

Asbri Energy & Enviro Technologies Pvt. Ltd.

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GSTIN: 33AATCA2654A1ZY



Bio-CNG Plant : 20 TPD BIO-CNG Plant

1. Revenue Calculation:

i. Gas Revenue:

- ❖ Bio-Gas from paddy: 300 cum/ton
- ❖ Gas Production per day: 51,000 cum/day
- ❖ Total biogas Production per day: 1,86,15,000 cum/year
- ❖ Bio-CNG production per day: 20,000 kg per day
- ❖ Bio-CNG production/year: 73,00,000 kg per year
- ❖ **Gas Revenue @90/kg: Rs. 65,70,00,000.00**

ii. Manure revenue:

- ❖ Manure Production/day : 70 TPD
- ❖ Manure Production/year: 25,550 Tons per year
- ❖ **Manure Revenue @Rs.4000/ton: Rs. 10,22,00,000**

iii. Total Revenue : Gas Revenue + Manure revenue

: 65,70,00,000+ 10,22,00,000

: 75,92,00,000

2. Expenses Calculation:

- ❖ Paddy straw 170 tons @1700/ton: 10,54,85,000Rs.
- ❖ Plant Operation and Maintenance cost: 8,70,00,000 Cr
- ❖ Electricity Cost: Rs. 9,34,40,000
- ❖ Miscellaneous: 1,20,00,000 Cr
- ❖ **Total Expenses: Rs.29,79,25,000**

3. Net Revenue:

Net Revenue: Total Revenue – Total expenses

: 75,92,00,000 – 29,79,25,000

: 46,12,75,000

4. Bio-CNG 20 TPD Plant Investment:

- ❖ Plant cost 125 Cr
- ❖ Land cost: Not included

Summary:

Sl No	Description	Amount Rs.
1	Total Capital Cost	125,00,00,000
2	Total Revenue	75,92,00,000
3	Total expenses	29,79,25,000
4	Net Revenue	46,12,75,000

*All the calculations done on 365 days operation. In Actual, we can consider 353 days of operation (12 days as maintenance/holidays).

* Bankable DPR to be prepared by considering interest cost.

Note: Additional Revenue:

- A.** Additional revenue of Rs. 1500/ton of manure production from MoUD.
Thus **Rs.3,83,25,000** market assistance every year from Govt.
- B.** One time MNRE subsidy of **Rs.10,00,00,000 Cr** eligible for this plant.
Thus, effective investment will be around Rs.115 Cr.
- C.** Additional revenue of 4 to 7 USD per Carbon Credit can be sold internationally.
- D.** Income Tax Holiday for 5 years (new norms to be confirmed)