



EUROPEAN UNION

Delegation of the European Union to Bosnia and Herzegovina

### **Clarification No. 1**

**Project Title:** "Regulation of Bosnia River in Sarajevsko Polje" - IPA 2011, Bosnia and Herzegovina (Re-launch)

**Publication reference:** EuropeAid/136-507/DD/WKS/BA

**Tender No:** EC/BIH/TEN/14/024

Question 1: Does the Bid price offer include cumulative works for the Component I, Component 2A, 2B Component, Component 3 and Component 4?

If yes, please note that, in the Volume 4.3.2 overall recapitulation of all the works is missing.

Answer 1: Yes, the total price offered must include cumulative works price including 5% provisional sum for unforeseen works for all five components.

Please see Corrigendum No.2.

Question 2: Please specify the type and the characteristics of Geomat/Geogrid.

Answer 2: Geonet is two-dimensional, mesh size 29x32 mm, strength max. longitudinal/trasverzal 34/42 kN/m, and specific weight of 540 g/m<sup>2</sup>. These are general boundary conditions, and it can be from manufacturer to manufacturer differences in 5%. The most important thing is that it is set and fixed according to the manufacturer's instructions, and it is essential that the time frame to settle batter and grass must have deep roots.

Question 3: Please provide us with design details for the following:

- concrete works –concrete wall slope
- fixation sills and vertical wall

Answer 3: Details of concrete works – concrete wall slope are enclosed in the drawings that are provided to bidders on the respective CD, as instructed in the related Contract Notice.

The vertical walls are not foreseen. Details of fixation sills are enclosed in the drawings that are available to bidders on the respective CD, as instructed in the related Contract Notice.

Question 4: Please provide us with design details for the „reno mattresses,, made of galvanized wire.

Answer 4: RENO MATTRESS is a long and thin construction thick up to 30 cm. It is consisted of non-interrupted slab that forms the bases, walls of buckets and diaphragm. For covering of the mattress are placed special panels "covers", but also can be used a double-woven wire net in rolls. It is used for paving/coating of rivers and canals, and it is also the part of the construction of gabions. Gabions and Reno mattresses are open and mantled on hard surface. Sides and diaphragms are raised into upright position in order to form the basket. Upper parts are secured with thick edge wire. Edges are mutually joined with

rings or wire, starting from the top towards the bottom. Rings are put at every 20 cm of length, by manual or pneumatic joining device. They are placed in line on the flat surface and mutually connected before filling. The principle is that at least one gabion is in front of the gabions that are to be filled. They are filled with appropriate stones 50 – 75 mm above the top level of the net, to enable the settling due to its own weight. When considered as necessary from aesthetic and other reasons, gabions and Reno mattresses can be filled with tension. They are tensioned by implementation of load distributed on whole end panel, joined to first cell, which is anchored to the position.

