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

**Contract title:** Supply of Multifunctional vehicle with a full range equipment, within Project No CB005.2.11.113 “Joint Initiatines for Flood Resilience Across Watersheds in CB Region/ FLOOD RESILIENCE”, Priority Axis: Environment, Specific Objective**:** 1.1. Preventing and mitigating the consequences of natural and man-made disasters in the cross-border area, Type of project:Investment **p 1 /…**

**Publication reference:** CB005.2.11.113 – SUPPLY -01

**Columns 1-2 should be completed by the contracting authority**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient)
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
|  | ***Multifunctional vehicle with a full range equipment – 1 unit with the following minimum techical requirements*** |  |  |  |
| **1.** | **Operating weight:** min. 18 000 kg |  |  |  |
| **2.** | **Engine:** |  |  |  |
| 2.1. | Common rail direct injection, water-cooled diesel engine |  |  |  |
| 2.2. | Net engine power – min. 100 kW (ISO 9249) |  |  |  |
| 2.3. | Min. 4 – cylinder, 4 – stroke |  |  |  |
| 2.4. | Engine displacement – min. 4 500 cm³ |  |  |  |
| 2.5. | Engine emissions – min. EU Stage IV |  |  |  |
| 2.6. | Travel speeds – min. 35 km/h |  |  |  |
| **3.** | **Hydraulic system:** |  |  |  |
| 3.1. | Hydraulic pump – axial-piston pump with variable flow |  |  |  |
| 3.2. | Hydraulic lineс for attachments – min. 2 lines |  |  |  |
| 3.3. | Pump flow – min. 300 l/min |  |  |  |
| 3.4. | Swing speed – min. 11 rpm |  |  |  |
| **4.** | **Cab:** |  |  |  |
| 4.1. | ROPS/FOPS protection |  |  |  |
| 4.2. | Cab with tinted safety glass windows, silenced |  |  |  |
| 4.3. | Lockable door |  |  |  |
| 4.4. | Heated, adjusable seat |  |  |  |
| 4.5. | Automatic climate control system |  |  |  |
| 4.6. | Surround view camera system – min. 3 cameras |  |  |  |
| **5.** | **Boom:** |  |  |  |
| 5.1. | Two piece boom |  |  |  |
| 5.2. | Arm – min. 3 000 mm |  |  |  |
| **6.** | **Working range:** |  |  |  |
| 6.1. | Digging depth – min. 5 850 mm |  |  |  |
| 6.2. | Digging height – min. 10 300 mm |  |  |  |
| 6.3. | Digging reach at ground level – min. 9 200 mm |  |  |  |
| 6.4. | Dumping height – min. 7 850 mm |  |  |  |
| **7.** | **Dozer blade – included** |  |  |  |
| **8.** | **2 outriggers - included** |  |  |  |
| **9.** | **Automatic greasing system - included** |  |  |  |
| **10.** | **Electric refuelling pump** |  |  |  |
| **11.** | **Operation & Maintenance Manual:** |  |  |  |
| 11.1. | Operation & Maintenance Manual in bulgarian language – with guidance for the operator and technicians |  |  |  |
| 11.2. | Technical maintenance schedule |  |  |  |
| 11.3. | СЕ certificate |  |  |  |
| **12.** | **Working equipment** |  |  |  |
| 12.1. | Hydraulic Quick coupler |  |  |  |
| 12.2. | Hydraulic hammer |  |  |  |
| 12.2.1. | Operating weight – min. 850 kg |  |  |  |
| 12.2.2. | Impact rate (frequency) – 550 – 950 bpm |  |  |  |
| 12.2.3. | Input power – min. 35 kW |  |  |  |
| 12.3. | Hydraulic Mulcher |  |  |  |
| 12.3.1. | Operating weight – min. 1 100 kg |  |  |  |
| 12.3.2. | Working width – min. 1 300 mm |  |  |  |
| 12.3.3. | Shredding diameter – min. 200 mm |  |  |  |
| 12.4. | Stump milling cutter |  |  |  |
| 12.4.1. | Work diameter – min.250 mm |  |  |  |
| 12.4.2. | Auger diameter – min. 300 mm |  |  |  |
| 12.5. | Hydraulic compactor |  |  |  |
| 12.5.1. | Operating weight – min. 850 kg |  |  |  |
| 12.5.2. | Frequency – min. 2000 bpm |  |  |  |
| 12.5.3. | Compaction power – 6 000 kg |  |  |  |
| 12.6. | Tilting skeleton bucket – min. 1 200 mm |  |  |  |
| 12.7. | Trapezoidal bucket for road trenches |  |  |  |
| 12.8. | Excavating bucket – min. 0.5 m³ |  |  |  |
| 12.9. | Excavating bucket – min. 0.9 m³ |  |  |  |
| **13.** | **Free lifetime wireless control and monitoring system** |  |  |  |
| 13.1. | GPS location of the machine |  |  |  |
| 13.2. | Fuel consumption and working modes reports |  |  |  |
| 13.3. | Generating and storing a complete service history |  |  |  |
| 13.4. | Anti theft protection and remote locking of the machine |  |  |  |
| **14.** | **Warranty – min. 5 years / 3000 work hours** |  |  |  |
| **15.** | **Planned technical maintenance – min. 5 years / 3000 work hours** |  |  |  |