

Supplementary File1 – La Brena Landscape Design Costs

No.	Work*	Unit	Cost (€)	Quantity	Budget (€)
1	Planting soil placed on downstream slope	m ³	28,01	12.614,400	353.329,34
2	Hydroseeding of herbaceous plants	m ²	2,67	15.974,784	42.652,67
3	Hydroseeding of herbaceous and shrubs	m ²	2,88	3.993,696	11.501,84
4	Tree supply	pc.	19,07	440,000	8.390,80
5	Tree supply	pc.	16,71	860,000	14.370,60
6	Tree planting	pc.	119,94	440,000	52.773,60
7	Shrub planting	pc.	95,14	860,000	81.820,40
8	Tree planting	pc.	2,90	440,000	1.276,00
9	Shrub planting	pc.	1,70	860,000	1.462,00
10	Pumping system from the river to the regulating tank	pc.	66.944,29	1,000	66.944,29
11	Pumping system to the distribution center	pc.	61.637,98	1,000	61.637,98
12	Installation of drip irrigation system in section 1	pc.	8.605,50	1,000	8.605,50
13	Installation of drip irrigation system in section 2	pc.	10.076,62	1,000	10.076,62
14	Installation of drip irrigation system in section 3	pc.	7.931,87	1,000	7.931,87
15	Installation of drip irrigation system in section 4	pc.	8.190,46	1,000	8.190,46

16	Installation of drip irrigation system in section 5	pc.	8.705,46	1,000	8.705,46
17	Installation of drip irrigation system in section 6	pc.	8.826,73	1,000	8.826,73
18	Installation of drip irrigation system in section 7	pc.	7.334,30	1,000	7.334,30
19	Formation of downstream face access road	m	8,67	2.700,000	23.409,00
Total budget					779.239,46
Contractor Discount Rate				0,6999	
Final bduget					545.389,70
No.	Work	Unit	Cost (€)	Quantity	Budget (€)
20	Complete installation of galvanized steel staircase of 1.20 m width	pc.	560,00	118,000	66.080,00
21	Braided galvanized steel wire 6Φ, anchored with screws every 5 m, including pretensioners, rings and assembly	m	3,8	22.240,000	84.512,00
Total budget					150.592,00
Contractor Discount Rate				0,828309498	
Final bduget					124.736,78

Total cost of planting and downstream face works (landscape design) (€)	670.126,48
Total cost of dam (€)	120.260.000,00
Percentage of contribution of landsape design to total dam cost(%)	0.56

Comments and clarifications

- The original language the budget provided to us by Antonio S. Zabal, manager engineer of La Brena II dam, was Spanish. Thus, all terms that are presented in this file have been translated by the authors to English.