

CONSTRAINTS IN 24 X 7
WORKING OF BRIQUETTING
PLANTS IN INDIA

BACKGROUND

- Around 800 briquetting presses are operating in India.
- More than 3 Million Tons of briquette is produced annually.
- Annualized output is hardly 3000 TPA against the rated capacity of 5000 TPA.
- It is planned to install 4000 Briquetting presses by 2020.

CONSTRAINTS....1

“Less working hours due to non availability of Power”

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- ***National Power Scenario***
- ***Poor Connectivity***
- ***Mitigation by DDGS*** (Decentralized Distributed Power Generation)
- ***High capital cost of DDGS & non availability of equipments***

CONSTRAINTS....2

“Poor yield due to inefficient management of biomass residues”

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- ***Seasonal Availability***
- ***Inadequate Harvesting Technology***
- ***Non existent mechanized preprocessing*** and transport
- ***Open storage of semi processed biomass residues***

CONSTRAINTS....3

“Round the year feeding of the semi processed biomass into the densification plant”

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- ***Open Storage*** causes ***Degeneration*** and ***Decomposition***
- ***Constraints*** in ***natural drying*** and subsequent ***processing***
- ***Poor yield*** of ***Densification Equipment***
- ***Poor Marketability*** of product during off season

CONSTRAINTS....4

“Mechanization to increase the productivity”

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- ***Minimum Required Storage*** for round the clock production
- ***Automatic Feeding*** of processed biomass into the system
- ***Automation*** for high productivity of Press
- Effective ***Manpower Utilization***

THANK YOU

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