

ANNEX I TO THE TENDER DOCUMENTATION

TENDER FIELDS OF PERFORMANCE DEFINITIONS FOR THE PURPOSES OF TECHNICAL QUALIFICATIONS

1. Definition of field of performance “Project documentation”
2. Definition of field of performance “Manufacturing of equipment and components”
3. Definition of field of performance “Installation – construction and technologies”
4. Definition of field of performance “Bringing devices into operation”
5. Definition of field of performance “Control systems, measuring and regulation”

1.

**Definition of field of performance
“Project documentation”**

In order to provide for performance of this field of the tender the contracting authority requires providing expertise in the field of project documentation.

The supplier shall, during performance of work in this field, provide in particular for:

- a) Implementation documentation for the new boiler room K20
 - a. Details of the specification of the implementation documentation of further suppliers (e.g., foundations for the new boiler room K20)
 - b. Documentation for the boiler K20 itself
 - c. Accessories to the boiler K20 (e.g., compressor room)
- b) Coordination in the field of project documentation with other technologies of boiler K20
 - a. With the current technologies (e.g., steam connection for turbogenerators)
 - b. With suppliers of other technologies (e.g., transport of fuel to operating storage tanks of boiler K20)
- c) Implementation documentation for modifications to the current boilers K80 and K90
 - a. Details of the specification of the implementation documentation of further suppliers (e.g., transport of fuel to operating storage tanks of boilers K80 and K90)
 - b. Documentation of modifications to boilers K80 and K90
 - c. Accessories to boilers K80 and K90 (e.g., connection to the current technologies)
- d) Coordination in the field of project documentation with other technologies of boilers K80 and K90
 - a. With the current technologies
 - b. With suppliers of other technologies
- e) Implementing changes to the project documentation during performance (new boiler K20, modifications to boilers K80 and K90)
- f) Documentation of the real and actual status of performance of the tender

Designated representatives of the supplier:

- a) Are responsible for the final technical solution of the new boiler room K20, including compliance with all required specifications
- b) Are responsible for the final technical solution of modifications to boilers K80 and K90, including compliance with all required specifications
- c) Are responsible for continuous implementation of changes to the project documentation
- d) Are responsible for drawing up the documentation of real and actual status and providing such to the contracting authority
- e) Are ultimately responsible for the supplier for communication between the supplier and the contracting authority regarding the documentation and its approval
- f) Are responsible for fulfillment of the time schedule in the field of project documentation

2.

**Definition of field of performance
“Manufacturing of equipment and components”**

In order to provide for performance of this field of the tender the contracting authority requires providing expertise in the field of manufacturing of equipment and components.

The supplier shall, during performance of the tender in this field, provide in particular for:

- a) Supervision of manufacturing technological parts for the new boiler room K20 based on the documentation agreed upon
 - a. In the supplier's own manufacturing facilities
 - b. In the manufacturing facilities of subcontractors
 - c. For meeting technical and qualitative specifications of technological parts
 - d. For timely delivery of technological components for their further installation
- b) Coordination in the field of manufacturing technological components of boiler K20
 - a. Between individual subcontractors of the technological devices
 - b. Coordination of potential changes in the field of manufacturing technological components
- c) Supervision of manufacturing technological parts for modifications to boilers K80 and K90 based on the documentation agreed upon
 - a. In the supplier's own manufacturing facilities
 - b. In the manufacturing facilities of subcontractors
 - c. For meeting technical and qualitative specifications of technological parts
 - d. For timely delivery of technological components for their further installation
- d) Coordination in the field of manufacturing technological components of boilers K80 and K90
 - a. Between individual subcontractors of the technological devices
 - b. Coordination of potential changes in the field of manufacturing technological components
- e) Performance of required test within manufacturing technological devices
 - a. In the supplier's own manufacturing facilities
 - b. In the manufacturing facilities of subcontractors
- f) Coordination of transport of technological units from manufacturers to the contracting authority's place of performance of work
- g) Resolution of warranty claims and potential damage to technological equipment with the manufacturers

Designated representatives of the supplier:

- a) Are responsible for arranging for manufacturing of technological devices for the new boiler K20 and their timely delivery for further installation
- b) Are responsible for arranging for manufacturing of technological devices for modifications to boilers K80 and K90 and their timely delivery for further installation
- c) Are responsible for potential implementation of changes to manufacturing of technological devices
- d) Are ultimately responsible for the supplier for communication between the supplier and the contracting authority regarding manufacturing of technological components
- e) Are responsible for fulfillment of the time schedule in the line of “documentation – manufacturing – installation”

3.

**Definition of field of performance
“Installation – construction and technologies”**

In order to provide for performance of this field of the tender the contracting authority requires providing expertise in the field of installation of technological devices in the power industry field.

The supplier shall, during performance of the tender in this field, provide in particular for:

- a) Supervision of installation of delivered technological parts for the new boiler room K20
 - a. Accepting delivered technological devices from manufacturers
 - b. The installation itself
 - c. Performance of set-out tests of technological devices
 - d. Completion of individual technological devices into a functioning unit for performance of all tests of boiler room K20, including pilot run
- b) Coordination in the field of installation of technological devices to boiler room K20
 - a. In the field of deliveries of and between the individual suppliers of technological devices
 - b. Following other suppliers of technological units (e.g., OB6 building - foundations for boiler room K20, OB1 Fuel management - transport of fuel to operating storage tanks)
 - c. Coordination of potential changes in the field of installation of technological devices
- c) Supervision of installation of delivered technological parts for modifications to boilers K80 and K90
 - a. Accepting delivered technological devices from manufacturers
 - b. The installation itself, including connecting to new technological devices (e.g. compressor room to K20) and current technological devices (e.g. refrigerating water supply)
 - c. Performance of set-out tests of technological devices
 - d. Completion of individual technological devices into a functioning unit for performance of all tests of modified boilers K80 and K90, including pilot run
- d) Coordination in the field of installation of technological devices of boilers K80 and K90
 - a. In the field of deliveries of and between the individual suppliers of technological devices
 - b. Following other suppliers of technological units (e.g., OB1 Fuel management - transport of fuel to operating storage tanks)
 - c. Coordination of potential changes in the field of installation of technological devices
- e) Coordination of transport of technological devices to the contracting authority's place of performance of work
- f) Resolution of warranty claims and potential damage to technological equipment

Designated representatives of the supplier:

- a) Are responsible for arranging for installation of the new boiler room K20
- b) Are responsible for arranging for installation of technological devices for modifications to boilers K80 and K90
- c) Are responsible for potential implementation of changes to installation of technological devices
- d) Are responsible for fulfillment of the time schedule in the line of “manufacturing – installation – bringing into operation”

4.

**Definition of field of performance
“Bringing devices into operation”**

In order to provide for performance of this field of the tender the contracting authority requires providing expertise in the field of bringing technological devices into operation, in particular fluidized bed boilers for combustion of biomass.

The supplier shall, during performance of the tender in this field, provide in particular for:

- a) Bringing the new boiler room K20 into operation
 - a. Acceptance of boiler room K20 after complete installation and connection to all necessary technological devices, which are needed for operation of boiler room K20
 - b. Suggestion of certification agencies and their approval by the contracting authority
 - c. Performance of all necessary and set-out tests
 - d. Providing training for the boiler room K20 staff
 - e. Handing the boiler room K20 over into operation
- b) Coordination in the field of bringing boiler room K20 into operation
 - a. Coordination of resolution of warranty claims or malfunctions that emerge during bringing boiler room K20 into operation
 - b. Coordination of activities with operation departments related to training the boiler room K20 staff
 - c. Coordination of activities with the certification authorities
 - d. Coordination of potential modifications that were given rise to by pilot run
- c) Bringing the new boilers K80 and K90 into operation
 - a. Acceptance of boilers K80 and K90 after complete installation and connection to all necessary technological devices, which are needed for operation of boilers K80 and K90
 - b. Suggestion of certification agencies and their approval by the contracting authority
 - c. Performance of all necessary and set-out tests
 - d. Providing training for the boilers K80 and K90 staff
 - e. Handing the boiler rooms K80 and K90 into operation
- d) Coordination in the field of bringing the boilers K80 and K90 into operation
 - a. Coordination of resolution of warranty claims or malfunctions that emerge during bringing boilers K80 and K90 into operation
 - b. Coordination of activities with operation departments related to training the boilers K80 and K90 staff
 - c. Coordination of activities with the certification authorities
 - d. Coordination of potential modifications that were given rise to by pilot run
- e) Resolution of warranty claims or technological modifications that were given rise to by bringing boilers into operation

Designated representatives of the supplier:

- a) Are responsible for performance of all necessary tests of the new boiler room K20
- b) Are responsible for performance of all necessary tests of the modified boilers K80 and K90
- c) Are responsible for training of staff
- d) Are responsible for handing over the boilers with complete certification into operation of the contracting authority
- e) Are responsible for fulfillment of the time schedule in the field of bringing new boilers into operation

5.

**Definition of field of performance
“Control systems, measuring and regulation”**

In order to provide for performance of this field of the tender the contracting authority requires providing expertise in the field of arranging for a new control system for the new boilers K20, K80 and K90.

The supplier shall, during performance of the tender in this field, provide in particular for:

- a) Automatic control system for the new boiler room K20
 - a. Complete control system for the new boiler room K20 (from the area of filling of operational tanks)
 - b. SW and HW equipment for the control system
 - c. Controlling the new boiler room K20 from the unified control room (new workplace for controlling boiler room K20)
 - d. Openness of the control system to provide information to other programmes of the contracting authority (e.g., fuel economy control system)
- b) Coordination in the field of Automatic control system of the new boiler room K20
 - a. Interconnection of the control system with the fuel economy control system (interface in the area of filling of operational tanks of boiler K20)
 - b. Openness of the system to provide information to other programmes, coordination with the supplier of OB5 - Automatic control system
 - c. Training the boiler room K20 staff
 - d. Resolving and eliminating malfunctions during pilot run based on operational experience
- c) Automatic control system for the modified boilers K80 and K90
 - a. Control system for the modified boilers K80 and K90
 - b. SW and HW equipment for the control system
 - c. Controlling boilers K80 and K90 from the current control room
 - d. Openness of the control system to provide information to other programmes of the contracting authority (e.g., fuel economy control system)
- d) Coordination in the field of Automatic control system of the new boilers K80 and K90
 - a. Interconnection of the control system with the fuel economy control system (interface in the area of filling of operational tanks of boilers K80 and K90)
 - b. Openness of the system to provide information to other programmes, coordination with the supplier of OB5 - Automatic control system
 - c. Training the boiler rooms K80 and K90 staff
 - d. Resolving and eliminating malfunctions during pilot run based on operational experience
- e) Resolution of warranty claims or modifications that were given rise to by bringing boilers into operation in the field of Automatic control system

Designated representatives of the supplier:

- a) Are responsible for delivery of the control system for boilers K20, K80 and K90
- b) Are responsible for fulfillment of the time schedule in the field of bringing new boilers into operation, in the field of Automatic control system