



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076

PR No. 1000022547 (Rfx No. 6100000932)

Detailed Technical Specifications for Steam Boiler required at RSJRS site for Umbrella Project of Jaggery (RGSTC):

Technical specification of boiler:

S.N.	Parameters		Unit	
1	General boiler information	A) Boiler design capacity	600	Kg/hr.
		B) Design pressure	7	kg/cm ²
		C) Design temperature	165	Celsius
		D) Boiler running hours per day	24	Hours
		E) Average working days per year	200	Days
		F) Type of boiler required	Smoke tube/Water tube	
2	Steam related information	A) process steam pressure required	6	kg/cm ²
		B) Process steam demand per hour	500	Kg/hr.
		C) Average steam consumption per day	12	ton
		D) Process steam temperature require	165	Celsius
		E) Steam quality requirement	dry	
		F) Steam use for operations	Vacuum and atmospheric	
3	Fuel related information	A) Type of fuel used	Sugarcane bagasse	
		B) Moisture content	20 -25	%
		C) Average fuel calorific value	2500 - 3000	Kcal/kg
4	Special requirement	A) Require additional chute on top of the furnace chamber for continuous fuel feeding.		
		B) Boiler require as per IBR norms		

1. Installation and Commissioning: The equipment should be successfully installed and commissioned at Site.
2. Suppliers Past Performance: The supplier must have supplied at least 3 such systems for Jaggery production or related food industry in last 3 years. Details of Previous Supply Orders to be submitted as per 'Format 3' and enclosed copies of supply order
3. Warranty for the period of one year
4. Supplier should quote in DDP only.
5. Prices should include transportation and transport insurance, Installation and Commissioning.