

## Invitation to Bid

### Design and construction of the briquetting line, including specialized equipment for the municipal operator - "Public Services Cimislia" Municipal Enterprise

#### Amendment no. 1

Ref. no. **ItB18/01674**

Date: **13 February 2018**

Dear Sir/Madam,

**Subject: ITB for Design and construction of the briquetting line, including specialized equipment for the municipal operator - "Public Services Cimislia" Municipal Enterprise.**

1. Pursuant to Clause 11 of the Instructions to Bidders, UNDP Moldova is hereby amending the solicitation documents.
2. Section 3a: Schedule of Requirements and Technical Specifications, partial, is hereby amended and shall read as follows (changes are marked in **red**):

3.1. Mobile shredder with semi-automatic retrieval, connected to the tractor  Technical characteristics of the mobile shredder with semi-automatic retrieval: <ul style="list-style-type: none"><li>- Cutting size: <b>with up to 15 mm and length up to 20 mm;</b></li></ul>	<ul style="list-style-type: none"><li>- Cutting size: <b>50 - 150 mm;</b></li></ul>
3.2. Portable shredder attached to the tractor  Technical characteristics of the portable shredder: <ul style="list-style-type: none"><li>- Maximum diameter of chopped material: maximum <b>180 mm</b></li></ul>	<ul style="list-style-type: none"><li>- Maximum diameter of chopped material: maximum <b>100 mm</b></li></ul>
4. Technical specifications of the briquetting line equipment <ul style="list-style-type: none"><li>- Briquette size: diameter <b>50 mm</b>, length approximately 300 mm</li><li>- <b>Production line life: at least 20 years.</b></li></ul>	<ul style="list-style-type: none"><li>- Briquette size: diameter <b>50-70 mm</b>, length approximately 300 mm</li><li>- <b>Removed from here, remaining valid p.K. Warranty Period from Section 3a: Schedule of Requirements and Technical Specifications</b></li></ul>
4.1. Feed hopper Components of the feed hopper: <ul style="list-style-type: none"><li>- Efficiency class of the electric motor: at least <b>IE2.</b></li></ul> Technical characteristics of the feed hopper: <ul style="list-style-type: none"><li>- Feed hopper height: <b>maximum 2 m;</b></li></ul>	<ul style="list-style-type: none"><li>- Efficiency class of the electric motor: at least <b>IE1.</b></li><li>- Feed hopper height: <b>correlated with the equipment they are contacting;</b></li></ul>
5.3. Hammer mill  Basic components: <ul style="list-style-type: none"><li>- Efficiency class of the electric motor: at least <b>IE2.</b></li></ul> Technical characteristics for hammer mill:	<ul style="list-style-type: none"><li>- Efficiency class of the electric motor: at least <b>IE1</b></li></ul>

<ul style="list-style-type: none"> <li>- Cutting capacity: <b>minimum 450 kg/h</b></li> <li>- Output size of chopped material: <b>from 1 to 3 mm</b>;</li> </ul>	<ul style="list-style-type: none"> <li>- Cutting capacity: <b>minimum 650 kg/h for raw material with a humidity content up to 40%</b></li> <li>- Output size of chopped material: <b>from 1 to 6 mm</b>;</li> </ul>
<p>5.4. Aerodynamic drier in the briquetting line</p> <p>Components of the drier:</p> <ul style="list-style-type: none"> <li>- <b>Heat exchanger and hot air generator</b>;</li> <li>- Efficiency class of electric motors: at least <b>IE2</b>;</li> </ul> <p>Minimal technical characteristics for the aerodynamic drier:</p> <ul style="list-style-type: none"> <li>- Humidity of input raw materials: maximum <b>65%</b>;</li> <li>- Pipes and cyclones made of <b>zinc-plated sheets</b> of 2 mm thickness.</li> </ul> <p>Minimal technical characteristics for the hot air generator:</p> <ul style="list-style-type: none"> <li>- <b>Combustion chamber: constituted from sheets of at least 6 mm with corrosion protection and resistance to combustion temperatures</b>;</li> <li>- <b>Equipped with a heat exchanger</b>;</li> <li>- Insulation: thermal insulation material at least <b>100 mm</b>/700-degree fire class A1;</li> <li>- Nominal thermal output required for sawdust drying: minimum 450 kg/h with <b>humidity up to 65%</b>.</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Hot air generator</b>;</li> <li>- Efficiency class of electric motors: at least <b>IE1</b>;</li> <li>- Humidity of input raw materials: maximum <b>40%</b>;</li> <li>- Pipes and cyclones made of <b>sheet-metal</b> of 2 mm thickness.</li> <li>- <b>Constituted from a metallic structure lined with a reflective brick with a minimum thickness of 50 mm</b>;</li> <li>- <b>Providing protection against spark ignition</b></li> <li>- Insulation: thermal insulation material at least <b>50 mm</b>/700-degree fire class A1;</li> <li>- Nominal thermal output required for sawdust drying: minimum 450 kg/h with <b>humidity up to 40%</b>.</li> </ul>
<p>5.5. Briquetting press</p> <p>Components of the briquetting press:</p> <ul style="list-style-type: none"> <li>- Efficiency class of the electric motor: at least <b>IE2</b>.</li> </ul> <p>Minimal technical characteristics for the briquetting press:</p> <ul style="list-style-type: none"> <li>- Dimensions of the briquettes: diameter <b>50 mm</b>, length approximately 300 mm, hexagonal;</li> </ul>	<ul style="list-style-type: none"> <li>- Efficiency class of the electric motor: at least <b>IE1</b>.</li> <li>- Dimensions of the briquettes: diameter <b>50-70 mm</b>, length approximately 300 mm, hexagonal;</li> </ul>

3. All other terms and conditions of the solicitation documents, except as amended herein, shall remain unchanged and shall continue in full force and effect.