

	TECHNICAL SPECIFICATION FOR SPARE PARTS SUPPLY AND SERVICES OF BOILER FEEDWATER PUMPS ON UNIT 6	Rev. 1 Date. 27.6.22 Page 1 of 4
---	--	---

TECHNICAL SPECIFICATION FOR SPARE PARTS SUPPLY AND SERVICES OF BOILER FEEDWATER PUMPS ON UNIT 6

Content

1	OBJECTIVE.....	2
2	BACKGROUND	2
3	SCOPE OF SUPPLY	4
4	SCOPE OF SERVICES.....	4
5	WARRANTY	4

Actual specification includes **4** pages

1 OBJECTIVE

This specification includes minimal requirements for the supply of spare parts and services for Main and booster boiler feedwater pumps on Unit 6 of the Šoštanj thermal power plant for major overhaul, which is expected to take place in 2025.

2 BACKGROUND

Feedwater pump system consists of:

- The booster boiler feedwater pumps 06LAC10/20/30AP001 (3x50%) are multistage horizontal barrel type pump with radial impellers.

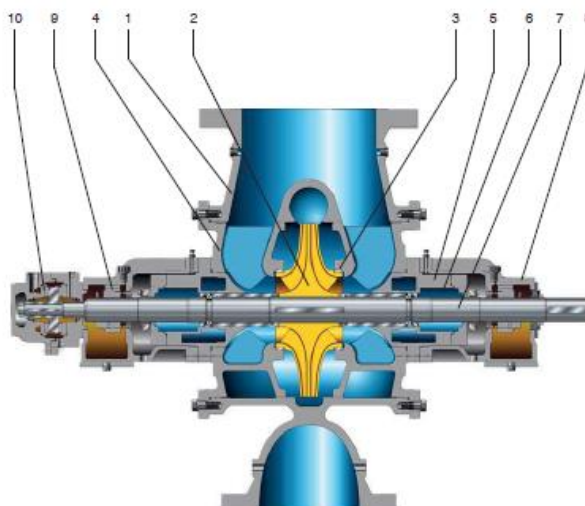


Table: Components

Item	Description	Item	Description
1	Volute casing	6	Shaft seal
2	Double-entry impeller	7	Shaft
3	Casing wear ring	8	Bearing housing
4	Suction cover	9	Plain bearing
5	Shaft seal housing	10	Pad-type plain bearing

- The main boiler feedwater pumps 06LAC10/20/30AP002 (3x50%) are single-stage horizontal centrifugal pumps.

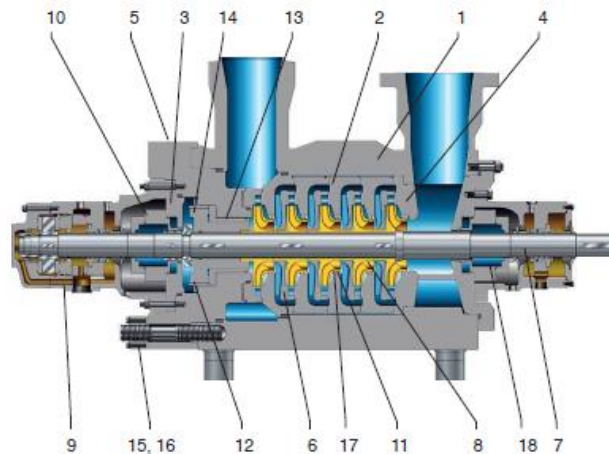


Table:

No.	Description	No.	Description
1	Barrel	10	Shaft seal housing
2	Stage casing	11	Casing wear ring
3	Casing part	12	Throttle bush
4	Inlet ring	13	Balance disc seat
5	Cover	14	Balance drum
6	Diffuser	15	Stud
7	Shaft	16	Nut
8	Impeller	17	Clearance gap
9	Bearing housing	18	Shaft seal

Pumps are located between the feedwater tank and the high pressure heating exchanger. The purpose of the system is to provide:

- Control the required boiler water flow in all operating conditions
- Supply the superheater desuperheating device
- Supply the HP bypasses desuperheating device
- Supply the reheater desuperheating device

	TECHNICAL SPECIFICATION FOR SPARE PARTS SUPPLY AND SERVICES OF BOILER FEEDWATER PUMPS ON UNIT 6	Rev. 1 Date. 27.6.22 Page 4 of 4
---	--	--

To warrant the safety and operational capability of the plant a general inspection is required for the following items:

- Booster feedwater pump every 8 years or 50.000h,
- Main feedwater pump every 8 years or 50.000h,

Operating hours will be reached, therefore a revision is required.

The tender comprises two separate lots (for two booster and two main pumps):

LOT 1: 1 Set of spare parts for general inspection on booster and main feedwater pump.

LOT 2: Supervision service for inspection and commissioning service.

3 SCOPE OF SUPPLY

Set of spare parts for booster and main feedwater pump 1 set (LOT 1)

4 SCOPE OF SERVICES

Main tasks:

- Disassembly inner casing of main pump.
- Inspection of all parts for wear and reusability.
- Replacement of bearings and mechanical seals
- Assembly according to drawing.
- Commissioning

5 WARRANTY

In the case of deviation from guaranteed performance, poor quality and application of inadequate material, the manufacturer or distributor must immediately take appropriate action to remedy the deficiencies or deliver adequate new part of the relevant material (within 2 months). The cost of correcting shortcomings shall be borne by the manufacturer or distributor.

All assembled parts must ensure designed operation of the feedwater pump unit according to the original operation and maintenance manual.

For the parts which will be replaced during the warranty period the new warranty period has to be at least 36 months after the original equipment delivery date.