

Total project

Costs project P01: Wind measurements

Direct/indirect labor cost	Phase tasks	Unit costs CFA	Amount persons	Amount days CFA	EUR	Total Costs	Additional info
Wage (incl food) group	Phase 1: Production 1 tower	4500 per person/day	3	12	162000	259	259
	Phase 1: installation HB	4500 per person/day	3	6	81000	130	130
	Phase 1: Measurement Campaign (bi-weekly)	4500 per person/day	2	4	36000	58	58
	Phase 1: De-installation metmasts	4500 per person/day	3	6	81000	130	130
	wage tower specialist Mama	12000 per person/day	1	18	216000	346	346
	wage Baba/Yvonne/Oumar	77000 per month	1	3	231000	370	370
	transportation	8000 per day	1	28	224000	358	358
	Rent workshop Yvonne	3000 per day	1	12	36000	58	58
						1707	
Wage (incl food) group	Phase 2: Production 1 tower (second)	4500 per person/day	3	12	162000	259	259
	Phase 2: installation 2 sites	4500 per person/day	3	6	81000	130	130
	Phase 2: Measurement Campaign (bi-weekly)	4500 per person/day	2	26	234000	374	374
	Phase 2: De-installation metmasts	4500 per person/day	3	6	81000	130	130
	wage Mama	12000 per day	1	18	216000	346	346
	wage Baba/Yvonne/Oumar	77000 per month	1	6	462000	739	739
	transportation	8000 per day	1	50	400000	640	640
	Rent workshop Yvonne	3000 per day	1	12	36000	58	58
Total						2675	

Material costs	Phase	Unit costs CFA	Amount items	CFA	EUR	Total Costs	Additional info
Tower tubular material (12m)	Phase 1: first metmast		1		100	100	Including transportation
Guy wires	Phase 1: first metmast		8		13	100	Estimation
Tools costs	Phase 1: first metmast		1		250	250	
Anemometers	Phase 1: first metmast		1		385	385	
Misc materials	Phase 1: first metmast		0.5		1000	500	
						1335	
Tower tubular material (12m)	Phase 2: second metmast		1		100	100	Including transportation
Guy wires	Phase 2: second metmast		8		13	100	Estimation
Tools costs	Phase 2: second metmast		1		250	250	
Anemometers	Phase 2: second metmast		1		385	385	
Misc materials	Phase 2: second metmast		0.5		1000	500	
						1335	
Other costs							
Instruction material (video)			1		500	500	Estimation of reimbursement of costs camera man
						500	
Contingencies	Phase 1		0.1			304	10% of total budget are taken as unexpected costs
Contingencies	Phase 2		0.1			401	10% of total budget are taken as unexpected costs
Contingencies	Other costs		0.1			50	10% of total budget are taken as unexpected costs

Total costs phase 1 3346
Total costs phase 2 4411
Total costs 8307