

**ESTIMATED BILL OF QUANTITIES FOR MECHANICAL INSTALLATIONS
AND APPURTENANT CIVIL WORKS IN GENERAL HOSPITAL IN JAGODINA**

Note: The Bidder shall price all items in the tender documentation excluding VAT.

1. PUMPING STATION OF RAINWATER SEWAGE

	Description	UoM	Quantity	Unit price	Total
1.1.	Dismantling of the existing steel structure and mechanical crane used for installation and servicing of sludge pump and the complete existing equipment, drainage pipes and fittings. Disassembled materials shall be carefully stored, loaded onto a truck and taken to a place designated by the Investor, up to 10 km of distance. Lump sum calculation, set	set	1		
1.2.	Supply, delivery and installation of sludge pump, capacity 30l/s, electric engine power 5.5 KW. Calculation per piece, set	pcs	1		
1.3.	Supply, delivery and installation of set for installation and handling of sludge pump and drainage pipes and fittings. Calculation per piece, set	set	1		
1.4.	Supply, delivery and installation of electrical and control cabinet for sludge pump, at the place specified by the investor, with all ancillary works. Lump sum calculation, set	set	1		
1.4.	Preliminary and finishing works: all preliminary and appurtenant civil works on adapting the separator and overflow pit for installation of new sludge pump, and collecting, loading and removal of debris at a location designated by the user, up to 10 km of distance, preliminary works, auxiliary materials and supplies, required hydraulic and functional trials, as-built design, operator training and commissioning. Lump sum calculation, set	set	1		

1. TOTAL PUMPING STATION OF RAINWATER SEWAGE

2.

STEAM BOILER

	Description	UoM	Quantity	Unit price	Total
2.1.	Supply and delivery of low-pressure steam boiler, capacity 2660 kg/h of steam, pressure 0.5 bar, made of boiler sheet plate P 265 GH and seamless boiler tubes P235 GH. The boiler is supplied with all necessary fittings, steel footings, connecting flange for the corresponding torch, and protected from the outside by mineral wool in embossed Al sheet. Calculation per piece, set	pcs	1		
2.2.	Supply and delivery of level controls VMN-25 with magnetic switches. Calculation per piece	pcs	1		
2.3.	Supply and delivery of safety valves No 125 NP6. Calculation per piece	pcs	1		
2.4.	Supply and delivery of working pressure switch RT 112. Calculation per piece	pcs	2		
2.5.	Supply and delivery of working pressure switch RT 112, limit switch. Calculation per piece	pcs	1		
2.6.	Supply and delivery of water gauging fitting. Calculation per piece	pcs	1		
2.7.	Supply and delivery of probe to protect the boiler against water shortage, including relay. Calculation per piece	pcs	1		
2.8.	Supply and delivery of the main steam valve No 200 NP6. Calculation per piece	pcs	1		
2.9.	Supply and delivery of blowdown valve No 50 NP6. Calculation per piece	pcs	1		
2.10.	Supply and delivery of valve for power connection No 50 NP6. Calculation per piece	pcs	1		
2.11.	Supply and delivery of gas burner, type WEISHAAPT WM -G30 /1-A ZM-LN R2, or similar, capacity up to 1900 kW, including low-pressure gas ramp, electrical-control cabinet and probe for modulated mode. Calculation per piece, set	pcs	1		
2.12.	Supply and delivery of black sheet chimney f 420 x 2.500 with connecting flanges for boiler, inspection opening, connection for measuring products of combustion, and externally insulated with mineral wool in aluminum sheet. Calculation per piece, set	pcs	1		

2.13.	Dismantling of the existing boiler from the installations, including dismantling of the burner and equipment, removal from the boiler room, loading and transport to the location specified by the user, up to 10 km of distance. Calculation per piece, set	pcs	1		
2.14.	Unloading by crane, bringing new boiler in the boiler room and its placement. Calculation per piece, set	pcs	1		
2.15.	Connecting boiler to steam, power supply and flueway installation and connection. Calculation per piece, set	pcs	1		
2.16.	Connection and installation of complete automation and fittings on the boiler, burner installation and connection of low-pressure gas ramp with gas installation. Calculation per piece, set	pcs	1		
2.17.	Cold trial of boiler and installations. Lump sum calculation, set	LS	1		
2.18.	Electrical works on connecting the burner and automatic control, and hot trial of boiler. Lump sum calculation, set	LS	1		

2. TOTAL STEAM BOILER

SUMMARY

PUMPING STATION OF RAINWATER SEWAGE
STEAM BOILER

TOTAL ALL WORKS

TOTAL excluding VAT