



## Steam High Voltage Electrode Boiler, Kotkan Energia Oy

I.D.: 90536975

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Pretul estimativ:	1.500.000,00 EUR
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Descriere: Kotkan Energia Oy (later KEO and Purchaser) hereby invites you to participate to the tendering prequalification phase for the delivery of one Steam High Voltage Electrode Boiler in the city of Kotka, Finland. 1.1 Overview of the object: Now days KEO Kotka Hovinsaari power plant site consists of 3 heat boilers and number of steam distributing networks. The heat power plant will produce steam to the district heating network and process steam to company nearby. New electric boiler with including equipment will be added to existing Hovinsaari heat power plant and will be located in existing building. A dimensioning factor of the electric boiler is the heating capacity and electric boiler type, and supplier will offer equipment for those needs. The electric boiler will be electrode type and total steam capacity of the electric boiler shall be 30 MW and the voltage of 20 kV. The electrode boiler will produce 12-16bar(g) pressure steam and steam is reduced to 2,5bar(g) for end users. In future it is possible for need to use electric boiler for 10bar(g) steam production. 1.2 Scope of supply: Supply includes the detail design of the following equipment and systems purchased, installed and tested: · Electrode boiler module including electrification, automation, instrumentation and safety valves · Electrode boiler circulation pumps and piping including sample point system, water chemical dosing system, valves and field instruments · Steam piping to main valves · Feed water piping from valves to boiler · Circulation pumps motors power supply · Commissioning, trial run, education and guarantee tests · Operation fine tuning of the electrode boiler during warranty period · Transportation to the site · Hauling and lifting to the installation location and installation · Supplier's warranty obligations · Spare and wear parts Supply does not include: · Feed water pumps · Electrode boiler 20kV main power supply · Service platforms steel structure works · Automation connection to the plant DCS (cabling and wiring to DCS) · Earth works and foundations of the electrode boiler · Openings for hauling and for cabling 1.3 Object's location: The electrode boiler will be located in the city of Kotka, Finland. The electrical boiler is scheduled to be commissioned by the end of June 2025. The exact delivery time of the electric boiler will be decided during the contract negotiations in March 2024. This document and its appendixes are Invitation To Participate. Preliminary Invitation to Tender and Final Invitation to Tender will be prepared and issued later on during the procurement phase.

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