

**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-237

Dated: 3rd June, 2022

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.

Subject: Standard list of approved fuels for various applications across NCR.

Sir,

Emissions from polluting fuels for various industrial, vehicular, domestic and miscellaneous purposes contribute significantly to the degradation of air quality in the NCR and adjoining areas and accordingly a consistent need has been felt to switch over to lesser polluting and cleaner fuel in the NCR.

2. The Central Govt., State Govts. in the NCR and the Govt. of the NCT of Delhi have been continually making efforts to move towards use of cleaner fuels across various sectors contributing to the overall air quality in the region and accordingly have an approved fuel list for various applications in their respective states, including the districts in the NCR. The State of Uttar Pradesh, however, presently does not have an approved fuel list of its own.

3. A perusal of such approved fuel lists as above indicates that there are still some heavily polluting fuels featuring in the approved fuel lists like coal, HSD, Naptha, LDO etc., the lists are not comprehensive and have a marked variation from one state to another.

4. Shifting of industries to PNG / cleaner fuels has been a priority area for the Commission and to this effect, statutory directions for permissible fuels for industrial applications in the NCR have already been issued in terms of Direction Nos. 53, 62, 63 and 64 dated 04.02.2022, 17.03.2022, 18.05.2022 and 02.06.2022 respectively.

5. As the concerns of air pollution are uniform across NCR and particularly from the standpoint of a common airshed approach for the entire NCR and adjoining areas, it is desirable to have a unified list of approved fuels for various applications across all sectors in the entire territorial jurisdiction of the NCR, towards aiming for uniform and better emission standards and an overall improved air quality in the region.

6. In pursuance of the Order of Hon'ble Supreme Court of India dated 16.12.2021 (Civil) No 1135 in the matter of Aditya Dubey (minor) and Anr v/s UOI & Ors, with a view to find permanent solution to the air pollution menace occurring every year in Delhi and NCR, suggestions were invited from the general public as well as the experts in the field. An Expert Group was further constituted by the Commission to examine and deliberate upon all such suggestions and proposals.

7. The Expert Group, in their report also strongly recommended phasing out usage of heavily polluting fossil fuels like coal, diesel oil, LDO, Pyrolysis oil, Naptha etc. across NCR and to this end, have recommended a "Common" approved fuel list for NCR, incorporating cleaner fuels, to the extent possible.

8. The proposed standard fuel list for NCR was also deliberated upon as an 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 operations as also the emissions from use of various types/ categories of fuels that have a direct bearing on the air quality, the Commission approved the standard fuel list for uniform adoption across NCR, barring some exceptions.

9. In the above light, a standard list of fuels in NCR is annexed for adoption by all the NCR States and GNCTD in as far as the regions in NCR are concerned. The aforesaid standard list shall come in force w.e.f. 01.10.2022 (for regions where PNG infrastructure and supply is already available) and w.e.f. 01.01.2023 (for other regions where the PNG supply is still not available). In effect, the approved fuel list shall be completely in force in the entire NCR w.e.f. 01.01.2023.

10. Strict compliance of the above be ensured by all concerned.


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Copt to:

1. Member Secretary, Haryana State Pollution Control Board.
2. Member Secretary, Rajasthan State Pollution Control Board.
3. Member Secretary, Uttar Pradesh State Pollution Control Board.
4. Member Secretary, Delhi Pollution Control Committee.

Standard list of approved fuels for entire NCR

- **Petrol** (BS VI with 10 ppm Sulphur) as per Notification of Government of India as amended from time to time- **Vehicular fuel**
- **Diesel** (BS VI with 10 ppm Sulphur) as per Notification of Government of India as amended from time to time- **Vehicular fuel**
- **Hydrogen/Methane**- Vehicular and Industrial purposes.
- **Natural Gas (CNG/ PNG/ LNG) - Vehicular, Industrial and Domestic Purposes**
- **Liquid Petroleum Gas (LPG) /Propane/Butane - Vehicular, Industrial and Domestic Purposes**
- **Electricity - Vehicular, Industrial, Commercial and Domestic Purposes.**
- **Aviation turbine fuel**
- **Biofuels** (Bio-alcohols, Bio-diesel, Bio-gas, CBG, Bio-CNG)- **for industrial/vehicular/Domestic purposes, as applicable.**
- **Refuse Derived Fuel (RDF)** for Power plants, Cement plants, Waste to Energy plants.
- **Firewood/ Biomass briquettes** for religious purposes.
- **Wood Charcoal / Bamboo Charcoal** for Tandoors and Grills in Hotels/Restaurants/Banquet Halls (with emission channelization/control system) and in Open eateries/ Dhabas.
- **Wood charcoal** for cloth ironing.
- **Electricity/ CNG/ Firewood and Biomass briquettes** for Crematoria.

Approved/Permissible Fuels only beyond the jurisdiction of GNCTD

- **Biomass/Agriculture refuse and Pellets/ briquettes** - for Industrial Boilers, Power plants, Biofuel projects, Cement industry, Waste to Energy plants etc.
- **Biomass Pellets/ briquettes** - for Tandoors and Grills in Hotels/ Restaurants/ Banquet Halls (along with mandatory emission channelization/ control system) and in Open eateries/ Dhabas.
- **Metallurgical coke** - For industrial purposes only in standalone Cupola based Foundries.
- **“Low Sulphur Fuels”** namely LSHS, Very Low Sulphur fuel oil & Ultra-Low Sulphur fuel Oil - for industrial purposes in metal smelting/ melting/ refining / heating furnaces and kilns.

NOTE:

1. Coal with low Sulphur shall be permitted as fuel only in Thermal Power Plants.
2. Specific requirement of any other fuel(s), other than in the lists above, by a class/category of industries / other entities, owing to technical, technological and / or process requirements shall be considered by CAQM on merits.
3. Any other clean fuel notified by the Govt. of India, from time to time, shall be included in the list appropriately.
4. All other fuels will be deemed as “unapproved” in as far as the NCR is concerned.