

STEAM BOILER RFQ CHECKLIST

Complete the known data only. JIELI engineers will review missing items with your project team.

Purpose: prepare a technically useful first quotation for gas, oil, biomass or coal-fired industrial steam systems.

This checklist supports preliminary selection; final design, performance and code scope require confirmed project data.

01 CONTACT AND PROJECT

Contact name *	Company *	Date
Business email *	Phone / WhatsApp	
Country / region *	Project location	Industry / process *

02 STEAM DUTY

Normal steam load (t/h or kg/h) *	Peak steam load	
Minimum stable load	Required pressure (MPa / bar / psi) *	Steam temperature
☐ Saturated steam ☐ Superheated steam ☐ To be confirmed		
Feedwater temperature	Operating hours / day	Operating days / year
Steam users, simultaneous demand, start-up peaks and future expansion		

03 PROCESS REQUIREMENT

☐ Heat exchangers	☐ Direct steam injection	☐ Sterilization	☐ CIP / cleaning
☐ Drying	☐ Textile process	☐ Food process	☐ Other

FUEL, SITE AND EMISSIONS

Fuel and site conditions determine combustion equipment, auxiliaries, layout and operating limits.

04 FUEL SELECTION

- ☐ Natural gas ☐ Diesel ☐ Fuel oil ☐ LPG
- ☐ Wood chips ☐ Pellets ☐ Agricultural residue ☐ Coal

Primary fuel *

Backup fuel / changeover need

Net calorific value / LHV

Gross calorific value / HHV

Gas / liquid fuel pressure

Fuel composition, viscosity, moisture, ash, particle size and available analysis

05 SITE CONDITIONS

Altitude (m)

Minimum ambient (C)

Maximum ambient (C)

Indoor / outdoor

Electrical supply (V / Hz / phase) *

Available boiler-room space

Transport / access limits

Required delivery / commissioning date

06 EMISSIONS AND CODE

NOx limit

Dust / particulate limit

SOx limit

Reference O2 basis

- ☐ ASME ☐ CE / PED ☐ Local code ☐ To be confirmed

Applicable code, authority requirements and site-specific emissions notes

WATER, SYSTEM SCOPE AND ATTACHMENTS

A complete steam plant must be evaluated beyond the boiler pressure part and burner.

07 WATER AND CONDENSATE

Raw-water source

Hardness

TDS / conductivity

Expected condensate return (%)

Condensate return temperature

Available water analysis, treatment system and known contamination risks

08 REQUESTED SUPPLY SCOPE

- ☐ Boiler pressure part ☐ Burner / fuel train ☐ Controls / safety
- ☐ Feedwater tank ☐ Feed pumps ☐ Water treatment ☐ Deaerator
- ☐ Economizer ☐ Condensate recovery ☐ Blowdown system
- ☐ Chimney / stack ☐ Dust control ☐ Installation supervision ☐ Commissioning

09 ATTACHMENTS AND FINAL NOTES

- ☐ Steam load list ☐ Fuel analysis ☐ Water analysis ☐ Layout / GA
- ☐ P&ID ☐ Code specification ☐ Emissions requirement ☐ Site photos

Additional project notes, exclusions and preferred commercial boundary

Send the completed file and available attachments to clgm@jielithermal.com.

For a faster review, include normal/peak steam load, pressure, fuel, water analysis, country and requested supply scope.

JIELI will confirm missing data, preliminary configuration and proposal boundaries before final technical selection.