

TECHNICAL PART OF DOCUMENTATION

LOT 65: Maintenance inspection of the vibration monitoring system of feedwater pumps

Table of contents

1	TEHNICAL DESCRIPTION OF SERVICES	3
2	TECHNICAL REQUIREMENTS	3
	2.1 Maintenance inspection requirements	3
	2.2 List of equipment	3
	2.3 Contractor's obligations	3
	2.4 Employer's obligations	4
	2.5 Means of proof	4
3	TIMETABLE	4

1 TECHNICAL DESCRIPTION OF SERVICES

For the purposes of the 2025 overhaul service TEŠ requires the providers of the maintenance inspection of the Bently Nevada vibration monitoring system of feedwater pumps. Companies participating at the call for tenders must have a sufficient number of in-house personnel and experience in the provision of maintenance services for the Bently Nevada systems.

2 TECHNICAL REQUIREMENTS

2.1 Maintenance inspection requirements

The maintenance inspection shall encompass the following activities:

- Inspecting the control equipment;
- Inspecting the operation of sensor;
- Verifying the controller channels;
- Updating software (if necessary);
- Replacing malfunctioning elements;
- Making a backup copy of the software.

2.2 List of equipment

- 3500 Monitoring system (three racks)
Part No.: CB01-BNX-665000290
Serial No.: 16181554

Each rack encompasses:

- 3500/15-02-00-00 AC power supply
- 3500/22-01-01-00 transient data interface (configuration software version 4.20 or later)
- 3500/42-09-00 proximator/seismic monitor (5x)
- 3500/50-01-00-01 tachometer module (2x)
- 3500/32-01-00 4 channel relay modul

2.3 Contractor's obligations

- They shall provide a sufficient number of their own personnel to provide the ordered maintenance service within the available time limit.
- They shall provide all tools necessary for the maintenance inspection.
- They shall draw up and deliver maintenance reports to the Employer.
- They shall appoint a responsible person who shall cooperate with the Employer's personnel and obtain the documentation required for safe work.

2.4 Employer's obligations

- To provide transport routes on the site.
- To issue the work permit.
- To provide electricity needed for performing service.

2.5 Means of proof

The tenderer must attach to their tender a document evidencing they have been certified for the provision of the maintenance service for Bently Nevada vibration monitoring systems.

3 TIMETABLE

The overhaul service is anticipated for 2025.

In the event the test/control is necessary during the operation of feedwater pumps, a prior agreement on the date is required (hot commissioning after the completion of the overhaul service).