

NITIN CORPORATION

402, 4th Floor,
Bezzola Complex,
Sion – Trombay Road,
Chembur,
Mumbai – 400071,
India.

WEB : www.corponit.com

E – MAIL : enquiry@corponit.com
nitincorporation@yahoo.com

FAX : +91 - 22 - 25235386
PH (O) : +91 - 22 - 25234478/67973677

12.5 MW BIOMASS POWER PLANT



Year of Manufacture	: 2001
Year Retired	: 2010
Service Hours	: ~ 70,000
Condition	: Excellent
Status	: Installed on foundation

**NITIN CORPORATION,
MUMBAI, INDIA.**

BOILER

Manufacturer : Standardkessel Duisburg,
Germany

Type : Radiant type natural
circulation

Fuel Type : Biomass – Wood Chip

Firing : Underfeed Stoker

Fuel Load (thermal input): tba

Live Steam Quantity : 46,000 kg/h

Live Steam Pressure : 74 bara

Maximum admissible
Pressure : 85 bara

Live Steam Temperature: 493 ° C

Efficiency : 86%

Start-up : Gas/Oil



12.5 MW CONDENSING STEAM TURBINEGENERATOR



Year of Manufacture	: 2001
Year Retired	: 2010
Service Hours	: ~ 70,000
Condition	: Very Good
Status	: Installed on foundation

TURBINE

Manufacturer : Alstom First Brno
Type : Condensing
Rated Power : 13,350 kW
Rated Speed : 6,804 rpm
Rated Inlet Pressure : 70 bara
Rated Inlet Temperature : 490 °C
Rated Inlet Flow : 47,150 kg/h

GEAR

Manufacturer : Renk
Type : Double helical
Rated Power : 13,938 kW
Input Speed : 6,804 rpm
Output Speed : 1,500

GENERATOR

Manufacturer : ABB Motors AB, Svezia
Specification : tba
Insulation Class : F
Type : 4 Pole
Rated Power : 14,312 kVA
Active Power : 11,450 kW
Power Factor : 0.8
Voltage : 11,000 V
Current : 751 A
Phases : 3
Frequency : 50 Hz
Rated Speed : 1,500 rpm

EXCITER

Voltage : 65 V
Current : 763 A

