



Electric Power Generation From Rice Husk


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At a glance

- Electric power from Rice Husk and Technical and economic feasibility
 - Type: Stand alone or grid connected power plants
 - Range: 200-250 kW or 1-6 MW
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The potential & Location of Power Generation Plants

- Annual paddy production: $40 - 45 \times 10^5$ MT
- Assuming 20% of weight is converted into husk, $\sim 8 - 9 \times 10^5$ MT of husk annually.
- 2 kh husk equivalent to 1 kWh electricity production.
- Theoretically, 400 MW power plant with 4×10^5 MT husk.

The potential & Location of Power Generation Plants (contd)

- 100,000 rice mills in Bangladesh
- Dinajpur, Sherpur, Naogaon, Chapao Nawabganjk, Ishwerdi, Kaliakoir
- Maximum are small capacity mills, 5 -10 MT/day
- 490 Lower-mid sized mills, 25 – 50 MT/day
- 50 Large sized mills, 30 – 120 MT/day
- **Realistic estimation: 100 MW from rice husk, generating unit sizes 250 – 300 MVA.**







THANK
YOU

