

Tackling Biomass Burning

Scheme launched in 2018 for 'Promotion of Agricultural Mechanization for In-Situ Management of Crop Residue'

National Policy on Biofuels notified by MoPNG

Crop diversification being promoted in the states of Punjab and Haryana

MoPNG launched SATAT- 'Sustainable Alternative towards Affordable Transportation' which promotes setting up of Compressed Biogas projects using biomass as raw material

Bio-decomposer solution (Microbial approach) to support the degradation process of stubble, developed by IARI

Coal based TPPs located within 300 Kms of Delhi to co-fire biomass based pellets, torrefied pellets/ briquettes (upto 5-10%)

Terms and Conditions

- Applications considered on first-come-first-serve basis.
- Preference for
 - Units having agreement for offtake of paddy straw pellets
 - Units having agreement with farmers for assured paddy straw supply
 - Units proposing to install Make In India equipment
- No assistance for meeting recurring or O&M or any other costs
- CPCB shall not have any liability towards time and cost overruns
- Undertaking for non-receipt of financial assistance for pelletisation plant from any other Central Govt. scheme.
- Forfeiture of Bank Guarantee (BG) in case of violation of terms and conditions or misuse of financial support.



CENTRAL POLLUTION CONTROL BOARD

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Workshop on Guidelines for grant of one-time financial support under Environment Protection Charge Funds for establishment of pelletisation and torrefaction plants to promote utilisation of paddy straw



**Organised by
Central Pollution Control Board**

Process*



*The major difference between the pelletisation and torrefaction units is the presence of a torrefaction reactor, in case of latter

Objectives of the Financial Support

- Enable reduced burning of paddy straw, in the NCT of Delhi, States of Punjab & Haryana, and NCR districts of Rajasthan & Uttar Pradesh
- Reduce usage of fossil fuels in industries and boilers, by promoting usage of pelletised/torrefied paddy straw

Applicability of Financial Support

The financial support shall be applicable to:

- Individuals/Entrepreneurs/Companies
- New Units set up after issuance of these guidelines
- Units using only paddy straw generated in the NCT of Delhi, States of Punjab & Haryana, and NCR districts of Rajasthan & Uttar Pradesh

Role of SPCB/PCC

- Examine the application and make recommendations to CPCB
- Monitor the progress of the project and ensure its timely completion
- Periodically monitor paddy straw utilization in the pelletisation plant and ensure that any other crop residue except paddy straw is not used
- Carry out independent third party audit to ascertain effective utilisation of the funds given to the Unit
- Take remedial action including recommendation of withdrawal of the financial support as may be deemed appropriate.

Financing Structure

Guaranteed setting up of plants and assured production of pellets.

Total corpus	₹ 50 Crore
Pelletisation plants	₹ 40 Crore
Torrefaction plants	₹ 10 Crore

Type of Pellet Plant	Estimated cost for 1 TPH plant	Maximum financial support* per TPH of plant production capacity	One-time support* of plant capacity	Maximum financial support to be granted
Non-torrefied	₹ 35 Lacs	₹ 14 Lacs		₹ 70 Lacs
Torrefied	₹ 70 Lacs	₹ 28 Lacs		₹ 1.4 Crore

* One-time financial support as 40% of capital outlay (excl. civil and land cost)

Workflow for funding

1

APPLICANT SUBMITS APPLICATION TO SPCB/PCC WITH NECESSARY DOCUMENTATION

2

SPCB/PCC EXAMINES THE APPLICATION AND IF RECOMMENDED, FORWARDS TO CPCB

3

APPLICATION EVALUATED BY A COMMITTEE*, CONSTITUTED BY CPCB

4

IF RECOMMENDED, CPCB TO TRANSFER FUNDS TO SPCB/PCC

5

APPLICANT SUBMITS BANK GUARANTEE TO SPCB/PCC AND SPCB/PCC RELEASES FUNDS

6

APPLICANT TO MAKE PLANT OPERATIONAL WITHIN THREE-SIX MONTHS

* Committee chaired by MS-CPCB and having representatives of CPCB, MoEF&CC, MoA&FW, CAQM, National Mission on use of Biomass in Thermal Power Plants (SAMARTH), and 1-2 representatives from SPCB/PCC of NCR