

10.03.05

ANNEXURE - "I"

BRIEF TECHNICAL SPECIFICATIONS AND SCOPE FOR TWO NOS.
TEXMACO WATER TUBE BOILERS A/C DWARIKESH

<u>PERFORMANCE PARAMETER</u>		<u>PER BOILER</u>
1.1	Maximum Continuous Rating	60 Ton/ hr.
1.2	Peak Rating for half an hour per shift	110% of MCR
1.3	Pressure at Superheater Outlet	45 Kg / cm ² g
1.4	Steam Temperature at Superheater Outlet	420°C ± 5°C
1.5	Feed Water Temperature at Deaerator Inlet	85°C - 105°
1.6	Fuel content	Bagasse with 50% moisture
1.7	Efficiency on Gross Calorific Value at MCR Bagasse on Bagasse with 50% moisture content	69 ± 1% on GCV of
1.8	Installation	Outdoor
1.9	Flue gas temperature at the Air heater outlet	Up to 170°C
1.10	Excess Air - as a percentage of theoretical air	35%
1.11	Heating Surfaces	2100 M ² 240 M ²
	a) Boiler	
	b) Superheater	
	c) Economizer	
	d) Air heater	
	471 M ² 2040 M ²	31.6 M ²
1.12	Furnace Grate Area	

Notes

- The figures marked under "" are guaranteed and balance are predicted only.
- The electrical system considered is of 415V, 3 Phase, 50 Hz. and for Single Phase 220V A.C. Supply.
- The Boilers shall be manufactured conforming to latest Indian Boiler Regulations.
- In case of typical erection materials viz., Bricks, Valves, Instrumentation, Pipes & fittings, Fastners, Insulation materials etc., some extra quantities may be sent which shall be Suppliers' property and shall be taken back after completion of erection.

2. TECHNICAL SPECIFICATIONS (PER BOILER)

2.1 Main Boiler Plant :

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