

COMMISSION FOR AIR QUALITY MANAGEMENT
IN NATIONAL CAPITAL REGION AND ADJOINING AREAS
17th Floor, Jawahar Vyapar Bhawan (STC Building)
Tolstoy Marg, New Delhi-110001

F. No. A-110018/01/2021-CAQM | 8045-8071

Dated: 2nd June, 2022

Subject: Permissible fuels for industrial applications in NCR.

WHEREAS, emissions from industries using polluting fuels like coal and Diesel oils etc. have adverse impact on air quality in the National Capital Region and Adjoining Areas and shifting of Industries to PNG/cleaner fuels has also been a priority for the Commission for Air Quality Management in NCR and adjoining areas;

2. WHEREAS, to this effect, the Commission, through statutory Directions No. 53, 62 and 63 dated 04.02.2022, 17.03.2022 and 18.05.2022 respectively issued to the State Governments of Haryana, Uttar Pradesh and Rajasthan and the GNCTD, *inter-alia*, in respect of industries in NCR directed that:

- (i) These shall completely switch over to PNG or biomass fuels, latest by 30.09.2022 (for industries in areas in NCR where PNG infrastructure / supply is available) and by 31.12.2022 (for industries in areas in NCR where PNG infrastructure / supply is not available), failing which such industries shall be closed down and not permitted to schedule their operations.
- (ii) The industries using biomass fuels shall adhere to the stipulated emission standards.
- (iii) Use of biomass fuels as an alternative option, in addition to PNG or other cleaner fuels, shall be permitted even in new / under commissioning industries in the NCR;
- (iv) Industries in the jurisdiction of GNCTD shall necessarily be run only on PNG or electricity.

3. WHEREAS, the Commission has further received submissions / representations from the following categories of industries citing that their

applications and technical process requirements call for much higher operating temperatures and / or calorific value of fuels as compared to those achieved through bio-mass fuels:

- (i) Standalone cupola-based foundries which mandatorily require a carbon feed stock, in addition to the fuel, have represented for permitting use of metallurgical coke, both as fuel and feedstock in cupola-based furnaces;
- (ii) Furnaces/Kilns involved in metal melting/smelting/ heating/refining processes have represented that the desired temperature/ Specific heat and calorific value would not be achieved through use of bio-mass fuels;

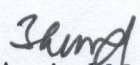
4. WHEREAS, the technical, technological and process requirements in the above two categories of industries and the respective emission characteristics of the proposed fuels have been examined and analysed in the Commission;

5. WHEREAS, the matter was also deliberated upon as a specific agenda item in the recently held meeting of the full Commission on 25.05.2022 and considering the need to optimally balance the imperatives of sustainability of industries as also the emissions from such industrial operations that have a direct bearing on the air quality, the Commission approved the proposal to also permit the aforementioned fuels as alternatives to PNG/Bio-mass fuels for industrial applications only in regions beyond the jurisdiction of GNCTD.

6. NOW, THEREFORE, in furtherance of Direction Nos. 53, 62 & 63, the Commission in exercise of its powers under Section 12 of the Act, considering the levels of emissions generally observed / achieved in respect of existing industries using such fuels viz. metallurgical coke and the family of low sulphur heavy stock fuels and based on extant related national/ international standards, hereby permit use of metallurgical coke in standalone cupola based furnaces and family of low sulphur heavy stock fuels in furnaces for metal heating / smelting / refining purposes respectively, only for regions in the NCR beyond the jurisdiction of GNCTD, subject

to the stricter emission norms and standards as under, to be complied with through technological upgrades and use of appropriate pollution control devices / systems:

Parameter	Permissible Standards	
	Metallurgical coke (For Standalone Cupola Foundries)	Low Sulphur Fuels namely LSHS, Very Low Sulphur & Ultra-Low Sulphur fuel Oil (For metal smelting/melting/ refining / heating furnaces and kilns)
PM (mg/Nm ³)	80 (Aim for achieving a level of 50 mg/Nm ³)	
SO ₂ (mg/Nm ³)	50	
NO _x (mg/Nm ³)	50	
CO	1% max	


 (Arvind Nautiyal)
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To,

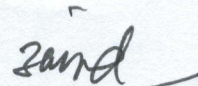
1. The ACS/Pr. Secretary, Industries Department, Govt of Haryana.
2. The ACS/Pr. Secretary, Industries Department, Govt of Rajasthan.
3. The ACS/Pr. Secretary, Industries Department, Government of Uttar Pradesh.
4. The ACS/Pr. Secretary, Industries Department, Government of NCT of Delhi.
5. Member Secretary, Haryana State Pollution Control Board.
6. Member Secretary, Rajasthan State Pollution Control Board.
7. Member Secretary, Uttar Pradesh State Pollution Control Board.
8. Member Secretary, Delhi Pollution Control Committee.

Copy to:

1. The Chief Secretary, Govt. of Haryana
2. The Chief Secretary, Govt. of Rajasthan
3. The Chief Secretary, Govt. of Uttar Pradesh
4. The Chief Secretary, Govt. of NCT of Delhi.

Copy also to:

The Chairperson and all Members, CAQM.


 (Arvind Nautiyal)
 Member-Secretary