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TECHNICAL SPECIFICATION FOR SERVICES OF CONDENSATE EXTRACTION PUMP STAGE 1

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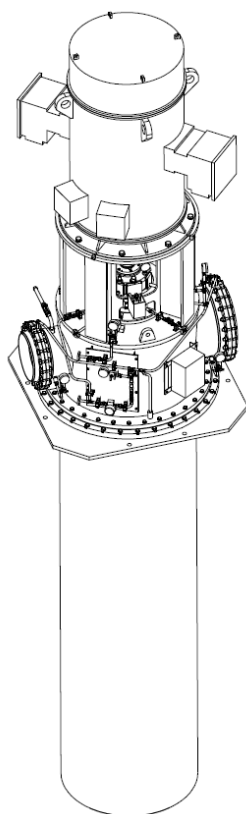
Actual specification includes **3** pages

1 OBJECTIVE

This specification includes minimal requirements for services for Condensate extraction pump stage 1 06LCB11AP001 on Unit 6 of the Šoštanj thermal power plant for major overhaul, which is expected to take place in 2025.

2 BACKGROUND

The Condensate extraction pump stage 1 are constituted by two identical 100% group moto-pumps. These pumps are vertical located in a suction tank. Their roles are to extract condensate water from the main condenser and feeding Condensate extraction pump stage 2.



	Design case B	BEP (100% TMCR)	Run out (120%)
Medium	Demineralised water		
Water mass per unit volume :	997 Kg/m ³		
Nominal Flow rate	1414.7 m ³ /h	1051.6 m ³ /h	1697.6 m ³ /h
Manometric head	95 m		
Speed rotation	1486 rpm		
Pump power	453 kW		
Direction of rotation	counter clockwise viewed from coupling end to tank		
Pump weight	6200 Kg		
Water temperature	28,6	27,9	28,6
Max temperature	95 °C max		

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3 SCOPE OF SERVICES

Main tasks:

- a) Disassembly of all parts
- b) Part Inspection and measurement
- c) Replacement of bearings and mechanical seals
- d) Assembly with motor/pump alignment
- e) Commissioning

Client is responsible for transport.

During the inspection of the pump the supplier must provide the supervisor technical assistance and guide the local personnel. All special tools needed to perform the intended erection work shall be provided by supervisor.