**Machinery and equipment specifications “Renovation and modernization of the boiler room of the Health Centre in Sculeni village, Ungheni district”**

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| **No.** | **Name** | **Quantity** | **Technical characteristics** |
| 1 | Boiler with solid fuel combustion | 2 units | - rated heat output -≥ 96 kW  - heat output range– 28 – 96 kW  - thermal efficiency at rated output - ≥ 90 %  - environmental class – according to EN 303-5:2012  - required chimney flow – 25 – 30 Pa  - fuel consumption at rated output – max 14,4 kg/h  - exhaust gas temperature at rated output – 150 – 160 °C  - exhaust gas temperature at minimum power – ≈ 65 °C  - maximum temperature of thermal agent in "LAP" circuit - 85 °C  - recommended thermal agent temperature in "LAP" circuit - 60 - 80 °C  - minimum temperature of thermal agent in the "RETURN" circuit - 45 °C  - maximum permissible pressure in thermal agent circuits – 2 bar  - maximum pressure when testing the heating plant – 3 bar  - boiler dimensions: B ≤ 1100 mm  H ≤ 2520 mm  H1≤ 2215 mm  L ≤ 1770mm |
| 2 | Pump for circulation/recirculation of thermal agent in heating systems. GPD 40 x 16 F x o,9 kW or similar | 2 units | - constant and variable thermal agent flows  - variable temperature of thermal agent  - systems with different operating modes at night  - ambient temperature: 0 to + 40 ° C;  - relative humidity in the room- maximum: 95%  - circulating water temperature: +2 to + 110 ° C  - maximum working pressure - 10 bar  - connection size 40 DN  - temperature of thermal agent - 0 °C to + 110 ° C  - power consumption 1000 W  - pressure creation in the system - 16 m water column  - productivity - 15 m³ / h  - power supply – 220 V/50 Hz |

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