

Bill of Materials

University	Indian Institute of Technology Roorkee
Team ID	TW=LAM=551
Total Piece	16
Total Cost	₹4,867.00

T S. No.	Part Description	Category	# Quantity	Unit Cost	Total Cost	Vendor Details
1.	Peltier Module	Electronics	1	₹320.00	₹320.00	<a href="#">Robu.in</a>
2.	Liquid Cooling Block	Mechanical	1	₹213.00	₹213.00	<a href="#">Robu.in</a>
3.	DS18B20 Temperature Probe	Mechanical	1	₹89.00	₹89.00	<a href="#">Robu.in</a>
4.	I2C OLED Display	Electronics	1	₹175.00	₹175.00	<a href="#">Robu.in</a>
5.	Rotary Encoder	Electronics	1	₹39.00	₹39.00	<a href="#">Robu.in</a>
6.	ESP 32 MCU Module	Electronics	1	₹436.00	₹436.00	<a href="#">Robu.in</a>
7.	ICE-C200 CPU Cooler	Mechanical	1	₹699.00	₹699.00	<a href="#">Ant Esports</a>
8.	Power Supply 12V @ 10 Amp.	Electronics	1	₹590.00	₹590.00	<a href="#">Amazon.in</a>
9.	Copper Tumbler	Mechanical	1	₹150.00	₹150.00	<a href="#">Copper Tumblr</a>
10.	Male to Male Jumper Wires	Electronics	1	₹42.00	₹42.00	<a href="#">Robu.in</a>
11.	Female to Female Jumper Wires	Electronics	1	₹35.00	₹35.00	<a href="#">Robu.in</a>
12.	Silicone Wires	Electronics	1	₹6.00	₹6.00	<a href="#">Robu.in</a>
13.	Liquid Coolant	Mechanical	1	₹228.00	₹228.00	<a href="#">lubrycant.in</a>
14.	Copper Tube	Mechanical	1	₹472.00	₹472.00	<a href="#">Copper tube</a>
15.	Alumina Wool Insulation	Mechanical	1	₹230.00	₹230.00	<a href="#">Amazon.in</a>
16.	Peristaltic Pump	Mechanical	1	₹899.00	₹899.00	<a href="#">Amazon.in</a>
17.	Raspberry Pi 8 channel Level shifter	Electronics	1	₹96.00	₹96.00	<a href="#">Robu.in</a>
18.	Breadboard	Electronics	1	₹39.00	₹39.00	<a href="#">Robu.in</a>

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19.	Thermal Paste	Mechanical	1	₹109.00	₹109.00	<a href="#">Amazon.in</a>
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