b>Propeller Pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Size: 6x4.5 (6045) Prop</li> <li>Propeller Pair: CW &amp; CCW</li> <li>Material: ABS OR Equivalent</li> <li>Along with other Accessories.</li> </ul>	Propeller pair 6045 OR Equivalent	10		
35	<p><b>Propeller (Tri-Blades) pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Size: 5x4.5 (5045)</li> <li>Propeller Pair: CW &amp; CCW</li> <li>Material: ABS OR Equivalent</li> <li>Along with other Accessories.</li> </ul>	Propeller pair 5045 Tri blade OR Equivalent	10		

36	<p><b>Propeller Pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Carbon fiber OR ABS OR Equivalent</li> <li>• Size: 5 x 4.5 inch</li> <li>• Propeller Pair: CW &amp; CCW</li> <li>• Along with other Accessories</li> </ul>	5045 prop OR Equivalent	10		
37	<p><b>T connector pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: T plug connector pair</li> <li>• (Male and Female)</li> <li>• Compatibility: with LIPO battery</li> <li>• Along with other Accessories.</li> </ul>	T plug connector pair OR Equivalent	100		
38	<p><b>Lipo Battery with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Battery: LIION (Lipo)</li> <li>• Voltage: 11.1V</li> <li>• Capacity: 2200mAh (3S)</li> <li>• Plug: T Plug OR Equivalent</li> <li>• Along with other Accessories.</li> </ul>	LiPo 11.1V 2200mAH 25C OR Equivalent	4		
39	<p><b>Lipo Battery with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Lipo battery voltage: 11.1V</li> <li>• Capacity: 3200mAh (3S)</li> <li>• Along with other Accessories..</li> </ul>	LiPo 11.1v 3200mAh/ 3000mAH 25C OR Equivalent	4		
40	<p><b>Lipo Battery with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Battery Power: 11.1V</li> <li>• Capacity: 4500mAh (3S)</li> <li>• Plug: T /XT60 Plug</li> <li>• Along with other Accessories.</li> </ul>	LiPo 11.1v 4500mAh/ 4600mAH 25C OR Equivalent	2		
41	<p><b>Lipo Battery with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Battery Voltage: 11.1V</li> <li>• Cells: 3S</li> <li>• Capacity: 6500mAh</li> <li>• Plug: T /XT60 Plug</li> <li>• Along with other Accessories.</li> </ul>	LiPo 3S 11.1v 6500mAh OR Equivalent	2		
42	<p><b>10 DOF IMU with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Chip: MPU-9250 + BMP280</li> <li>• Power rating: 3-5v (internal low dropout regulator)</li> <li>• Communication: IIC / SPI</li> <li>• A/D converter: 16 bit</li> <li>• Gyro range: <math>\pm 250</math> to <math>2000^\circ / s</math></li> <li>• Accelerometer range: <math>\pm 2</math> to <math>\pm 16g</math></li> <li>• Field range: <math>\pm 4800uT</math></li> <li>• Pressure range: 300-1100hPa</li> <li>• Along with other Accessories.</li> </ul>	10 DOF IMU MPU9250 OR Equivalent	5		
43	<p><b>10 DOF IMU with standard accessories and following specifications:-</b></p>	10 DOF IMU Adafruit OR Equivalent	10		

	<p><b>Make: Adafruit OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Chip: LSM303DLHC, L3GD20 &amp; BMP180</li> <li>• LSM303DLHC module: <math>\pm 2</math> to <math>\pm 12</math> gauss selectable</li> <li>• LSM303DLHC module: <math>\pm 2</math> to <math>\pm 16</math> g selectable</li> <li>• L3GD20 Module : 250 to 2000 dps</li> <li>• BMP180 Module: Pressure range:300 to 1100hPa</li> <li>• I2C interfaces</li> <li>• Power supply: 3-5v</li> <li>• Along with other Accessories.</li> </ul>				
44	<p><b>9 DOF IMU with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Chip: MPU-6050</li> <li>• Power supply: 3-5V</li> <li>• Communication mode: I2C</li> <li>• Along with other Accessories.</li> </ul>	9 DOF IMU (MPU6050) OR Equivalent	5		
45	<p><b>9 DOF IMU with standard accessories and following specifications:-</b></p> <p><b>Make: Adafruit OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Chip: LSM303DLHC &amp; L3GD20</li> <li>• LSM303DLHC module: <math>\pm 2</math> to <math>\pm 12</math> gauss selectable</li> <li>• LSM303DLHC module: <math>\pm 2</math> to <math>\pm 16</math> g selectable</li> <li>• L3GD20 Module: 250 to 2000dps</li> <li>• I2C interfaces</li> <li>• Power supply: 3-5v</li> <li>• Along with other Accessories.</li> </ul>	9 DOF IMU Adafruit OR Equivalent	5		
46	<p><b>GPS Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Model: GY-NEO6MV2 Ublox NEO-6M GPS Module</li> <li>• 5Hz position update rate</li> <li>• EEPROM to save configuration settings</li> <li>• Rechargeable battery for Backup</li> <li>• Supply voltage: 3.3 V</li> <li>• Configurable from 4800 Baud to 115200 Baud rates. (default 9600)</li> <li>• Super Sense @ Indoor GPS: -162 dBm tracking sensitivity</li> <li>• Support SBAS (WAAS, EGNOS, MSAS, GAGAN)</li> <li>• Separated 18X18mm GPS antenna along with other accessories.</li> </ul>	GY-NEO6MV2 Ublox NEO-6M GPS Module OR Equivalent	3		
47	<p><b>CAN-BUS Shield Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: CAN-BUS Shield Extension Board MCP2515 Development Board.</li> <li>• Arduino Completely compatible</li> <li>• Industrial standard 9 pin sub-D connector</li> <li>• Operating voltage: DC 5V-12V</li> <li>• Along with other Accessories.</li> </ul>	CAN-BUS Shield Extension Board MCP2515 Development Board CAN Protocol Communication Board OR Equivalent	2		
48	<p><b>N-Channel Field Effect Transistor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: N-Channel FET</li> <li>• Type Designator: P0903BDG</li> <li>• Type of Transistor: N-Channel MOSFET</li> <li>• Maximum Power Dissipation (Pd): 49 W</li> <li>• Maximum Drain Current  Id : 56 A</li> <li>• Package: TO252</li> </ul>	P0603BDG OR Equivalent	100		
49	<p><b>Corrugated Plastic/Cardboard Sheet with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p>	Corrugated Plastic sheet	30		

	<b>Specification:</b> <ul style="list-style-type: none"> <li>Item: Corrugated Sheet</li> <li>Size: 18' x 24 'OR Equivalent available size</li> <li>Strong and durable.</li> <li>Thickness: 5mm OR 6mm</li> </ul>				
50	<b>Flight controller with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: APM 2.8 Flight Controller Complete Kit</li> <li>Model: APM 2.8</li> <li>Input Voltage: 12~16 VDC</li> <li>Sensors: 3-Axis Gyro meter Accelerometer</li> <li>High-performance Barometer</li> <li>Processor: ATMEGA2560 and ATMEGA32U-2</li> <li>Micro-SD Card Slot</li> </ul> <p>Package include: Package include:</p> <ul style="list-style-type: none"> <li>1x APM2.8 (Vertical)</li> <li>1x Shock Absorber</li> <li>1x M8N Ublox GPS</li> <li>1x GPS Vertical Fitting</li> <li>1x JR male to male jumper wire 10cm</li> <li>Along with other Accessories.</li> </ul>	APM 2.8 Flight Controller with Built-in Compass OR Equivalent	2		
51	<b>Duct Fan (propulsion system) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: Duct Fan (propulsion system)</li> <li>Propeller: 6 Blade Propeller</li> <li>Working Voltage: 11.1v 3s approx.</li> <li>Motor : Brushless Motor2627 3200kv</li> <li>Maximum Current: 25A</li> <li>Package include compatible Electronics speed Control (ESC) along with other accessories.</li> </ul>	70mm 6 Blade 3200kv 3s EDF Duct Fan With Motor ESC OR Equivalent	4		
52	<b>PICKIT Programmer 3.5 with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>PICKIT Programmer 3.5 complete Kit</li> <li>USB Supportable</li> <li>Real-time execution</li> <li>MPLAB/MickroC IDE compatible</li> <li>Along with complete accessories</li> </ul>	PICKIT 3.5 OR Equivalent	2		
53	<b>Dc Motor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: Metal Gear Reducer Motor</li> <li>Voltage: 12V Operated</li> <li>High Torque DC Gear Box</li> </ul>	12V DC Motor OR Equivalent	4		
54	<b>Dc Motor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: Motor</li> <li>Voltage: 3-5V Operated</li> <li>DC Gear Motor</li> </ul>	3 to 5V DC Motor OR Equivalent	4		
55	<b>Microcontroller with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>PIC12f675</li> <li>8 pin uc</li> <li>SMD SOP Package</li> </ul>	PIC12F675 OR Equivalent	20		



56	<p><b>Microcontroller with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• PIC16f676</li> <li>• 14 pin uc</li> <li>• SMD SOP Package</li> </ul>	PIC16F676	20		
57	<p><b>Microcontroller with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• PIC18f2550</li> <li>• 28 pin uc</li> <li>• SMD SOP Package</li> </ul>	PIC18F2550	20		
58	<p><b>Bluetooth module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: HC 05 (Bluetooth Module)</li> <li>• Along with other Accessories.</li> </ul>	HC 05 (Bluetooth Module) OR Equivalent	2		
59	<p><b>Wire with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• AWG 28</li> <li>• length: 30 meters Or Equivalent Roll</li> <li>• Multi strain wire</li> </ul>	1 core wire AWG 28 OR Equivalent	2		
60	<p><b>Wire with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• AWG 18</li> <li>• length: 30 meters Or Equivalent Roll</li> <li>• Multi strain wire</li> </ul>	1 core wire AWG 18 OR Equivalent	2		
61	<p><b>30AWG wire Roll with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Wire Material: Tinned copper (jumper wire)</li> <li>• Strand: 1 (single)</li> <li>• Gauge: 30AWG</li> <li>• Wire Length: Approx. 305 meters</li> </ul>	30AWG wire roll OR Equivalent	1		
62	<p><b>Wire 22AWG Silicone with following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• AWG 22 (0.71mm) power cable</li> <li>• Color: Red and Black</li> <li>• length: 30 meters</li> <li>• Multi strain wire</li> </ul>	2 core wire AWG 22 OR Equivalent	1		
63	<p><b>Wire 22AWG Silicone with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• AWG 22 (0.71mm) power cable</li> <li>• length: 30 meters</li> <li>• Multi strain wire</li> </ul>	3 core wire AWG 22 OR Equivalent	1		
64	<p><b>Soldering Iron Tip cleaner wire (sponge ball with holder) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Soldering Iron Tip cleaner wire, sponge ball with holder (Complete Kit)</li> </ul>	Cleaner Steel Wire OR Equivalent	5		

65	<p><b>Cable Tie with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• HY-100MC</li> <li>• 100x2.5mm 4inches</li> <li>• Pack of 100</li> </ul>	Nylon Cable Ties OR Equivalent	5		
66	<p><b>Cable Tie with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• HY-100MC</li> <li>• 4x250mm 10inches</li> <li>• Part No. Nylon Cable Ties OR Equivalent</li> <li>• pack of 100</li> </ul>	Nylon Cable Ties OR Equivalent	5		
67	<p><b>LED SMD (RED, BLUE, GREEN) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: LED</li> <li>• Package: SMD 1206</li> </ul>	LED (RED, GREEN, BLUE)	30 each		
68	<p><b>Micro controller with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 5V DC operating range</li> <li>• Part: ATMEGA328P</li> <li>• 32kB Flash program memory</li> <li>• DIP Package</li> </ul>	Atmega 328P	10		
69	<p><b>Micro controller with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 5V DC operating range</li> <li>• Part: ATMEGA328P</li> <li>• 32kB Flash program memory</li> <li>• Package: TQFP (SMD)</li> </ul>	ATMEGA328P	20		
70	<p><b>GPS Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• SIM 900 GSM module shield with SMA Antenna (Approved from PTA)</li> <li>• Along with other Accessories.</li> </ul>	GSM SIM900	2		
71	<p><b>I2C Serial Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Operated volt: 5v</li> <li>• Serial I2C control of LCD display using PCF8574</li> <li>• Along with other Accessories.</li> </ul>	I2C Serial Module OR Equivalent	3		
72	<p><b>IC base with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 28 pin IC Base compatible for Atmega328p controller</li> </ul>	28 pin IC Base	10		
73	<p><b>Terminal connector PCB Mount (Screw Terminal) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Terminal connector PCB Mount</li> <li>• Type: Male female pair</li> </ul>	Terminal connector PCB Mount (Screw Terminal)	50		

	<ul style="list-style-type: none"> <li>90 degree angled (pcb mount)</li> <li>Pins: Two</li> <li>Power Rating: 250v AC, 10A OR Equivalent</li> </ul>				
74	<p><b>Two pin T Block Connector with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Item: Two pin T Block Connector (T-BlockI2)</li> <li>Type: PCB mount</li> <li>Rating: 250v AC, 10A OR Equivalent</li> </ul>	T Block:I2 Connector	50		
75	<p><b>FPV Transmitter &amp; Receiver with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>FPV Transmitter &amp; Receiver 2.4GHz 200mW Complete Kit.</li> <li>Range: 5-8km Mini FPV Transmitter &amp; Receiver Approx.</li> <li>Frequency: 2.4GHz</li> <li>Power: 200mW Wireless Video Transmitter,</li> <li>8 Channels, complete Kit with Accessories including mini camera.</li> <li>Along with other Accessories.</li> </ul>	FPV Transmitter & Receiver 2.4GHz 200mW OR Equivalent	2		
76	<p><b>Camera Module OV5642 with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Camera Module: OV5642</li> <li>Pixel: 5 mega pixels</li> <li>OV5642-V1 module 500W pixel camera module</li> <li>Module integrates 24MHZ active crystal, easier to use</li> <li>Along with other Accessories.</li> </ul>	Camera Module OV5642 OR Equivalent	2		
77	<p><b>Fly sky 9 channel Transmitter and receiver with standard accessories and following specifications:-</b></p> <p><b>Make: Fly Sky OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>FlySky FS-TH9X 9 Channel 2.4 GHz Digital Radio Remote Control Transmitter &amp; Receiver Complete Kit</li> </ul> <p>Transmitter:</p> <ul style="list-style-type: none"> <li>Model: FS-TH9X with FS-RM002 2.4GHz Module</li> <li>Channels: 9</li> <li>Suitable for: R/C Quad copter, glider, helicopter, airplane, also car or boat</li> <li>Bandwidth: 500Hz</li> <li>Band: 160</li> <li>RF power: less than 20dB</li> <li>2.4G system: AFHDS</li> <li>Modulation: GFSK</li> <li>Code type: PPM/PCM</li> <li>Sensitivity: 1024</li> <li>LCD type: 128 x 64 dot</li> <li>Low voltage warning: Yes (less than 9V)</li> <li>DSC port: Yes (3.5mm: output: PPM)</li> <li>Mode: Right hand throttle (Mode 1)</li> </ul> <p>Receiver:</p> <ul style="list-style-type: none"> <li>Model: FS-R9B</li> <li>Sensitivity: -105dBm</li> <li>Frequency range: 2.4-2.48GHz</li> <li>Bandwidth: 500Hz</li> <li>Band: 160</li> <li>Modulation: GFSK</li> </ul> <ul style="list-style-type: none"> <li>Tx &amp; Rx above Specification OR Equivalent</li> <li>Along with other Accessories.</li> </ul>	FlySky FS-TH9X 9 Channel 2.4 GHz Digital Radio Remote Control Transmitter & Receiver	2		
78	<p><b>Servo motor (Metal gear) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Item: Servo Motor Metal Gear</li> </ul>	DM-RS151M	5		

	<ul style="list-style-type: none"> <li>• Rotation: 180-degree</li> <li>• Complete gears and dual shaft Brackets for servo holding along with other Accessories.</li> </ul>				
79	<p><b>Servo motor with standard accessories and following specifications:-</b></p> <p><b>Make: Tower pro OR Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Metal Gear</li> <li>• 360-Degree Rotation</li> <li>• Along with other Accessories.</li> </ul>	MG-996R OR Equivalent	5		
80	<p><b>Servo motor (mini) with standard accessories and following specifications:-</b></p> <p><b>Make: Tower pro OR Equivalent</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Model: SG-90</li> <li>• Rotation: 180-Degree</li> <li>• Complete Accessories</li> </ul>	SG-90 OR Equivalent	5		
81	<p><b>M3 Link Rod OR Connecting rod for Servo with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Aluminium M3 Silver Link Rod End Ball Joint Metal Tie Rod End Assembly</li> <li>• Overall length 30mm, 40mm, 50mm, 60mm &amp; 70mm (Set of five), with adjustable rods.</li> <li>• Along with other Accessories.</li> </ul>	M3 connecting rod with ball joint connector OR Equivalent	10		
82	<p><b>Coin cell holder with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: CR2032 coin cell holder</li> <li>• Housing: PBT (Black)</li> <li>• Contact: phosphor bronze 0.2mm Thk, Tin-plated nickel</li> <li>• Along with other Accessories.</li> </ul>	Coin cell holder (CR2032) OR Equivalent	20		
83	<p><b>Coin cell (3v) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Voltage: 3v</li> <li>• Lithium ion cell</li> <li>• Coin/button cell CR2032</li> </ul>	3v coin cell	20		
84	<p><b>Lithium Ion Polymer Battery with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Voltage: 3.7V Lipo Battery</li> <li>• Current Rating: 1000mAh</li> </ul>	Lithium Ion Polymer Battery 3.7v & 1000mAh OR Equivalent	5		
85	<p><b>Ultrasonic sensor module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Operating voltage: 3v - 5v</li> <li>• Compatible with Arduino.</li> <li>• Part No.</li> <li>• Along with other Accessories.</li> </ul>	HC-SR04	10		
86	<p><b>Infrared sensor module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Operating voltage: 3v - 5v</li> <li>• Compatible with Arduino.</li> <li>• Along with other Accessories.</li> </ul>	Infrared sensor module	10		

87	<p><b>M3 Screws with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Metal</li> <li>• Diameter:3mm</li> <li>• Length: 8mm</li> </ul>	M3 Screws	100 pcs		
88	<p><b>M3 Screws with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Metal</li> <li>• Diameter:3mm</li> <li>• Length: 15mm</li> </ul>	M3 Screws	100 pcs		
89	<p><b>M3 Screws with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Metal</li> <li>• Diameter:3mm</li> <li>• Length: 30mm</li> </ul>	M3 Screws	100 pcs		
90	<p><b>M3 Nuts (for M3 Screws) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: M3 Nut</li> <li>• Material: Metal</li> <li>• Diameter:3mm</li> </ul>	M3 Nuts	300 pcs		
91	<p><b>M3 Washer with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: M3 Washer</li> <li>• Material: Metal</li> </ul>	M3 Washer	300 pcs		
92	<p><b>M3 Screws with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Nylon/plastic</li> <li>• Diameter:3mm</li> <li>• Length: 30mm</li> </ul>	M3 Screws	100 pcs		
93	<p><b>M3 Nuts (for M3 Screws) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Nylon/plastic</li> <li>• Diameter:3mm</li> <li>• (Along with M3 washer)</li> </ul>	M3 Nuts	100 pcs		
94	<p><b>Male to female PCB Spacer brass (M3) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: brass/Metal</li> <li>• Diameter: M3</li> <li>• Length: 20mm</li> </ul>	M3 PCB Spacer	100 pcs		
95	<p><b>Male to female PCB Spacer plastic (M3) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: Nylon/plastic</li> <li>• Diameter: M3</li> <li>• Length: 20mm</li> </ul>	M3 PCB Spacer	100 pcs		

96	<p><b>Smart Robot Car Tyre Wheel Gear Motor Set DC 3-6V (with complete Accessories) and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Smart Robot Car Tyre Wheel Gear Motor Set Kit.</li> <li>• Operating voltage: 3v - 6v</li> <li>• No-load speed (6V): 100RPM</li> <li>• No-load current (6V): 60mA</li> <li>• Motor speed: 100 r/min</li> <li>• Motor Size: approx. 6.5×2.2×1.8cm</li> <li>• Wheel Diameter: approx. 66mm</li> <li>• Wheel Width: approx. 28mm package includes: Biaxial gear motor and Rubber wheels</li> <li>• Along with other Accessories.</li> </ul>	Smart Robot Car Tyre Wheel Gear Motor Set DC 3-6V OR Equivalent	4		
97	<p><b>USB Connector with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Micro USB Type B</li> <li>• Female Port</li> <li>• 5 Pins SMD SMT Soldering PCB mount</li> </ul>	Any	10		
98	<p><b>USB data cable with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Cable Interface Type: Micro USB</li> <li>• Length: 1.2m / 3.9 (foot)</li> <li>• High-speed USB 2.0 Charging and Data Cable that supports a micro USB connector.</li> <li>• Compatible with NodeMCU Esp8266 board.</li> </ul>	Any	5		
99	<p><b>DC Power Jack/Socket with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Mount: PCB mount</li> <li>• Type: Female Jack (Barrel type)</li> <li>• Size: 2.1 x 5.5 mm OR Equivalent</li> </ul>	Dc Power Jack (Female) OR Equivalent	50		
100	<p><b>DC Power Jack/Socket with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Type: Male Jack</li> <li>• Compatibility: To connect with 2.1 x 5.5 mm female DC power Jack OR Equivalent</li> </ul>	Dc Power Jack (Male) OR Equivalent	50		
101	<p><b>CH340 IC with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: CH340</li> <li>• Package: SOP16 (SMD)</li> <li>• USB to TTL conversion IC</li> </ul>	CH340 IC OR Equivalent	10		
102	<p><b>PLCC28 To DIP28 DIP Adapter with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• PCB Board With PLCC28 IC Socket</li> <li>• Compatible: with Atmega328p IC SMD</li> </ul>	PLCC28 To DIP28 DIP Adapter OR Equivalent	10		
103	<p><b>STM ST-Link V2 USB with standard accessories and following specifications:-</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: STM ST-Link V2 USB for STM32 programming</li> <li>• Compatibility: STM8 and STM32</li> <li>• Along with other Accessories</li> </ul>	ST-Link V2 OR Equivalent	2		

104	<p><b>STM32 Development board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• STM32 Dev Board</li> <li>• Model: STM32F103C8T6.</li> <li>• Core: ARM 32 Cortex-M3 CPU.</li> <li>• Debug mode: SWD.</li> <li>• 72MHz work frequency.</li> <li>• 64K flash memory, 20K SRAM.</li> <li>• Micro USB connector for board power supply and USB communication.</li> <li>• USB Cable and Along with other Accessories.</li> </ul>	STM32 Dev Board OR Equivalent	5		
105	<p><b>Programmable IC with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: STM32F-103C8T6</li> <li>• Core: ARM 32 Cortex-M3 CPU.</li> <li>• Package: LQFP48 (SMD)</li> </ul>	STM32F-103C8T6 OR Equivalent	10		
106	<p><b>Motor Driver Module (L298N) Development Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• L298N Motor Driver Module</li> <li>• Double H Bridge Drive Chip: L298N</li> <li>• Logical Voltage: 5V</li> <li>• Drive Voltage: 5V-35V</li> <li>• Logical Current: 0-36mA</li> <li>• Drive current: 2A (MAX single bridge)</li> <li>• Max Power: 25W</li> <li>• Along with other Accessories.</li> </ul>	L298N Motor Driver Module OR Equivalent	5		
107	<p><b>L298N Driver IC with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Product: L298 Motor Driver IC</li> <li>• Operating Supply Voltage: Upto 46 V</li> <li>• Total DC Current:4 A</li> <li>• Low Saturation Voltage Over temperature Protection.</li> <li>• Logical "0" Input Voltage: Upto 1.5 V</li> <li>• High Noise Immunity.</li> </ul>	L298N Driver IC OR Equivalent	5		
108	<p><b>IR sensor module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IR Infrared Sensor Module</li> <li>• Operating Voltage: 3.0V – 5.0V</li> <li>• Detection range: 2cm – 30cm (Adjustable using potentiometer)</li> <li>• Current Consumption: at 3.3V : ~23 mA, at 5.0V: ~43 mA</li> <li>• Compatibility: Arduino</li> <li>• Active output level: Outputs Low logic level when obstacle is detected</li> <li>• On board Obstacle Detection LED indicator</li> <li>• Along with other Accessories.</li> </ul>	IR Infrared Module	10		
109	<p><b>Real Time Clock Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: DS3231 Real Time Clock Module</li> <li>• Operating voltage :3.3 - 5.5V</li> <li>• Memory chips: AT24C32 (storage capacity 32K).</li> <li>• Interface: I2C bus</li> <li>• Along with other Accessories.</li> </ul>	DS3231 Real Time Clock Module OR Equivalent	5		

110	<b>DHT22 Temperature Humidity Sensor Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Operating Voltage: 3.5V to 5.5V</li> <li>• Operating current: 0.3mA</li> <li>• Output: Serial data</li> <li>• Resolution: Temperature and Humidity both are 16-bit</li> <li>• Along with other Accessories.</li> </ul>	DHT22 Temperature Humidity Sensor Module OR Equivalent	5		
111	<b>Voltage Regulator IC 5V (7805) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: 7805</li> <li>• Package: TO252 (SMD)</li> </ul>	7805 IC TO252 package OR Equivalent	100		
112	<b>Voltage Regulator IC 5V (7805) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: 7805</li> <li>• Package: SOT89 (SMD).</li> </ul>	7805 IC SOT89 (SMD) package OR Equivalent	20		
113	<b>Voltage Regulator IC 12V (7812) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: 7812</li> <li>• Package: TO252 (SMD)</li> </ul>	7812 IC TO252 package OR Equivalent	20		
114	<b>Voltage Regulator IC 12V (7812) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: 7812</li> <li>• Package: TO220</li> </ul>	7812 IC TO220 package OR Equivalent	20		
115	<b>Battery with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Name: Dry Cell Battery</li> <li>• Voltage: 12V</li> <li>• Current Rating: 2.5A</li> </ul>	Dry cell battery 12V 2.5A OR Equivalent	1		
116	<b>Battery with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Name: Dry Cell Battery</li> <li>• Voltage: 12V</li> <li>• Current Rating: 5A</li> <li>• Along with other Accessories.</li> </ul>	Dry cell battery 12V 5A OR Equivalent	1		
117	<b>Regulator IC with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: MIC5205-5</li> <li>• LDO voltage regulator IC</li> <li>• Package: SOT-23</li> </ul>	MIC5205-5 OR Equivalent	10		
118	<b>Regulator IC with standard accessories and following specifications:-</b>  <b>Make: Any</b>	MIC5205-3 OR Equivalent	10		



	<b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: MIC5205-3</li> <li>• LDO voltage regulator IC</li> <li>• Package: SOT-23</li> </ul>				
119	<b>Micro SD Card &amp; Reader Module With SPI Interface with standard accessories and following specifications:-</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Item: Micro SD Card &amp; Reader Module</li> <li>• Communication interface: Standard SPI interface output pins</li> <li>• Support: Micro SD card, SDHC Micro card (high speed card)</li> <li>• Operating Voltage: 4.5V~5.5V</li> <li>• Accessories include: Card Reader Module along with 16GB Card compatible with the module</li> <li>• Along with other Accessories.</li> </ul>	Micro SD (YS-41) Card Reader Module With SPI Interface OR Equivalent	5		
120	<b>HC-12 Wireless Transceiver Module (433Mhz) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Module: HC-12 Wireless Transceiver</li> <li>• Voltage: 3.2-5.5V</li> <li>• Default Range: 600m</li> <li>• Working Frequency: 433.4-473MHz</li> <li>• Transmitting Power(max.):100mW</li> <li>• Default Factory Setting: working mode FU3, baud rate 9600bps, communication channel CH001(433.4M)</li> <li>• Along with other Accessories.</li> </ul>	HC12 OR Equivalent	6		
121	<b>Motor Driver development Board with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• IC: A4988 Stepper motor driver</li> <li>• Voltage: 8-35 VDC.</li> <li>• Current : 2.0A (with heat sink)</li> <li>• logic input : 3 – 5.5V</li> <li>• Along with other Accessories.</li> </ul>	A4988 Stepper motor driver Dev Board OR Equivalent	4		
122	<b>Water/Mist pump Motor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• High Pressure Mist Agricultural Spray Micro Diaphragm Water Pump</li> <li>• Working Voltage: 12V</li> <li>• Power: 70W</li> <li>• Current: 3A</li> <li>• Flow rate:4.5L/min</li> </ul> <b>Accessories Include:</b> <ul style="list-style-type: none"> <li>• 6 x Nozzel Brass</li> <li>• 6 x Nozzel Fitting</li> <li>• 4 x T Fitting (PVC)</li> <li>• 1 x joint</li> <li>• 1 x 8mm to 6mm Coupling</li> <li>• 10 feet, 8mm pipe rubber pipe</li> <li>• 0.5 feet, 12mm High pressure pipe</li> <li>• 30 feet, 6mm High pressure pipe</li> <li>• 1x Waterproof tape</li> <li>• 2 x End stop</li> <li>• 5 x L fitting</li> <li>• 1 x Filter</li> <li>• Pump to 6mm Coupling etc</li> <li>• Along with other Accessories.</li> </ul>	High Pressure Mist Agricultural Spray Micro Diaphragm Water Pump OR Equivalent	3		
123	<b>Current sensing Module with standard accessories and following specifications:-</b> <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Module: ACS712</li> <li>• Supply Voltage: 4.5V~5.5V DC</li> <li>• Measure Current Range: +30A ~ -30A</li> <li>• Sensitivity: 66mV/A</li> </ul>	ACS712 OR Equivalent	5		

124	<p><b>Long Range Ultrasonic Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: GY-US42 Ultrasonic Module</li> <li>• Voltage:3-5V</li> <li>• Along with other Accessories.</li> </ul>	GY-US42 Ultrasonic Module OR Equivalent	5		
125	<p><b>Microwave Motion Sensor Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: 5.8GHZ Microwave Radar Motion Sensor Module</li> <li>• Working voltages: 3.3-20 VDC</li> <li>• Current: 3mA</li> <li>• Frequency: 5.8Ghz</li> <li>• Transmit power: 2mW</li> <li>• Output signal: TTL level 3.3V/5V</li> <li>• Detection angle: 360°</li> <li>• Range: 3-8 meters</li> <li>• Along with other Accessories.</li> </ul>	5.8GHZ Microwave Radar Motion Sensor Module OR Equivalent	10		
126	<p><b>Opto Coupler IC with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item Name:TLP250</li> <li>• Package: SOIC-8</li> <li>• Mounting Style: SMD</li> <li>• Number of Pins: 8</li> </ul>	TLP250 OR equivalent	20		
127	<p><b>PWM IC with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: TL494</li> <li>• Operating voltage: 7 to 40V</li> <li>• Output current: 0.25A</li> <li>• Frequency: 300kHz</li> <li>• Package: SOP16 (SMD)</li> <li>• Number of channels: 2</li> </ul>	TL494 (SOP-16) OR equivalent	10		
128	<p><b>SMD RGB LED with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Package: Surface Mount</li> <li>• Operating Voltage: 2.2 to 5 v</li> <li>• Lens Color: Transparent</li> </ul>	SMD RGB LED OR Equivalent	50		
129	<p><b>RFID Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: MFRC522 RC522 RFID Module</li> <li>• Operating Voltage: DC 3.3V</li> <li>• Operating Current :13-26mA</li> <li>• Operating Frequency: 13.56MHz</li> <li>• Supported card types: mifare1 S50, mifare1 S70, Mifare UltraLight, Mifare Pro, Mifare Desfire</li> <li>• Dimensions: 40mm × 60mm</li> <li>• Module Interface SPI Data Transfer Rate: Max. 10Mbit/s</li> <li>• Card reading distance : 0~30mm</li> <li>• Package Include:</li> <li>• 1x RFID-RC522 Reader/Write Module</li> <li>• 4x The standard Mifare S50 blank card</li> <li>• 1x S50 special-shaped keychain tag</li> <li>• Along with other Accessories.</li> </ul>	MFRC522 RC522 RFID Module OR Equivalent	2		

130	<p><b>BLDC Motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: BLDC Motor 6010 130kv along with compatible ESC</li> <li>• Motor Model: 6010</li> <li>• Motor KV value: 130 kv</li> <li>• ESC No-load current: 0.5-1.03A (maximum current 40A)</li> <li>• Along with other Accessories.</li> </ul>	BLDC 6010 130kv With ESC OR Equivalent	6		
131	<p><b>37-in-1 Sensor Module Kit for Arduino with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 37-in-1 Sensor Module complete Kit for Arduino</li> </ul> <p>Package include:</p> <ul style="list-style-type: none"> <li>• 1 x Active buzzer module</li> <li>• 1 x Passive buzzer module</li> <li>• 1 x Common cathode RED&amp;GREEN LED module</li> <li>• 1 x Two color common cathode LED module</li> <li>• 1 x Knock sensor module</li> <li>• 1 x Shock switch sensor module</li> <li>• 1 x Photo resistor sensor module</li> <li>• 1 x Push button module</li> <li>• 1 x Tilt switch module</li> <li>• 1 x RGB LED module</li> <li>• 1 x Infrared transmit module</li> <li>• 1 x RGB colorful LED module</li> <li>• 1 x Hydrargyrum switch sensor module</li> <li>• 1 x Colorful auto flash module</li> <li>• 1 x Magnet-ring sensor module</li> <li>• 1 x Hall sensor module</li> <li>• 1 x Infrared receive sensor module</li> <li>• 1 x Analogy hall sensor module</li> <li>• 1 x Magic ring module</li> <li>• 1 x Rotate encode module</li> <li>• 1 x Light break sensor module</li> <li>• 1 x Finger pulse sensor module</li> <li>• 1 x Magnetic spring module</li> <li>• 1 x Obstacle avoidance sensor module</li> <li>• 1 x Tracking sensor module</li> <li>• 1 x Microphone sensor module</li> <li>• 1 x Laser transmit module</li> <li>• 1 x Relay module</li> <li>• 1 x Analog temperature sensor module</li> <li>• 1 x 18b20 temperature sensor module</li> <li>• 1 x Digital temperature sensor module</li> <li>• 1 x Linear hall Sensor module</li> <li>• 1 x Flame sensor module</li> <li>• 1 x High sensitive voice sensor module</li> <li>• 1 x Humidity sensor module</li> <li>• 1 x Joystick PS2 module</li> <li>• 1 x Touch sensor module etc.</li> <li>• Along with other Accessories</li> </ul>	37-in-1 Sensor Module Kit for Arduino OR Equivalent	1		
132	<p><b>Printed Circuit Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Universal Printed Circuit Board/ Proto board/ Wiro board</li> <li>• Size: 9x15cm approx</li> <li>• Tinned plating: Single Side</li> <li>• Thickness: approx. 1.6mm</li> </ul>	Universal Printed Circuit Board/ Protoboard/ Wireboard OR Equivalent	20		
133	<p><b>Breadboard with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Material: ABS plastic or equivalent</li> <li>• Size: 166 mm X 54 mm</li> <li>• 200 distribution holes</li> </ul>	Breadboard OR Equivalent	5		

134	<p><b>Breadboard Jumper Wire with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Jumper wire</li> <li>• Connection: Male to Male</li> <li>• Strip of 12 wire Multicolor.</li> </ul>	Breadboard Jumper Wire (M To M) OR Equivalent	10		
135	<p><b>Breadboard Jumper Wire with standard accessories and following specifications:-</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Jumper wire</li> <li>• Connection: Male to Female</li> <li>• Strip of 12 wire Multicolor.</li> </ul>	Breadboard Jumper Cables (M To F) OR Equivalent	20		
136	<p><b>Breadboard Jumper Wire with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Jumper wire</li> <li>• Connection: Female to Female</li> <li>• Strip of 12 wire Multicolor.</li> </ul>	Breadboard Jumper Cables (F To F) OR Equivalent	10		
137	<p><b>Long Rang Transceiver Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: E32-TTL-1W (SX1278/SX1276)</li> <li>• Interface: UART</li> <li>• Power: 30dBm (About 1W)</li> <li>• Frequency: 433MHz (410-441MHz)</li> <li>• Along with Antenna and other accessories.</li> </ul>	E32-TTL-1W (SX1278/SX1276) OR Equivalent	4		
138	<p><b>ESP-12F Controller (ESP8266) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: ESP-12F Serial WIFI Wireless Transceiver Module.</li> <li>• Package: SMD22 OR Equivalent</li> </ul>	ESP12F (Miniature size) OR Equivalent	20		
139	<p><b>ESP32 Development Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: ESP-WROOM-32</li> <li>• Operating voltage: 2.2V~3.6V.</li> <li>• No# of pins supported: 30</li> <li>• Mounting Type: Surface Mount.</li> <li>• Serial Interfaces: I<sup>2</sup>C, I<sup>2</sup>S, SPI, UART.</li> <li>• Integrated 520 KB SRAM.</li> <li>• Hybrid Wi-Fi &amp; Bluetooth.</li> <li>• High level of integration.</li> <li>• Ultra-low-power management.</li> <li>• 4 MB Flash.</li> <li>• On-board PCB antenna.</li> <li>• Along with other Accessories.</li> </ul>	ESP-WROOM-32 OR Equivalent	5		
140	<p><b>ESP32 Development Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: ESP32-CAM</li> <li>• Package: DIP-16</li> <li>• Support interface: UARI, SPI, I2C, PWM</li> <li>• Image output format: JPEG (only supported by OV2640), BMP, GRAYSCALE</li> <li>• Antenna form: onboard</li> <li>• Power supply range: 5V</li> <li>• Package include ESP32-CAM WiFi Module, OV2640 Camera and Antenna with other Accessories</li> </ul>	ESP32 CAM Development Board OR Equivalent	5		

141	<p><b>ESP-32 Development Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: ESP-Eye ESP-32 Development Board</li> <li>• 3D_PIFA Antenna</li> <li>• ESP32 Chip: 2.4 GHz Wi-Fi and Bluetooth combo chip.</li> <li>• Camera: External 2-Megapixel camera module for face detection, face recognition and ID enrolment.</li> <li>• MIC:A digital microphone for voice control functions</li> <li>• SPI Port</li> <li>• Along with other Accessories.</li> </ul>	ESP-Eye ESP-32 Development Board OR Equivalent	2		
142	<p><b>ESP32 Development Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: ESP32 SIM800L GSM Module</li> <li>• Chipset: ESPRESSIF-ESP32 240MHz Xtensa® dual-core 32-bit LX6 microprocessor</li> <li>• Interface: UART, SPI, SDIO, I2C, LED PWM, TV PWM, I2S, IRGPIO, capacitor touch sensor, ADC, DAC/LNA pre-amplifier.</li> <li>• Working voltage: 2.7V-3.6V</li> <li>• SIM card: SIM800L (Only supports Nano SIM card)</li> <li>• Standard Wifi &amp; Bluetooth module.</li> <li>• Package include GSM Antenna 9cm, along with other Accessories.</li> </ul>	ESP32 SIM800L GSM Module Development Board OR Equivalent	2		
143	<p><b>ESP32 Dev Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: TTGO T-Camera Esp32 WROVER with SRAM camera module OV2640 camera 0.96Oled PIR Grove port mini camera board.</li> <li>• Display type: OLED</li> <li>• Display resolution: 128x64</li> <li>• Camera: OV2640</li> <li>• Camera Resolution: 2Megapixel</li> <li>• Package include Ov2640 Camera and O LED along with other Accessories.</li> </ul>	TTGO T-Camera Esp32 Wrover & Pstram Camera Module Dev Board OR Equivalent	2		
144	<p><b>Sony Spresense Development board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: Spresense Sony Main Board</li> <li>• Core: CXD5602PWB (ARM® Cortex®-M4F × 6 cores)</li> <li>• GPS: Integrated GPS</li> <li>• Audio output: Enable</li> <li>• Mic Input: Enable</li> <li>• Camera: 5MP comes with the Sony Super sense Board</li> <li>• Along with other Accessories.</li> </ul>	Sony Spresense Development board OR Equivalent	2		
145	<p><b>ESP32 development board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: Tiny PICO development board</li> <li>• Dual-core processor</li> <li>• Antenna: 3D</li> <li>• pre-installed: Micro Python</li> <li>• Support: Arduino IDE</li> <li>• Support: Espressif IDF</li> <li>• Along with other Accessories.</li> </ul>	TinyPICO ESP32 development board OR Equivalent	2		
146	<p><b>Raspberry Pi Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: Raspberry Pi Zero W V1.3 Development Board</li> <li>• BCM2835 at 1GHz Processor</li> </ul>	Raspberry Pi Zero W V1.3 Development Board OR Equivalent	2		

	<ul style="list-style-type: none"> <li>• 512MB RAM</li> <li>• WLAN &amp; Bluetooth: Enable</li> <li>• Micro SD Slot</li> <li>• Mini HDMI port</li> <li>• Micro USB OTG port</li> <li>• Micro USB power</li> <li>• HAT-compatible 40-pin header</li> <li>• Composite video and reset headers</li> <li>• CSI camera connector</li> <li>• Along with other Accessories.</li> </ul>				
147	<p><b>Raspberry Pi Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Raspberry Pi 4 Model-B</li> <li>• Memory: 4GB</li> <li>• Quad-Core Processor</li> <li>• WLAN, LAN RJ45: Enable</li> <li>• Dual-Display Micro HDMI Ports</li> <li>• Package include camera module along with other accessories.</li> </ul>	Raspberry Pi 4 Development Board OR Equivalent	2		
148	<p><b>Controller Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: F3 Flight Controller Acro Sp Racing Clean flight Perfect For Mini 250 - 210 Quad copter</li> <li>• STM32F3 CPU.</li> <li>• MPU6050 accelerometer/gyro</li> <li>• MS5611 barometer</li> <li>• HMC5883 compass</li> <li>• Micro USB socket.</li> <li>• 4x 4pin JST-SH sockets (I2C, SWD, 2xUART)</li> <li>• 2x 8pin JST-SH sockets (PPM, PWM, SERIAL RX, GPIO, ADC, 3V, 5V, GND)</li> <li>• 8x 3pin though-holes for pin headers for ESC/Servo connections.</li> <li>• 2x 4pin though-holes for pin headers for 2x serial ports.</li> <li>• 2x 2pin though-holes for pin headers for battery voltage and buzzer.</li> <li>• Along with other accessories.</li> </ul>	F3 Flight Controller Acro Sp Racing Cleanflight Perfect For Mini 250 210 Quadcopter OR Equivalent	2		
149	<p><b>Flip32 Controller Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: Flip32 Multi copter Flight Controller Board</li> <li>• Built-in battery voltage monitoring</li> <li>• Built-in FrSky telemetry converter</li> <li>• Built-in Compass and Barometer.</li> <li>• Modern 32-bit processor (STM32 F103) operating at 3.3V / 72MHz.</li> <li>• onboard USB for installation and configuration</li> <li>• sensors MPU6050: Enable</li> <li>• Along with other Accessories.</li> </ul>	Flip32 Multicopter Flight Controller Board OR Equivalent	2		
150	<p><b>DC To DC Buck Converter with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: Mini MP1584EN DC-DC BUCK Adjustable Step Down Module</li> <li>• Model:MP1584</li> <li>• Name: DC-DC step-down module</li> <li>• Input Voltage: 4.5V ~ 28V</li> <li>• Output voltage: 0.8V ~ 20V</li> <li>• Output Current: 3A (Max)</li> </ul>	Mini MP1584EN DC-DC BUCK Adjustable Step Down Module OR Equivalent	10		
151	<p><b>DC To DC Buck Converter with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p>	LM2596 DC-DC Adjustable Buck Converter Step Down Module OR Equivalent	10		

	<b>Specification:</b> <ul style="list-style-type: none"> <li>Module: DC-DC LM2596S buck module</li> <li>Input voltage: 3.2V~46V</li> <li>Output voltage: 1.25V~35V</li> <li>Output current: 3A</li> </ul>				
152	<b>Wired Nunchuck Controller for Wii U with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Module: Nunchuck Controller</li> <li>Compatible Models: Wii, Wii U</li> <li>Connection: Wired</li> <li>Bluetooth Version: No</li> <li>Along with all Accessories</li> </ul>	Controller for Wii U OR Equivalent	2		
153	<b>Stepper Motor Driver Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Module: DRV8825 Module</li> <li>CAN interface: 3.3V and 5V systems</li> <li>Maximum 45V supply voltage</li> </ul>	DRV8825 Stepper Motor Driver Module OR Equivalent	4		
154	<b>Stepper Motor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: Stepper motor (Nema)</li> <li>2 Phases</li> <li>Rated Voltage: 3.6V - 5VDC</li> </ul>	Geeetech® Nema 14 35 BYGHW Powerful Stepper Motor OR Equivalent	4		
155	<b>Transceiver Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Module: 2.4G Wireless Serial Transparent Transceiver Module</li> <li>Working Voltage: DC 3.2~5.2V</li> <li>Working Current: 21mA(MAX)</li> <li>Working Frequency: 2478MHz (default), 2400MHz - 2527MHz programmable</li> <li>Transmission distance: 50 meters approx.</li> <li>Logic Interface Type: UART TTL serial port</li> <li>Along with other Accessories.</li> </ul>	2.4G Wireless Serial Transparent Transceiver Module OR Equivalent	4		
156	<b>GPS module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Model: BN-880 GPS Module</li> <li>Voltage: DC 2.8V - 6.0V</li> <li>Current: Capture 50mA@5V</li> <li>UART Interface: TXDA and RXDA</li> <li>Pin-out: SDA, GND, TX, RX, VCC, SCL</li> <li>Compatibly with omnibus F4 flight controller OR Equivalent</li> <li>Along with all accessories.</li> </ul>	BN-880 GPS module OR Equivalent	5		
157	<b>MAVLink Minim OSD Module (Max7456 Module) with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Module: MAX7456-EUI mono chrome on-screen display.</li> <li>5V/500mA DC/DC regulator for MAX7456-EUI.</li> <li>ATMEGA328P (V2.4) OR Equivalent</li> <li>Operating voltage: 5V(FTDI connector) and 12V(Video I/O connector).</li> <li>Supported NTSC &amp; PAL.</li> <li>FTDI connector.</li> <li>Full MAVLink protocol support.</li> <li>Graphical configurator tool.</li> <li>Along with other accessories.</li> </ul>	MAVLink Minim OSD Module ATMEGA328P (V2.4) OR Equivalent	2		

158	<p><b>Ov7670 Camera module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: OV7670</li> <li>• Optical size: 1/6 inch</li> <li>• Resolution: 640×480 VGA</li> <li>• On-board regulator: 3.3V supply</li> <li>• Technology: CMOS Camera</li> <li>• Along with other Accessories.</li> </ul>	Ov7670 Camera module OR Equivalent	3		
159	<p><b>Ov2640 Camera module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: OV2640 camera module</li> <li>• Resolution: 2MP</li> <li>• Package: SMD Type</li> <li>• Compatibility: ESP32 CAM Module</li> <li>• Technology: CMOS Camera</li> <li>• Along with other Accessories.</li> </ul>	Ov2640 Camera module OR Equivalent	5		
160	<p><b>Camera Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: Arducam 1080P</li> <li>• Sensor: 1/2.7" OV2710</li> <li>• Resolution: 2MP 1920 x 1080</li> <li>• Data Format: MJPG/YUY2</li> <li>• Frame Rate: MJPG 30fps@1920 x 1080; YUY2 30fps@640 x 480.</li> <li>• Power Supply: USB powered 5V</li> <li>• Working Current: MAX 300mA</li> <li>• Along with other Accessories.</li> </ul>	Arducam 1080P Camera Module OR Equivalent	5		
161	<p><b>Heat shrinks with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 7mm Heat shrink</li> <li>• 10meter sleeve</li> </ul>	7mm Heat shrink OR Equivalent	10		
162	<p><b>Heat shrinks with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• 10mm Heat shrink</li> <li>• 10meter sleeve</li> </ul>	10mm Heat shrink OR Equivalent	10		
163	<p><b>Toggle switch with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: SPDT Toggle switch</li> <li>• Pin-out: 3 pin-out SPDT</li> <li>• Current rating: 5A max</li> <li>• Voltage rating: 220V Max</li> </ul>	SPDT Toggle switch OR Equivalent	50		
164	<p><b>Brushless DC Motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Model: EMAX MT 1806-2280KV</li> <li>• KV: 2280KV</li> <li>• Lipo battery Supportable: 2-3S</li> <li>• Along with other Accessories.</li> </ul>	EMAX MT 1806-2280KV OR Equivalent	4		
165	<p><b>Brushless DC Motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p>	EMAX RS2205 - 2300KV OR Equivalent	4		



	<p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Model: EMAX RS2205 -2300KV Brushless DC Motor</li> <li>• Lipo battery Supportable: 3 – 4S</li> <li>• KV: 2300</li> <li>• Along with other Accessories.</li> </ul>				
166	<p><b>12A ESC with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item Name: Emax - Simonk Series ESC</li> <li>• Current: 12A</li> <li>• Input: 2-3S LiPo</li> <li>• Programmable: Yes</li> <li>• Along with other Accessories.</li> </ul>	Emax Simonk Series 12A ESC OR Equivalent	4		
167	<p><b>30A ESC (EMAX) with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: EMAX LIGHTNING 30A ESC</li> <li>• Firmware: BLHeli ESC</li> <li>• MCU: High-performance F396</li> <li>• Active braking: Yes</li> <li>• Supports up to: 4S High Voltage (4.35v max per cell)</li> <li>• Input Voltage: 3-4S Lipo</li> <li>• Along with other Accessories.</li> </ul>	EMAX 30A ESC OR Equivalent	4		
168	<p><b>NVIDIA Jetson Nano Developer Kit with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Module: NVIDIA Jetson Nano Developer Kit</li> <li>• CPU: Quad-core ARM A57 @ 1.43 GHz</li> <li>• Memory: 4 GB</li> <li>• Camera: MIPI CSI-2</li> <li>• Connectivity: Ethernet</li> <li>• Display: HDMI 2.</li> <li>• USB: 4x USB 3.0, USB 2.0 Micro-B</li> <li>• Others: GPIO, I2C, I2S, SPI, UART</li> <li>• Along with other Accessories.</li> </ul>	NVIDIA Jetson Nano Developer Kit OR Equivalent	2		
169	<p><b>LiPo Battery Charger with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Venom Pro Duo Lipo Charger</li> <li>• Supportable: 3S 11.1V, up to 7600mAh 75C</li> <li>• Watt: 80w Charger.</li> <li>• Balance Connector: JST-XH.</li> <li>• Package include 2 x 3S 11.1V 7600mAh Lipo batteries</li> <li>• Along with other Accessories</li> </ul>	Venom Pro Duo LiPo Battery Charger OR Equivalent	1		
170	<p><b>DC motor with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Mini DC Motor (PMMC Motor)</li> <li>• Voltage: 3 - 6V</li> </ul>	Mini DC Motor (PMMC Motor) OR Equivalent	4		
171	<p><b>Driver IC IR2301STRPBF with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: IR2301STRPBF</li> <li>• Package: SOIC-8 (SMD)</li> <li>• Voltage Supply: 5 V - 20 V</li> <li>• Mounting Type: Surface Mount</li> </ul>	IR2301STRPBF SOIC-8 package OR Equivalent	50		
172	<p><b>Power MOSFET with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p>	IRF3205 (Package: TO252) OR Equivalent	50		

	<b>Specification:</b> <ul style="list-style-type: none"> <li>• MOSFET: IRF3205</li> <li>• Package: TO252</li> <li>• Mounting Type: Surface Mount</li> </ul>				
173	<b>Power MOSFET with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• MOSFET: IRLR7843</li> <li>• Package: TO252</li> <li>• Mounting Type: Surface Mount</li> </ul>	IRLR7843 (Package: TO252) OR Equivalent	50		
174	<b>Camera Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Module: Caddx Baby Turtle V2 Nano 1/2.7 Inch CMOS 800TVL 1080P Super WDR FPV Camera</li> <li>• Resolution: 800TVL</li> <li>• Recording: 1080P/60fps, 1080P/30fps</li> <li>• TV system: NTSC/PAL changeable with OSD</li> <li>• Video file format: MP4</li> <li>• Aspect ratio: 16:9/4:3 Changeable with OSD</li> <li>• Max Micro SD card supported: 64G</li> <li>• Audio: Support</li> <li>• Power input: 5V-20V</li> <li>• Along with other Accessories.</li> </ul>	Caddx Baby Turtle V2 Nano 1/2.7 Inch CMOS 800TVL 1080P Super WDR FPV Camera OR Equivalent	2		
175	<b>Transmitter Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Module: TS5828LS transmitter module</li> <li>• Frequency: 5.8G</li> <li>• Channel: 48CH</li> <li>• Power: 600mW</li> <li>• Input Voltage: 7-23V</li> <li>• Transmission Range: 100m</li> <li>• Along with all other accessories</li> </ul>	TS5828LS transmitter module OR Equivalent	3		
176	<b>Receiver Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• FPV Receiver Module</li> <li>• Module: ROTG01 UVC OTG 5.8G 150CH Receiver OR FPV Mini 5.8G OTG 150CH Mini Receiver UVC Video Downlink OR Equivalent.</li> <li>• Frequency : 5645MHz~5945MHz</li> <li>• Working Current : USB 5V 190mA</li> <li>• Interface: micro USB, RP-SMA female, AV output port</li> <li>• System requirement: Android 4.3 or above, Windows 7 / 10</li> <li>• FPV Equipment: Receiver</li> <li>• Functions: Video</li> <li>• Compatibility: TS5828LS transmitter module</li> <li>• Along with all accessories.</li> </ul>	ROTG01/02 UVC OTG 5.8G 150CH Receiver OR FPV Mini 5.8G OTG 150CH Mini Receiver UVC Video Downlink OR Equivalent	3		
177	<b>Camera Module with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>• Module: 1200TVL Camera Module for TS5828LS Module</li> <li>• Resolution: 1280 x 960</li> <li>• Number of pixels: 5 megapixels</li> <li>• Horizontal resolution: 1200 TVL</li> <li>• Compatibility: with TS5828LS Transmitter Module</li> <li>• Along with all other accessories</li> </ul>	1200TVL Camera Module for TS5828LS Module OR Equivalent	3		
178	<b>A3 Cutting Mat (Self Healing Non Slip) with standard accessories and following specifications:-</b>  <b>Make: Any</b>	A3 Cutting Mat Self Healing OR Equivalent	2		

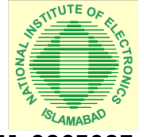
	<p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Item: Cutting Mat Self Healing</li> <li>Size: 45x30cm A3</li> <li>Color: Green</li> <li>Material: PVC</li> <li>Thickness: 0.3cm(0.118 inch)</li> <li>Printed Grid Lines Board</li> </ul>				
179	<p><b>Run Cam Split 3 Nano Camera Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Module: Runcam Split 3 Nano</li> <li>Video Resolution: 1080@60fps / 1080@50fps / 1080@30fps / 720@60fps</li> <li>Video File Format: Mov OR Equivalent</li> <li>Image Resolution: 2 MP</li> <li>TV Mode: NTSC/PAL Switchable</li> <li>Interface: JST 1.25mm / UART</li> <li>SDCard Supported: 64G</li> <li>Power Input: DC 5-20V</li> <li>Working Current: 650mA @5V / 270mA @12V</li> <li>Along with other Accessories.</li> </ul>	RunCam Split 3 Nano Camera Module OR Equivalent	2		
180	<p><b>Connector pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Item: XT60 Connector Pair (Male and Female)</li> <li>Size: 3.5 mm</li> <li>Material: Nylon and Brass OR Equivalent</li> <li>Process: Gold Plated</li> <li>Max Current: 80A</li> </ul>	XT60 connector pair (Male & Female) OR Equivalent	100		
181	<p><b>Connector pair with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Item: XT30 Connector Pair (Male and Female)</li> <li>Material: Nylon and Brass OR Equivalent</li> <li>Max Current: 80A</li> </ul>	XT30 connector pair OR Equivalent	20		
182	<p><b>Flight Controller with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Module: CC3D Flight Controller</li> <li>Model: Beta flight firmware / Open pilot firmware ( Optional)</li> <li>Voltage Compatible: 3S Lipo</li> <li>With Self-stabilization Function</li> <li>Along with other Accessories.</li> </ul>	CC3D Flight Controller OR Equivalent	2		
183	<p><b>Flight controller with Telemetry Complete Kit with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>Flight Controller: Pixhawk PX4 Autopilot</li> <li>STM32F103 backup coprocessor</li> <li>L3GD20 3-axis digital gyroscope</li> <li>LSM303D 3-axis accelerometer / Magnetometer</li> <li>MPU6000 6-axis accelerometer / magnetometer</li> <li>MS5611 precision barometer Interface</li> <li>compatible UART 1, 2 with hardware flow control</li> <li>CAN Bus Supportable</li> <li>External MICRO USB Interface</li> </ul> <p>Package/Kit Include:</p> <ul style="list-style-type: none"> <li>1x Pixhawk 2.4.8 32bit ARM Flight Controller</li> <li>1x pixhawk shock observer</li> <li>1x Safety button</li> <li>1x buzzer</li> <li>1x 4GB card (IO firmware has written)</li> <li>1x Neo-M8N Gps Module</li> <li>1x Black Gps Holder</li> </ul>	Pixhawk PX4 Flight controller and Telemetry complete Kit OR Equivalent	2		

	<ul style="list-style-type: none"> <li>• 1x Power Module</li> <li>• 1x 433MHZ telemetry</li> <li>• 1x 6pin turn 6pin cable</li> <li>• 1x 4pin turn 4pin cable</li> <li>• Along with other Accessories.</li> </ul>				
184	<p><b>IC MC34063 with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• IC: MC34063</li> <li>• Package: SOP8</li> <li>• Current Rating: 1.5 A</li> </ul>	MC34063 IC SOP8 OR Equivalent	20		
185	<p><b>Carbon Fiber Plate/ Panel/ Sheet with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber Sheet</li> <li>• Size: 200×300</li> <li>• Thickness: 3mm</li> <li>• Color: Black</li> <li>• Material: Carbon Fibre</li> <li>• Surface treatment: 3K and gloss surface of both sides</li> </ul>	Carbon Fiber Sheet/ panel	5		
186	<p><b>Carbon Fiber Plate/ Panel/ Sheet with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber Sheet</li> <li>• Size: 200×300</li> <li>• Thickness: 4mm</li> <li>• Color: Black</li> <li>• Material: Carbon Fiber</li> <li>• Surface treatment: 3K and gloss surface of both sides</li> </ul>	Carbon Fiber Sheet/ panel	5		
187	<p><b>Carbon Fiber square tube with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber square tube</li> <li>• Material: 3K full Carbon fiber</li> <li>• Size: 20x20x18mm</li> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>	3K full Carbon Fiber square tube	5		
188	<p><b>Carbon Fiber square tube with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber square tube</li> <li>• Material: 3K full Carbon fiber</li> <li>• Size: 25x25x23mm</li> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>	3K full Carbon Fiber square tube	5		
189	<p><b>Carbon Fiber square tube with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber square tube</li> <li>• Material: 3K full Carbon fiber</li> <li>• Size: 15x15x13mm</li> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>	3K full Carbon Fiber square tube	5		
190	<p><b>Carbon Fiber circular/roll wrapped tube with standard accessories and following specifications:-</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber circular tube</li> <li>• Material: 3K full Carbon fiber</li> <li>• Size: 10x8mm</li> </ul>	3K full Carbon Fiber circular tube	5		

	<ul style="list-style-type: none"> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>				
191	<p><b>Carbon Fiber circular/roll wrapped tube with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Carbon Fiber circular tube</li> <li>• Material: 3K full Carbon fiber</li> <li>• Size: 16x14mm</li> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>	3K full Carbon Fiber circular tube	5		
192	<p><b>Computer RAM with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• Item: Computer RAM</li> <li>• Memory: 8GB</li> <li>• Type: DDR3</li> <li>• Compatibility: HP Pavilion Desktop System</li> </ul>	8GB Computer RAM	1		
193	<p><b>Double sided Foam tape with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Double Sided Foam Tape</li> <li>• Coated: PE, PU, PVC and EVA etc. OR Equivalent</li> </ul>	Double sided Foam tape OR Equivalent	5		
194	<p><b>Aluminium Rod circular/roll tube with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Aluminum Rod</li> <li>• Material: Aluminium</li> <li>• Size: 14x12mm (circular size)</li> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>	Aluminium Rod circular/roll tube OR Equivalent	5		
195	<p><b>Aluminium square tube/Rod with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Aluminum Rod</li> <li>• Material: Aluminium</li> <li>• Size: 15x15x13mm</li> <li>• Thickness: 1mm</li> <li>• Length: 50mm</li> </ul>	Aluminium square tube/Rod OR Equivalent	5		
196	<p><b>Night Vision 5MP Camera with 2 IR LEDs with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• Item: Night Vision 5MP Camera with 2 IR LEDs</li> <li>• Compatible: Raspberry Pi Board</li> <li>• Used for both attachment and power supply: 3.3v</li> <li>• Along with other Accessories.</li> </ul>	Night Vision 5MP Camera with 2 IR LEDs OR Equivalent	2		
197	<p><b>Camera Module with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p> <p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Item: Raspberry Pi 5MP 1080P Camera Noir Module</li> <li>• Compatible: Raspberry Pi Board</li> <li>• Resolutions: 2592 x 1944</li> <li>• Along with other Accessories.</li> </ul>	Raspberry Pi 5MP 1080P Camera Noir Module OR Equivalent	2		
198	<p><b>Thermal Sensor Board with standard accessories and following specifications:-</b></p> <p><b>Make: Any</b></p>	MLX90640 32x24 Thermal Sensor Module OR Equivalent	2		

	<b>Specifications:</b> <ul style="list-style-type: none"> <li>Item: Thermal Sensor</li> <li>Module: MLX90640 Dev Board</li> <li>Thermal Imager Array: 32x24</li> <li>Interface: I2C</li> <li>Voltage: 5V OR TTL</li> <li>Along with other Accessories.</li> </ul>				
199	<b>Thermal Sensor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specifications:</b> <ul style="list-style-type: none"> <li>Item: Thermal Sensor</li> <li>Module: MLX90621 Dev Board</li> <li>Thermal Imager Array: 16x4</li> <li>Interface: I2C</li> <li>Voltage: 5V OR TTL</li> <li>Along with other Accessories.</li> </ul>	MLX90621 16x4 Thermal Sensor Module OR Equivalent	2		
200	<b>Temperature Sensor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specifications:</b> <ul style="list-style-type: none"> <li>Module model: GY-906-DCI</li> <li>Chip: MLX90614-DC</li> <li>Power supply: 3-5V</li> <li>Communication mode: I2C</li> <li>Along with other Accessories.</li> </ul>	GY-906-DCI Temperature Sensor OR Equivalent	2		
201	<b>PCB Block Terminal with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: PCB Mount (Right Angle) Block Terminal</li> <li>Pitch : 5.08/5mm</li> <li>Pin Diameter : 1mm</li> <li>Color : Green OR Any</li> <li>No of Pins : 3</li> <li>Rated voltage: 300V</li> <li>Rated current: 10A</li> </ul>	3 pin PCB Mount (Right Angle) Block Terminal (Pair: Male & Female)OR Equivalent	100		
202	<b>Bullet Connector for BLDC Motor with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Item: Bullet Connector pair</li> <li>Material: Copper.</li> <li>Plating: Gold plated.</li> <li>Male or female joint thickness: 3.5 mm.</li> <li>Pair: Male and Female Both</li> </ul>	Bullet Connector (Pair: Male and Female) OR Equivalent	100		
203	<b>ABS Plastic junction box with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specifications:</b> <ul style="list-style-type: none"> <li>Dimension: 150mm X 150mm X 70mm</li> <li>Color: white/Grey</li> <li>Screw tight cover</li> </ul>	Local	2		
204	<b>ABS Plastic junction box clear cover with standard accessories and following specifications:-</b>  <b>Make: Any</b> <b>Specifications:</b> <ul style="list-style-type: none"> <li>Dimension: 70mm X 70mm X 25mm</li> <li>Color: white/Grey</li> <li>Screw tight cover</li> <li>Clear cover</li> </ul>	Local	2		
205	<b>Mini Hdmi to Hdmi Adapter with standard accessories and following specifications:-</b>  <b>Make: Any</b>	Mini Hdmi to Hdmi Adapter For Raspberry Pi Zero OR Equivalent	2		

	<b>Specification:</b> <ul style="list-style-type: none"> <li>HDMI Female to HDMI Mini Male Adapter</li> <li>Compatible with Raspberry Pi Zero</li> </ul>				
206	<b>Soldering Fumes Absorber with standard accessories and following specifications:-</b>  <b>Make: Any</b>  <b>Specification:</b> <ul style="list-style-type: none"> <li>Purify soldering fumes</li> </ul>	Local	1		



**TENDER NO. 06/2020-21/NIE**  
**MISC. EQUIPMENT, PARTS, TOOLS & ACCESSORIES FOR COMMUNICATION LAB**

**TERM & CONDITIONS:**

1. Price to be quoted in Pak Rupees on (FOR) free home delivery basis.
2. As the equipment/ items to be procured are based on high tech technology therefore for competitive bidding single stage-two envelopes bidding procedure shall be adopted.
  - (i). the bid shall be comprised a single package containing two separate envelopes, containing separately "**TECHNICAL PROPOSAL**" and "**FINANCIAL PROPOSAL**".
  - (ii). the envelope shall be marked as "**TECHNICAL PROPOSAL**" and "**FINANCIAL PROPOSAL**" in the bold, properly sealed and with legible letters to avoid any confusion.
  - (iii). initially the envelope marked with "**TECHNICAL PROPOSAL**" shall be opened.
  - (iv). the envelope marked with "**FINANCIAL PROPOSAL**" shall be retained in the custody of NIE without being opened.
  - (v). upon evaluation of technical proposals, NIE shall publically open the financial proposal of the technically accepted bids only. The financial proposal of the bids found technically rejected shall be returned un-opened to the respective firms.
3. The bids of the firm operating from their residential address and P.O. Box number will not be considered.
4. Tender number must be specified on the left corner of the bidding envelope.
5. The rates should be valid for at least "**90**" days from the date of tender opening.
6. The offered equipment/ items must be brand new of the original manufacturer and covered under normal warranty/guarantee with necessary back-up support.
7. The bid must be supported with necessary catalogue/ brochure indicating make, model detailed specification and country of origin of the offered equipment.
8. The scope of supplies includes supply of equipment, installation, testing and commissioning of equipment and if necessary training to NIE Personnel's.
9. The financial bid should reflect at sight the following costs separately for fair comparison purpose.
  - i. Unit Price of equipment.
  - ii. GST, if applicable.
10. Conditional/ ambiguous bids will not be entertained.
11. Earnest money @ 2% of quoted prices (Refundable) must be accompanied with tender in shape of a crossed bank draft/ pay order in favour of the Director General NIE.
12. E/M of the successful bidder will be refunded upon submission of prescribe performance/ bank guarantee to NIE and the same shall be released after satisfactory completion of warranty/ guarantee period of the supplied goods.
13. The successful bidder shall provide 5% performance/ bank Guarantee of the total order value of the order to NIE for satisfactory execution of the supply order.
14. The bid found to be lowest evaluated bid shall be accepted only either overall whole tender/items base or each item wise.
15. The estimated delivery/ completion period of supplies/ work must be specified in the quotation.
16. In case of any delay in supplies of ordered items, the successful bidder shall bound to inform NIE to prior to "**15**" days of the ending of last date of delivery, so that necessary approval regarding extension in delivery period may be obtained from Director General NIE otherwise at the time of payment to firm a penalty @ 2% per month of the total order value will be charged from the successful bidder without any notice.
17. Tender of all items may be awarded either to a single party or can be divided among different parties depending upon their professional capabilities and competitiveness in prices individually.
18. **No advance payment will be made.**
19. NTN and GST number must be mentioned on the quotation along with providing copy of its documentary evidence, failing which bid will not be considered.



20. Payment will be made on submission of the prescribed bill in duplicate through crossed cheque OR through Inland L/C after satisfactory completion of supply order and our acceptance thereof, which includes installation, testing, commissioning of the equipment and training etc. The bill presented on the letterhead of the firm will not be accepted for payment purpose.
21. As per Government Policy payment to the firm is subject to the registration of firm name in **Active Tax Payer List of FBR**, otherwise payment will be stopped till the appearance of vendor name in ATL of FBR.
22. Income Tax/ Sales Tax etc. will be deducted from bill as per Govt. Rules.
23. Last date for receipt of the tender in the Procurement Section of NIE is **February 08, 2021 up to 11:00 hours.** Technical proposals of the received firms shall be opened on the same day at **11:30 hours** in the presence of those who wish to be present. Tenders received late will not be considered in any case.
24. The Director General NIE reserves the right to accept or reject any or all tenders in part or whole, or change the quantity of tendered items as per provision of PPRA Rules.

**Muhammad Umair Habib**  
**Dy. Director Procurement**  
**NIE, Islamabad**  
**Ph: 051-9265009 (Ext: 217)**