

Refuse Derived Fuel (RDF)

- **Country:** Bulgaria
- **Organization Name:** Toplofikatsiya Sofiya EAD
- **Organization Type:** Service Company
- **Organization Description:** Toplofikatsiya Sofia, established in 1957, is the heating utility operating in Bulgaria's capital Sofia. The company's main line of business is production and distribution of heat, hot water and electricity. The district heating company, which owns a pipeline network of more than 950 kilometers, delivers heat energy to more than 1,000,000 customers in the capital. Toplofikatsiya company has a capacity of over 3,000 MW of heating power, and 280 MW of electricity. It has 4 organizational units - Sofia, Sofia East, Zemlyane and Lyulin.
- **Is there a Sovereign or Corporate Guarantee for this Project?** No
- **Can Bid be Submitted in English?** Should be submitted in Bulgarian
- **Describe the Product/Service Being Sought:**
 - The installation is a solution of the type "waste for energy production" and has the following preconditions: Quantity of Refuse Derived Fuel (RDF) for recovery: 180 000 t / year; Total availability of the installation: 8,000 h / year; RDF calorific value: Nominal-13GJ / t, deviation between 10GJ / t and 16GJ / t.
 - RDF storage bunker;
 - ✦ Furnace (technology for burning a mobile grill with a capacity of 22.5 t / h at 13 MJ / kg);
 - ✦ Boiler (horizontal with steam with parameters: 100t / h, 60 bar, 425 ° C);
 - ✦ Flue gas treatment (reactor, bag filter, flue gas condenser);
 - ✦ Wet chimney 80 meters;
 - ✦ Turbine / generator (for electricity production, gross 21MWe);
 - ✦ Heat production with a capacity of 55MWt; • Heat accumulator, storage capacity 230MWh;
 - ✦ Auxiliary equipment (cooling system, UPS, taps, etc.). The installation will be located on a site owned by Toplofikacia Sofia EAD, with a total construction area of about 19,000 m2. The main production and administrative building, reception department, modified fuel hopper, bottom ash storage, fuel tanks for diesel generator and ammonia water, heat accumulator, electronic scales and transport zone will be located within the separate site. For the Installation it is envisaged to have appropriate control and monitoring of pollution, soil, air and water.
 - ✦ **Quantity Needed:** Quantity of RDF for recovery: 180 000 t / year; Total availability of the installation: 8,000 h / year; RDF calorific value: Nominal-13GJ / t, deviation between 10GJ / t and 16GJ / t.
 - ✦ **Price Range/Dollar Value:** USD\$ 181.8M
 - ✦ **Submission Deadline:** March 15, 2021
 - ✦ **Type of Business Contact:** Manufacturer

For more information, contact Ms. Emily Taneva at Emily.Taneva@trade.gov, U.S. Embassy Bulgaria