

BOM For 6DOF Robot Arm					
Sl. No	Name of the component	Quantity	Pack Price (in ₹)	Final cost (in ₹)	Link
1	Ball bearing (608zz) (4pc.)	5	64	128	https://robu.in/p
2	Bearing (623ZZ) (4pc.)	7	91	182	https://robu.in/p
3	M3 Brake Nut (50pc)	5	134	134	https://onlyscrev
4	Screw M3 x 10 mm (50pc)	36	61	61	https://onlyscrev
5	Screw M3 x 16 mm (25pc)	18	3.56	64	https://onlyscrev
6	Gear GT2 (2pc)	3	40	180	https://robu.in/p
7	Thrust Bearing 8x19x7 mm (1pc)	2	75	150	https://robu.in/p
8	M8 Brake Nut (1pc)	2	5	10	https://onlyscrev
9	Thrust Needle Roller Bearing (AXK90120) (1pc)	1	398	398	https://omrook.c
10	Belt GT2 loop (1pc)	1	69	69	https://robu.in/p
11	Belt GT2 with red tape (1pc)	1	156	156	https://robu.in/p
12	Screw M4 x 40 mm (25pc)	3	40	120	https://onlyscrev
13	M4 Brake Nut (50pc)	3	25	75	https://onlyscrev
14	Aluminium Tube (1pc) (we use pvc)	0	0	0	https://www.exp
15	Screw M8 x 55 mm (25pc)	1	150	150	https://onlyscrev
16	Screw M8 x 90 mm (25pc)	2	175	175	https://onlyscrev
17	Torsion Spring (1pc)	1	99	99	https://www.fast
18	Belt GT2 with Green tape (1pc)	1	156	156	https://robu.in/p
19	M8 Washer (50pc)	1	38	38	https://onlyscrev
20	Screw M8 x 40 mm (25pc)	1	125	125	https://onlyscrev
21	Thrust Bearing 20x40x14 mm (1pc)	1	200	200	https://robu.in/p
22	M5 Brake Nut (50pc)	2	34	68	https://onlyscrev
23	Screw M3 x 5 mm (15pc)	4	17	68	https://onlyscrev
24	Screw M2 x 5 mm (12pc)	8	7	56	https://onlyscrev
25	Bearing 6x19x6 mm (1pc)	1	193	193	https://www.mo
26	Bearing 5x14x5 mm (1pc)	1	150	150	https://www.ind
27	M5 Washer (50pc)	1	66	66	https://onlyscrev
28	Screw M5 x 40 mm (25pc)	1	150	150	https://onlyscrev
29	Screw M6 x 50 mm (25pc)	1	180	180	https://onlyscrev
30	M6 Brake Nut (50pc)	2	42	84	https://onlyscrev
31	Switch (25pc)	1	25	25	https://robu.in/p
32	NEMA17 Stepper Motor (Pro-Range PR42HS40-1504) - D Type Shaft	4	504	2016	https://robu.in/p
33	TowerPro MG996R Digital High Torque Servo Motor	2	347	694	https://robu.in/p
34	Raspberry Pi Zero 2 W (Board)	1	1592	1592	https://robu.in/p
35	DRV8825 Stepper Motor Driver with Aluminum Heat Sink	4	83	332	https://robu.in/p
36	12V 10A 120W Switch Mode Power Supply (SMPS)	1	649	649	https://www.ele
37	OV5647 5MP IR-Cut Camera for Raspberry Pi (Auto Day/Night)	2	734	1468	https://robu.in/p
38	Official Raspberry Pi Zero V1.3 Camera Cable	4	95	380	https://robu.in/p
39	SX1278 LoRa Module Ra-02 433MHz	2	368	736	https://robu.in/p