

Additional Information for Expression of Interest

Mtkvari HPP LLC, the Subsidiary of JSC “Caucasus Energy and Infrastructure”, announces the following additional information concerning civil and erection works, to the attention of interested persons to participate in Expression of Interest in 38-42 MW Mtkvari HPP Construction Project in Samtskhe – Javakheti Region:

SPREADSHEET OF CIVIL AND ERECTION WORKS

№	List of main executable works	Unit	Quantity
1	River Bed Clearance		
	Excavation:		
	-Gravel, pebble	Thousand m ³	352,88
	-Soil transport up to 5 km	Thousand m ³	352,88
2	Jumpers		
	Earth-deposit:		
	-Soft soil	Thousand m ³	1,361
	-Gravel, pebble	Thousand m ³	1,789
	-Rock	Thousand m ³	1,775
3	Ground Dam		
	Excavation:		
	-Gravel, pebble	Thousand m ³	54,81
	-Rock	Thousand m ³	-
	-Earth-deposit:		
	-Soft soil	Thousand m ³	135
	-Gravel, pebble	Thousand m ³	187
	-Rock	Thousand m ³	237,5
	-Filters, drain	Thousand m ³	39,5
	Riprap protection	Thousand m ³	18
	Cement-grout curtain arrangement	m	6815
	Cementation:	m	1300
	Laying of concrete	Thousand m ³	8,3
	Concrete reinforcement	tonne	400
4	Road earth-deposit		
	Excavation:		
	-Soft soil	Thousand m ³	4,08
	-Gravel, pebble	Thousand m ³	21,42

№	List of main executable works	Unit	Quantity
	-Rock	Thousand m ³	1,02
	Earth-deposit:		
	-Gravel, pebble	Thousand m ³	187
	-Rock	Thousand m ³	129
	Cementation	thousand running metres	2870
5	Operational-constructing Spillway		
	Excavation:		
	-Soft soil	Thousand m ³	24
	-Gravel, pebble	Thousand m ³	55
	-Rock	Thousand m ³	105,6
	Earth-deposit:		
	-Rock	Thousand m ³	49,9
	Laying of concrete	Thousand m ³	18,97
	Concrete reinforcement	tonne	758,8
6	Water conveyance structure		
	Excavation:		
	-Soft soil	Thousand m ³	0,48
	-Gravel, pebble	Thousand m ³	38,12
	-Rock	Thousand m ³	20,3
	Laying of concrete	Thousand m ³	4,88
	Concrete reinforcement	tonne	122
7	Intake Channel		
	Excavation:		
	-Gravel, pebble	Thousand m ³	6,7
	-Rock	Thousand m ³	17,3
	Rock Backfilling	Thousand m ³	5,2
	Concrete	Thousand m ³	7,5
	Concrete reinforcement	tonne	300
8	Pressure Tunnel		
	Rock Excavation	Thousand m ³	239,4
	Soil transport, 7 km	Thousand m ³	239,4
	Concrete lining	Thousand m ³	51,9
	Concrete reinforcement	tonne	2076

№	List of main executable works	Unit	Quantity
	Metal covering	tonne	155,6
	Plaster base - concrete	Thousand m ³	165,7
9	Surge shaft		
	Excavation:		
	-soft soil	Thousand m ³	1,1
	-rock	Thousand m ³	18,2
	Soil transport, 7 km	Thousand m ³	18,2
	Concrete lining	Thousand m ³	2,266
	Concrete reinforcement	tonne	90,64
10	HPP Building		
	Excavation:		
	-Gravel, pebble	Thousand m ³	20,09
	-Rock	Thousand m ³	56,35
	Backfilling	Thousand m ³	7,49
	Concrete	Thousand m ³	15,75
	Concrete reinforcement	tonne	708,75
	Crest structure		
	Cast-in-situ reinforced concrete	Thousand m ³	0,252
	Concrete reinforcement	tonne	57,19
	Metal-roll	tonne	82,95
	External boundary wall	m ²	1414
	Stained glass	m ²	436,8
11	Outlet canal		
	Excavation:		
	-Soft soil	Thousand m ³	33,1
	-Rock	Thousand m ³	2,61
	backfilling	Thousand m ³	9,9
	Concrete	Thousand m ³	3,12
	Concrete reinforcement	tonne	78
12	Open distributional substation 110 Kv		
	Rock Excavation	Thousand m ³	19,7
	Rock earth-deposit	Thousand m ³	14,8
	Concrete	Thousand m ³	0,105

№	List of main executable works	Unit	Quantity
	Asphalt coat	Thousand m ²	1,2
13	Roads		
	Excavation:		
	-Gravel, pebble	Thousand m ³	25,36
	-Rock	Thousand m ³	80,07
	Rock earth-deposit	Thousand m ³	25,4
	Paving	Thousand m ²	18,485
	Edge of pavement	m	3330
	Concrete	Thousand m ³	1,06
	Reinforced concrete pipe	Thousand m ³	1,8
14	Adits		
	Rock Excavation	Thousand m ³	31,8
	Soil transport, 3 km	Thousand m ³	31,8
	Concrete adits portal	Thousand m ³	0,246
	concrete reinforcement	tonne	14,1
	Plaster base-concrete	Thousand m ²	1,836