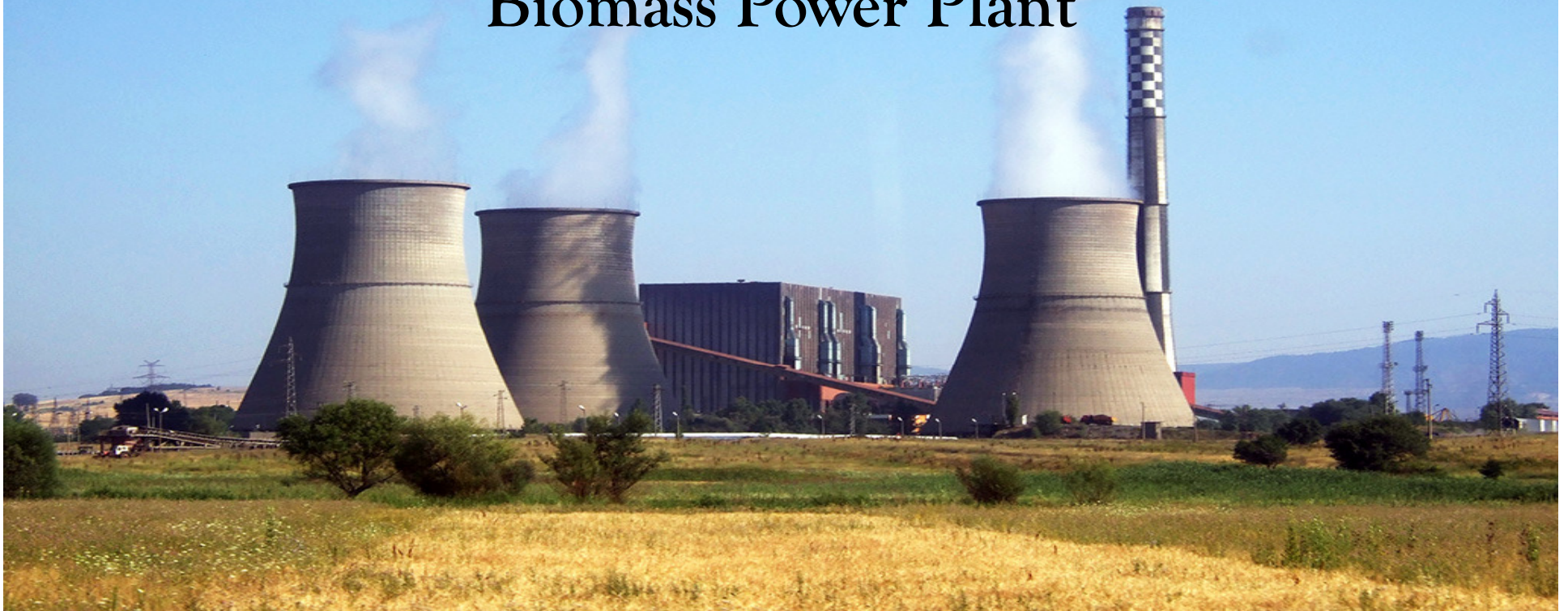


Investment Opportunity in a New 8 MW Biomass Power Plant



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Introduction



- The plant was commissioned in March 2010 and was synchronized with grid at 33KV at 132/33 KV EHV substation.
- Plant is equipped with latest technology oriented, CFBC Boiler where efficiency of boiler is around 87% and station heat rate around 3400 Kcal/KW/hr.
- Strategically located in the erstwhile Rice Bowl of Madhya Pradesh to have abundant supply of biomass fuel.



Highlights of the Project



- Boiler is designed for multiple fuels and capable of burning low calorific value fuel due to its state of the art technology.
- Fuel handling system and boiler designed to use wood chips, coal, stalks, rice husk, etc,.
- Company has applied for coal linkage and is expected to get it in this financial year.
- Company presently sources its total rice husk quantity from the rice mills owned by promoters.



- Plenty of rice husk is available in the region at a price of ₹1400 – 1600 per ton at a GCV of 3250 Kcal/Kg.
- The proximity of coal mines is 70 KM and company already sourced the coal fines from Jharsuguda for its stipulated portion of the fossil fuel consumption.
- Company has its own Operation and Maintenance staff.
- Presently company is selling power in open market.
- Plant is registered for CDM with UNFCCC



CAPEX

Nature of facility	Name of the Bank	Amount (₹. In Lacs)
Equity		1411.65
Secured Term Loan	HUDCO	2000.00
Unsecured Loan		100.00
Total (CAPEX)		3511.65



Technical Details

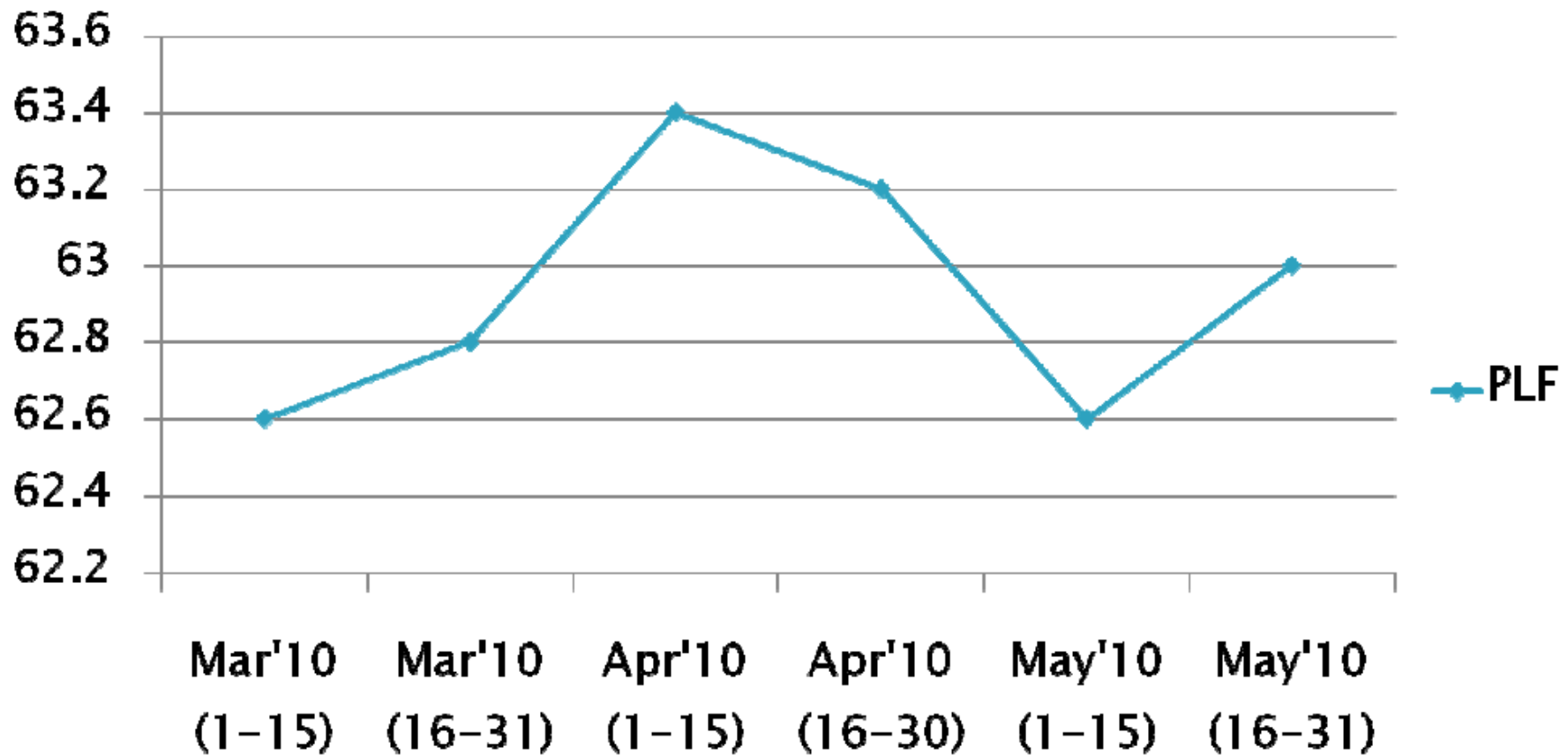


- Company has state of the art plant with modern equipment.
- Boiler manufactured by WUXI Huaguang Boilers Ltd.
 - 35 tPH, 485 deg C temperature, 66 ata
 - Circulating Fluidized Bed Combustor
- Turbo-generator set supplied by Qing Hong Dao
 - 8 MW rating
- Cooling Tower --- Mist cooling system
- D M Plant ---
- Switch yard - indoor breakers, 11/33KV and aux 11KV/415 V trafos
- Fuel Handling
- Ash Handling - pneumatic



Project Statistics

Plant Load Factor (%)



Investment Rationale



Ideal Location of Plant	<ul style="list-style-type: none">• Plant is located with great infrastructure facilities and proximity to the agricultural areas making it convenient both for sourcing of fuel as well as for the employees.• Ground water sanctions are available.• Other plants are located at a radius of 25 Km• Coal transportation through rail rakes is possible.
Established plant and Suppliers Base	<ul style="list-style-type: none">• The plant has demonstrated 80% capacity utilisation.• World class technical equipment from renowned suppliers.• Plant has ability to run over and above the rated capacity.• Plant has a 4 tonne capacity parboiling rice mill attached to it and LP steam tapping from turbine is provided.
Attractive Tariff Rate	<ul style="list-style-type: none">• Company is selling power in open access at a tariff between Rs. 4 and Rs. 6 per unit.• Company can get into PPA with CSPTCL where the tariff rate is Rs. 4.05.• Renewable power subsidy from CERC at Rs 1.50 per unit is applicable if company opts for PPA with CSPTCL





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