

The Frame									
SINo.	Parts	MOC	Raw material quantity	Raw Material Cost (Rs)	Total Raw Material Cost (Rs)	Manufacturing Process	Process cost (Rs)	Total Process Cost (Rs)	references
1	Top Top Cover	Aluminium 3003 H-14	2mm sheet of custom size (2500mm x1500mm ), roughly 28.3Kg	250/kg	7,075	Laser Cutting aprox 61-62m of cutting	830/hr	2340	<a href="#">Aluminium Sheet</a>
2	Top Lower Cover								<a href="#">Aluminium Sheet</a>
3	Top Front								<a href="#">Laser cutting</a>
4	Top back								
5	Conectors								
6	Leg1,2					Shaping	100/hr		
7	Bottom Top Cover								
8	Bottom lower Cover								
9	Bottom Front								
10	Bottom back								
Total Cost for Frame:								9,415	

The Stator and Rotor									
SINo.	Parts	MOC	Raw material quantity	Raw Material Cost (Rs)	Total Raw Material Cost (Rs)	Manufacturing Process	Process cost (Rs)	Total Cost (Rs)	references
1	Stator	PLA fillament	1338g	780/kg	1038	3d printing		1038	<a href="#">PLA Fillament</a>
2	rotor	PLA fillament	1886.4g	780/kg	1466	3d printing		1466	<a href="#">PLA fillament</a>
3	Magnets	n54 neodymium magnets	198	38/piece	7524	-		7524	<a href="#">magnets</a>
4	Coils	copper wire 18-20Guage	50-90 meters	10/m	900	-		900	<a href="#">Copper wire</a>
Total Cost for Stator and Rotor:								10928	

The Generator Casing								
SINo.	Parts	MOC	Raw material quantity	Raw Material Cost (Rs)	Total Raw Material Cost (Rs)	Manufacturing Process	Process cost (Rs)	Total Process Cost (Rs)
1	Top cover	Aluminium 3003 H-14	included in the Frame's Sheet					-
2	Bottom Cover							
3	Top Ring							
4	Cover							
Total Cost for Generator Casing:								included in frame

Bearings and bolts									Reference s
SINo.	Parts	MOC	Raw material quantity	Raw Material Cost (Rs)	Total Raw Material Cost (Rs)	Manufact uring Process	Process cost (Rs'HR)	Total Cost (Rs)	
1	Axial	Stainless Steel rod	18 bits	38/bit	684	CNC	100	884	<a href="#">CNC</a>
2	Axial bearings	standard	27	28/piece	756			756	<a href="#">Axial Bearing</a>
3	thrust bearing	standard	9	128/piece	1152			1152	<a href="#">thrust bearing</a>
4	bolts m5 x 10mm	steel	72	10/piece	720			720	<a href="#">M5 x 10mm</a>
5	bolts m6 x 12mm	steel	54	6/piece	338			338	<a href="#">m6 x 12mm</a>
6	bolts m8x 16mm	steel	12	12/piece	144			144	<a href="#">m8 x 16mm</a>
7	bolts m12x 80mm	steel	8	38/piece	304			304	<a href="#">m12 x 80mm</a>
Total Cost for bolts&bea rings:								4298	

The Blade								
SINo.	Parts	MOC	Raw material quantity	Raw Material Cost (Rs)	Total Raw Material Cost (Rs)	Manufact uring Process	Process cost (Rs)	Total Process Cost (Rs)
1	blade	PLA Fillament	15147g	780/kg	11809	3d printing		11809
Total Cost for blade:								11809

The Wind Wall		
SINo.	Parts	Total/part Cost (Rs)
1	Frame &	9,415
2	Blade	11809
3	Stator & Rotor	10928
4	Bearings & Bolts	4298
5	Labor	8000
Grand Total for		44450