

SECTION ONE: PROJECT BUDGET FOR HARDWARE

S/N	COMPONENTS	QUANTITY	UNIT COST (₦)	TOTAL COST (₦)
1	Detachable lithium battery bank	2	80,000	160,000
2	Solar panel	1	80,000	160,000
3	Charge controller	2	30,000	60,000
4	Temperature and relative humidity sensor	4	16,000	64,000
5	Atmospheric pressure sensor	4	8,000	32,000
6	Arduinonano	3	12,000	36,000
7	Router modem	2	18,000	36,000
8	TFT Display	3	20,000	60,000
9	Variable resistor	5	2,000	10,000
10	LDR	7	1,500	10,500
11	Jumper (du point cables female to female)	5 lots	1050	5,250
12	Frictionless anemometer	1	90,000	90,000
13	Frictionless wind vane	1	77,000	77,000
14	Multiple channel relay	3	3,200	9,600
15	Rain drop sensor	4	2,200	8,800
16	Double sided coated PCB	1	40,000	40,000
17	Automobile connectors	2 lots	7,000	14,000
18	Switches	3	300	900
19	Adjustable voltage regulator	3	8,00	2,400
20	Diodes	7	200	1,400

21	Ribbon cables	5 lots	3,000	3,000
22	GSM high frequency module	1	57,000	57,000
23	LIM DC to DC step down	3	5,500	16,500
	TOTAL			₦ 819,350

Total:₦ 819,350

SECTION TWO: PROJECT BUDGET FOR REINFORCED COMPOSITE PLASTIC AND STAND

S/N	COMPONENTS	QUANTITY	UNIT COST (₦)	TOTAL COST (₦)
1	Case and stand	1	530,000	530,000
	TOTAL		530,000.00	530,000.00

Total:₦530,000.00

SECTION THREE: PROJECT BUDGET FOR SERVER, MACHINE LANGUAGE AND ARTIFICIAL NEURAL NETWORK DEVELOPMENT

S/N	COMPONENTS	QUANTITY	UNIT COST (₦)	TOTAL COST (₦)
1	Server, Machine Language and Artificial Neural Network Development	1	585,000	585,000
	TOTAL		585,000.00	585,000.00

Total:₦585, 000.00

Grand total: ₦1,934,350.00

For six weather stations: $\text{₦1,934,350.00} \times 6 = \text{₦11,606,100}$