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, torrefled pellets/ briquettes (upto 5-10%)

Terms and Conditions

- Applications considered on first-comefirst-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

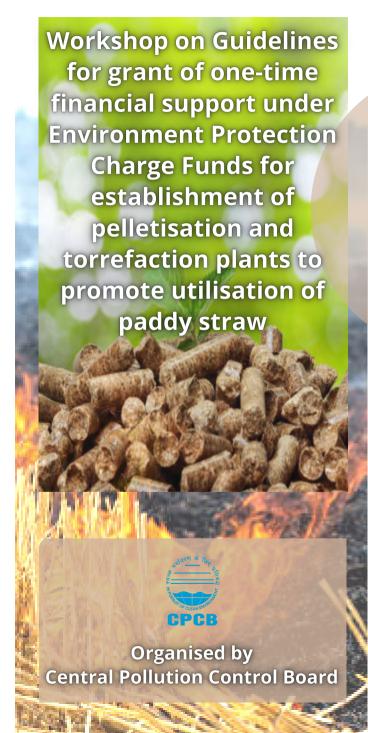
Parivesh Bhawan, East Arjun Nagar, Delhi, 110032 011-4310 2485 www.cpcb.nic.in











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 One-time financial support* per TPH of plant production 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

APPLICANT SUBMITS APPLICATION TO SPCB/PCC WITH NECESSARY DOCUMENTATION

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

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APPLICATION EVALUATED BY A COMMITTEE*, CONSTITUTED BY CPCB

IF RECOMMENDED, CPCB TO TRANSFER FUNDS TO SPCB/PCC



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

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