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## AVV57 CCE Lot 12 Heat Pumps

I.D.: 89931229

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Data publicarii	27.11.23	Coduri CPV	42511110
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Descriere: The Contract is for the delivery of a Heat Pump system to the Contracting Entity for the Project. The delivery is expected to include engineering, procurement, manufacturing, delivery, installation, and commissioning to fully operational units and include all necessary internal equipment, instrumentation, and spare and wear parts. The Conditions of Contract will be "Yellow FIDIC Conditions of Contract for Plant and Design-build adapted to Ørsted, Bioenergy standards". Main components in the Works are:

- Direct heat exchanger(s). Process waste heat is transferred to district heat (return temperature 50°C). Estimated heat transfer of 12 MW.
- Heat pump unit(s). Shall increase district heat temperature to 90-105°C using process waste heat (45-55°C). Estimated total heat supply of 60 MW.
- All required auxiliary systems for the main components.
- Internal piping between components and towards terminal points including valves, pumps, etc.
- Transformers, switchgears, frequency converters. Main electrical supply at 10 kV.
- Electrical wiring and instrumentation.
- Local control system
- Spare and wear parts (first 24 months of operation)

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