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

**Contract title: Supply of** Supply of educational centre with ancillary equipment and facilities **p 1 /…**

**Publication reference:** RORS127/Municipality of Bela Crkva/TD4

**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 onits 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** |
| --- | --- | --- | --- | --- |
| 1. | **Educational centre - 1 facility**  Type: educational center for children - prefabricated type consisting of sanitary knot, office and classroom with small kitchen with following content/equipment:   1. Container 12x6x2.7m, thermal insulation sandwich min 40mm, sheet thickness 0.4/05 RAL WOOD/9002. Canopy cap 12x1m.   works necessary for installation:   * Cleaning of the terrain, removal of low vegetation and humus layer, removal and depositing of the removed material at the authorized landfill with delivery of a certificate of acceptance of waste. * Excavation of individual pits according to the dimensions of the foundation feet and according to the base of the container facility handling of the excavated material, removal or leveling on the plot. * Placement of a buffer layer for stabilization and drainage (gravel 0-63 mm) 10 cm thick, compaction of the base, placement of formwork for the footing, reinforcement, concreting, concrete vibration and leveling of the upper surface. * Installation of metal anchors in freshly concreted footings - positioning according to the object requirements. * Installation 30m2 of gravel surface in front of facility and 0,5m wide gravel path from facility to access road.  1. Septic tank 2000 liters   works necessary for installation:   * Excavation of the trench, * Installation of a septic tank with a capacity of 2,000 liters with transport to the location. * Connection to the sewage outlet from the building.  1. Water well for technical water   works necessary for installation:   * Well construction works drilling by hand, with a mechanical drill or by driving a pipe directly into the ground (depending on the composition of the soil). Expected depth up to 5m with control over the appearance of water. * Installation of PVC pipe diameter Ø50–110 mm, the lower part of the pipe is perforated with a factory filtration section. (the so-called filter tube or slotted screen) If a perforated pipe is used, a gravel or sand layer (filter material) is placed around the perforations. * Additional flushing or pumping of water to clean the well filter. * Sealing the upper part of the pipe with bentonite, sand and cement milk to prevent surface pollution. * Installing a cover or end piece. * Installation of equipment, pump installation and installation, i.e. connection with pipes that were taken from the prefab facility for the purpose of introducing water into the facility. * Final works: examination of flow, stability of water inflow and level. * Testing the functionality of installations inside the facility.  1. Hygienically sanitary knot 2 toilet cabins and 2 faucet for washing hands and water heater. 2. Off grid solar power plant: min 5kW inverter, 5kWp solar panels installed on roof of facility and 5kWh of battery capacity. 3. Internet infrastructure: GPRS modem with Wi-Fi router for internet access within facility and video surveillance. 4. Video surveillance system with detection of human approach, and alarming of administrator 5. Alarm system covering interior of facility. 6. Inside LED lights. 7. Power outlets: at least four in office and four inside conference hall with kitchen. 8. Outside LED lights with possibility of motion detection activation. 9. Inverter air conditioner >9000Btu 10. Small kitchen with kitchen sink and water heater - 1pc 11. Chairs wooden - 30pcs 12. Table desk – 2pcs 13. Office desk - 1pc 14. Office chair – 1pc 15. Conference chairs 2pc 16. Club table – 1pc 17. Projector screen – 1pc 18. Video projector mounted on ceiling -1pc   **Important Note:**  The construction of the educational center measuring 12x6x2.7m is planned in an area rich in rare species of plants, therefore it requires special attention to ensure that the appearance of the land is not disturbed during the construction of the building and its associated parts. The educational center is planned as a prefabricated building with a point foundation, a solar power plant, a well for water supply and a septic tank, in an area without the possibility of permanent electricity supply. |  |  |  |
|  | **Catamaran with 2 pontoons, trailer and pier - 1set**   * Catamaran dimensions Length 7.5 to 8 meters width 2.5m. * Carrying pontoons min (Ø 750 × 7,000 mm, pcs. 2) of the catamaran made of "UV" stabilized high-density polyethylene, resistant to rotting, atmospheric influences and greater mechanical strength damage. * Completely filled with Styrofoam to ensure unsinkability. * Catamaran platform construction made of hot-dip galvanized steel profiles. * Load capacity 1000-1200 kg. * Floors made of floor panels, over which is placed itison for outdoor use, * Catamaran fence 0.90 m high placed on the platform of the vessel. * Fence construction made of galvanized steel profiles, resistant to corrosion, atmospheric influences and mechanical damage. * Fixed awning, dim 6.00 × 2.50 m. The construction of the awning forms a whole with the construction of the fence Weather-resistant PVC tarpaulin stretched over the structure. * Control panel with remote control system * Plastic seats on a galvanized steel structure, for seating 8 passengers * "UV" stabilized itison for outdoor use on the entire surface of the vessel * outboard motor mount * Four-stroke outboard motor for boat propulsion power 15 HP to 20 HP - 1piece * Cleats for tying and anchoring the vessel - 4 pieces * Navigation lights * Binoculars with optics min 8x30 - 3pcs * Mandatory safety equipment for passengers * Lockable storage cabinet * Note: technical documentation required for vessel registration (vessel design, construction supervision by the Ship Administration and Construction certificate issued by the Ship Administration) must be delivered with vessel   Also it is required to deliver following equipment with catamaran:   * 2x6m floating pier with access path * Transport trailer for loading and towing catamaran (with required documentation necessary for traffic registration) |  |  |  |
|  | **Waste containers 1.1m3 - 10pcs** |  |  |  |
|  | **Bird watching lookouts 4m high - 2 pcs**  Bird watching platform consisting of a "house" raised 4m from the ground.   * The floor of the platform is basically 1.5x1.5m, * Height of the house is 2m, with a pitched roof. * The platform stands on 4 pillars 4m high, with a three-pronged staircase for climbing. The staircase is mounted on columns.   The construction and materialization of the object is as follows:   * Strip foundations made of compacted concrete with a reinforced concrete floor slab. * Steel construction in a combination of welded connections and connections with screws and connecting plates, HOP profiles. Columns, couplings, the supporting structure of the platform, the supporting structure of the roof, the supporting structure of the fence and the ladder are made of steel. The final color of the steel is brown. * The roof covering is made of TR sheet, green in color, the basic dimensions are 225x170cm * The floor of the platform and the fence of the platform are made of wooden planks and slats. * - The staircase is completely made of steel: columns, beams and fence made of HOP profile, tread made of ribbed sheet 3/4mm bent into the Latin letter U and welded from a steel beam.   **Important Note:**  Platforms must have technical documentation that proves their load-bearing capacity and stability for the following impacts:   * Bearing capacity of soil 100kN/m2 * Capacity of the platform for the useful load of 8 people (8\*0.75kN) * Wind strength for the appropriate area, for the position of a plain area with negligible vegetation * Snow 0.75kN/m2 |  |  |  |
|  | **Bird watching lookouts 2m high - 11 pcs**  Bird watching platform consisting of a "house" raised 2m from the ground.   * The floor of the platform is basically 1.5x1.5m, the * height of the house is 2m, with a pitched roof. * The platform stands on 4 pillars 2m high, with a ladder for climbing.   The construction and materialization of the object is as follows:   * Strip foundations made of compacted concrete with a reinforced concrete floor slab. * Steel construction in a combination of welded connections and connections with screws and connecting plates, HOP profiles. Columns, couplings, the supporting structure of the platform, the supporting structure of the roof, the supporting structure of the fence and the ladder are made of steel. The final color of the steel is brown. * The roof covering is made of TR sheet, green in color, the basic dimensions are 225x170cm * - The floor of the platform and the fence of the platform are made of wooden planks and slats.   **Important Note:**  Platforms must have technical documentation that proves their load-bearing capacity and stability for the following impacts:   * Bearing capacity of soil 100kN/m2 * Capacity of the platform for the useful load of 8 people (8\*0.75kN) * Wind strength for the appropriate area, for the position of a plain area with negligible vegetation * Snow 0.75kN/m2 |  |  |  |
|  | **Info boards - 14pcs**   * Made from vandal and weather resistant material and in line with visibility manual of the Programme (see <https://romania-serbia.net/> for more information). * Material and graphic should be made with instructions and approved by Contracting Authority prior printing. * Mounted on or beside bird watching lookouts and Educational centre |  |  |  |
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