

Material List Robo Race

Product	Options Available	Purchase link
DC Motor(12V/9V recommended)	100-1000 rpm (rotations per minute) Note: With increase in speed power of motor decreases. A motor runs at the rated speed when given the rated voltage. By decreasing the supply voltage speed of motor also reduces. For example: A 12V, 200 rpm motor will run at 200 rpm when 12V supply is given. The current supplied provide power to the motor.	300 RPM DC motor
Chassis	Wooden (wooden boards as per the dimensions of the robot planned. Will require L clamps to mount motors) Metal (readymade)	4 wheel metal chassis
Wheels	70mmx20mm, 100mmx40mm	100x40, 70x20
Power Supply(12V/9V, minimum 1 Amp recommended)	Adaptor Note: Current rating of an adaptor specifies the maximum current that it can supply. For Example; a 12V, 1A adaptor can give maximum 1A current. Battery Note: Current rating of battery is in Ah i.e. Ampere hour. That means a battery of 1Ah can supply 1Ampere current for 1 hour. If the current required by motors is .5A than the battery can run for 2 hours.	12V 1A, 12V 1A Battery, 9V Duracell Battery
Connecting Wire	Ribbon Wire Note: Comes in 8 wire, 10 wire. But only 4 wires will be used in case of wired remote controlled rover. 4 Core Wire Note: Can be purchased from any nearby electrical store.	Ribbon Wire
Remote Control(only for Wired Model)	Can be purchased from the attached link or can be made using wood, acrylic, MDF or cutting slots in a readymade box	Remote casing along with switches
Wireless modules (for wireless model)	When using these modules, the transmitter works as remote and receiver when connected to motors completes the system. Circuit from a remote control toy car can also be used to make the wireless robot. Note: In case of Wired robot, power is supplied to motors through remote while in case of wireless robot battery should be kept on the robot.	4 channel 343MHz wireless relay, 434 MHz Wireless
<p>All the above material can also be found at any nearby electronic shop OR can be purchased online from the listed links OR contact us for any help in purchase.</p> <p>Contact: +918802889909</p>		