## Budget Estimate and Justification for the Development of an Affordable Solar Photovoltaic Powered Vehicle-Trailed System for Rice Threshing Machine for Off-Grid Farming Communities

S/N	<b>Item Description</b>	Quantity	Unit Cost (₦)	Total (₹)
1	Solar panels (300W each)	4	500,000	2,000,000
2	Battery (12V, 100Ah, deep cycle)	4	400,000	1,600,000
3	MPPT Charge Controller	2	300,000	600,000
4	DC Electric Motor (1–2 HP)	1	450,000	450,000
5	Fabrication of trailer/chassis	1	3,700,000	3,700,000
6	Rice threshing unit (custom-built)	1	4,400,000	4,400,000
7	Inverter	1	1,200,000	1,200,000
8	Wiring, switches, and mounting hardware	-	500,000	500,000
9	Awareness, training, and dissemination	-	3,500,000	3,500,000
10	Contingency 10%			1,754,500
11	Total cost			<b>№</b> 19,299,500