



Corrigendum No.2 to the Tender Dossier  
Supply of equipment for the development of hydrological flood forecasting system for Sava River Basin in  
Bosnia and Herzegovina (Phase 1, Bosna River)

Publication reference: EuropeAid/138452/SUP/BA; Tender no: EC/BIH/16/018

**ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER**

➤ **Technical specifications, Page 10/61, item 1.4.3.:**

"Warranty for all items in this tender must be on "collect and return" basis, i.e. if an item cannot be repaired on site, the Contractor should organize the transport from the beneficiary's premises to the Contractors/manufacturers authorized service location at its own expense, repair/replace it and return it back to the Beneficiary."

The above provision is deleted and now reads:

*"Warranty for all items in lots 1, 2 and 3 must be on "collect and return" basis, i.e. if an item cannot be repaired on site, the Contractor have to organize the transport from the beneficiary's premises to the Contractors/manufacturers authorized service location at its own expense, repair/replace it and return it back to the Beneficiary."*

*Warranty for all items in lot 4 must be on "collect and return" basis, i.e. if an item cannot be repaired on site, the Contractor have to organize the transport from the installation sites (as listed in Appendix III of the Technical Specifications) to the Contractors/manufacturers authorized service location at its own expense, repair/replace it and return it back to the installation site."*

➤ **LOT 1: IT and Supporting Equipment**

**Item 1.7. RUGGED LAPTOP – water resistant laptop – 3pcs**

a) Requirement: "Dimensions (W x D x H): max. 370 x 250 x 55 mm)" is deleted and now reads:

*"Dimensions (W x D x H): max. 370 x 250 x 55 mm), tolerance up to + 10% is allowed."*

b) Requirement: "Primary Battery: at least 65Wh Lithium Ion battery." is deleted and now reads:

*"Primary Battery: Lithium Ion 6 cells. Total battery(ies)'s capacity at least 65Wh. Max. number of batteries to achieve mentioned capacity is 2 (two)."*

**Item 1.8 – LAPTOP – 8 pcs**

Requirement: "Dimensions: max. 400mm (W) x 260mm (D) x 27mm (H)" is deleted and now reads:

*"Dimensions: max. 400mm (W) x 260mm (D) x 27mm (H) , tolerance up to + 10% is allowed."*

➤ **LOT 4 – Meteorological and Hydrological Stations**

**Item 4.1. Precipitation gauge station - 11 pcs**

Requirement: "MAIN MAST (2.5 meters high vertical mast)" is deleted and now reads:

*"MAIN MAST (vertical mast, height min 2.5/max 3.0 meters). Sensor for air temperature and relative humidity must be at 2m (WMO No 8, item 2.1.4 and 4.1.4 respectively)"*

#### **Item 4.2. Complex Meteorological station - 9 pcs**

Weather Sensor for measuring of air temperature, relative humidity, air pressure, wind direction and wind speed:

Requirement: "- up to 10 meter pole" is deleted and now reads:

*"- min. 10 meter pole with lighting protection system (rod). Sensor for wind speed and wind direction have to be at 10m above the ground (WMO No 8, item 5.9) and sensor for air temperature and relative humidity at 2m (WMO No 8, item 2.1.4 and 4.1.4 respectively). Mast's height for wind sensor has to be 10 m from the ground."*

#### **Item 4.3. Groundwater Level Measuring Station – 3 pcs**

a) Requirement: "- Memory: 4 MB, approx. for min 500,000 measured values;" is deleted and now reads:

*"Memory: 4MB, for **min 280,000 measured values;**"*

b) Sensor technical specifications: requirement: "- Power supply: Lithium cells, at least 3.6 V/26 Ah;" is complemented with following:

*"The batteries must be replaceable at the installation site."*

#### **Item 4.4. Hydrological Station – 10 pcs**

a) Control cabinet characteristics: is complemented with the following:

*"- mounting poles for the allocation of control cabinet."*

b) *The following text is added:*

*In regard to item 4.4. Hydrological stations to be supplied for the RHMS, as per Annex III, please see below data:*

*Number of staff gauges is:*

- 5 on hydrological station Teslić
- 6 on hydrological station Derventa and
- 5 staff gauges on hydrological station Stanić rijeka, Spreča river.

*Also staff gauges need to be numerated for each station:*

- Derventa 0 – 6 m on 6 metal carrier
- Teslić 0 - 5 m on the pillar of the bridge
- Stanić rijeka 0-5 m on the pillar of the bridge

*In regard to item 4.4. Hydrological stations to be supplied for the FHMI, as per Annex III, please see below data on ranges and quantities of "staff gauge" to be supplied:*

*HS Sarajevo (0-400 cm); HS Reljevo (0-600 cm); HS Kiseljak (0-300 cm); HS Zenica (0-500 cm); HS Han Bila (0-300 cm); HS Tuzla (0-500 cm).*

*In regard to item 4.4. Hydrological station to be supplied for the DB, as per Annex III, the number of staff gauges is 6.*

*For all the above, all staff gauges need to be cast with markers on 2 cm on 1 m length. All staff gauges have to be numerated.*

*All staff gauges have to be installed on metal carriers that will be provided by the beneficiaries (as a part of preparatory works that are in responsibility of the beneficiaries). Installation of the staff gauge and metal carrier is responsibility of the Beneficiary.*

#### **Appendix I - Delivery schedule per each lot**

##### **Lot 4: Meteorological and Hydrological Stations**

The following sentence: "\* Delivery and installation locations of Meteorological and Hydrological Stations are different than addresses of Hydro-meteorological Institutes. Location are described in Appendix III." is deleted and now reads:

*"\* Delivery and installation locations of equipment subject to Lot 4 are different than addresses of Hydro-meteorological Institutes. Location are described in Appendix III."*

### **Appendix III - Locations of future monitoring stations**

#### **a) Item 4.3. Groundwater Level Measuring Station:**

for the FHMI:

"- GWS Plandište – Tukovi: Latitude: 43°50'00"N; Longitude: 18°17'05"E

- GWS Sokolović Kolonija: Latitude: 43°18'19"N; Longitude: 18°19'38"E."

The above text is deleted and now reads:

*"GWS Novi Grad: Latitude: 43°50'48"N; Longitude: 18°20'24"E*

*GWS Lukavac: Latitude: 44°31'17"N; Longitude: 18°31'34"E."*

#### **b) Item 4.4. Hydrological Station:**

for the FHMI:

Text: "HS Kiseljak most: Latitude: 43°56'35"N; Longitude: 18°04'54"E." is deleted and now reads:

*"HS Kiseljak most: Latitude: 43°55'54"N; Longitude: 18°05'30"E."*

**These changes apply to the whole tender dossier. All other terms and conditions of the Tender Dossier remain unchanged. The above changes to the Tender Dossier are integral part of the Tender Dossier.**