

Phase 1 - Assessment

Preparation of design report in accordance of Annex 1b to the ToR that includes: i) cost-estimation for construction of weirs; ii) detailed design drawings of the construction weirs; iv) procurement plan of necessary equipment and construction material, as specified in Annex 1a to ToR

Customer: Human Dynamics

Date: 30.05.2016

1) WP326, S4

Spring location: Purkio vill. Shuakhevi region, in the pine forest

GPS Coordinates:

N: 41 36 50,4

E: 42 16 04,6

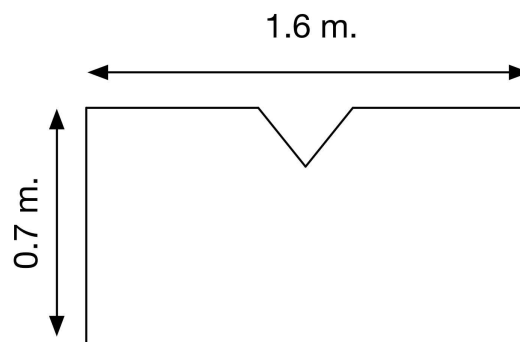
Weir Details:

Width of the stream: 0.65 m.

Weir width: 1.6 m.

Weir height: 0.7 m.

Drawing:



Note: The drawing is for reference only. The weir and protection well-head would be manufactured/ installed as per ToR (Annex 1) requirements

2) WP328, S6

Spring location: Chaltisa vill. near the restaurant, Shuakhevi region

GPS Coordinates:

N: 41 36 49,0

E: 42 16 16,5

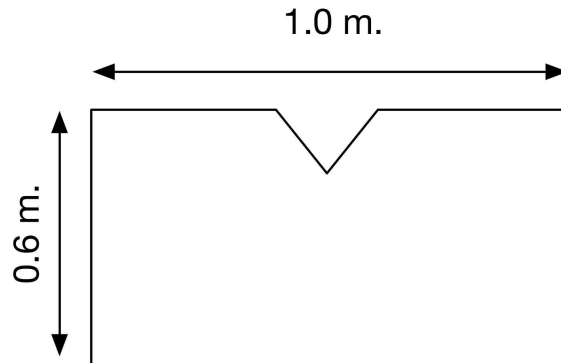
Weir Details:

Width of the stream: 0.6 m.

Weir width: 1.0 m.

Weir height: 0.6 m.

Drawing:



Note: The drawing is for reference only. The weir and protection well-head would be manufactured/ installed as per ToR (Annex 1) requirements

3) WP329, S7

Spring location: Buturauli vill. Shuakhevi district

GPS Coordinates:

N: 41 36 41,1

E: 42 16 18,0

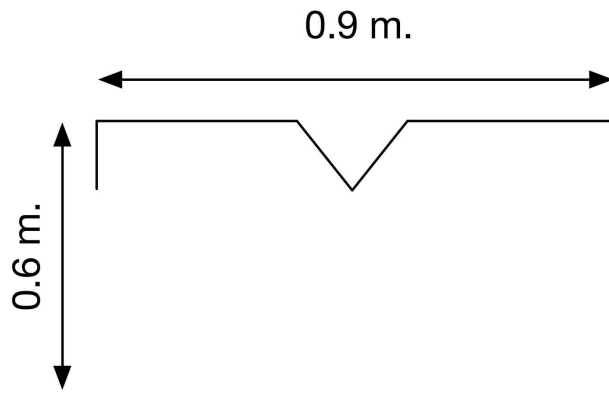
Weir Details:

Width of the stream: 0.7 m.

Weir width: 0.9 m.

Weir height: 0.6 m.

Drawing:



Note: The drawing is for reference only. The weir and protection well-head would be manufactured/ installed as per ToR (Annex 1) requirements

4) WP331, S9

Spring location: Shevaburi vill., Keda district

GPS Coordinates:

N: 41 34 52,2

E: 41 56 43,9

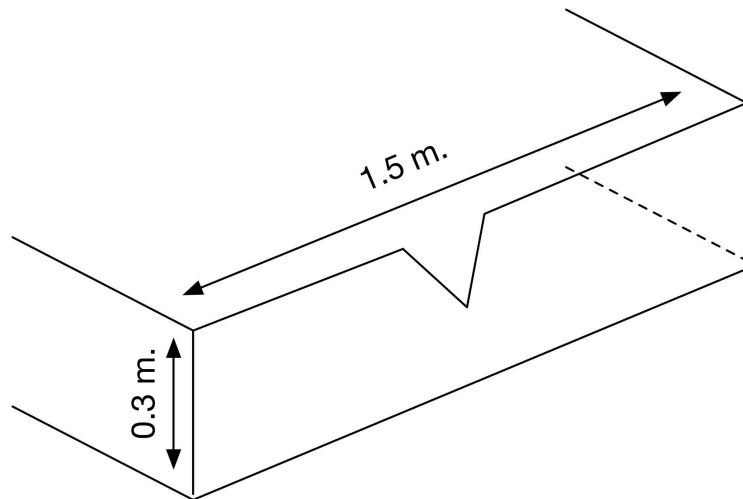
Weir Details:

Width of the stream: 1.0 m.

Weir width: 1.5 m.

Weir height: 0.3 m.

Drawing:



Note: The drawing is for reference only. The weir and protection well-head would be manufactured/ installed as per ToR (Annex 1) requirements

5) WP333, S11

Spring location: Kuchula, spring near the road Keda-Merisi at the bus station

GPS Coordinates:

N: 41 35 18,6

E: 41 57 2,3

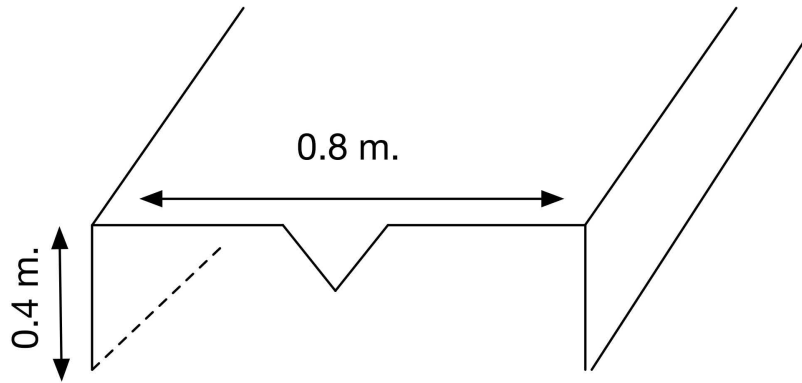
Weir Details:

Width of the stream: 0.4 m.

Weir width: 0.8 m.

Weir height: 0.4 m.

Drawing:



Note: The drawing is for reference only. The weir and protection well-head would be manufactured/ installed as per ToR (Annex 1) requirements

6) WP334, S12

Spring location: Jocho village, Khelvachauri district

GPS Coordinates:

N: 41 34 39,26

E: 41 41 38,41

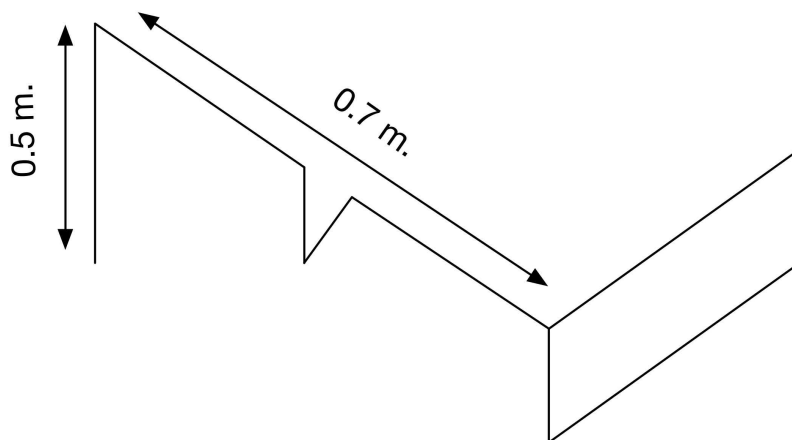
Weir Details:

Width of the stream: 0.5 m.

Weir width: 0.7 m.

Weir height: 0.5 m.

Drawing:



Note: The drawing is for reference only. The weir and protection well-head would be manufactured/ installed as per ToR (Annex 1) requirements

Procurement List

#	Description	Quantity
1	Electronic water level & temperature meter - Solinst 3001 LT Levellogger Edge	4
2	Atmospheric pressure meter (barologger) - Solinst 3001 LT Barologger Edge	4
3	Direct read cable 1.5 m. long (Solinst)	12

Cost Estimation

#	Description	Unit Price (EUR)	Quantity	Total Price (EUR)
1	Preparation of a detailed design report, including design, cost estimation for construction and drawings	400	1	400
2	Construction of weirs	810	6	4,860
3	Purchase of the equipment for 4 stations	4,940	1	4,940
4	Field check, adjustment and maintenance of sensors and data loggers and certification	800	1	800
			Total:	11,000

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