

**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/8218-40

Dated: 23rd June, 2022

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

WHEREAS, emissions due to use of 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. WHEREAS, 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;

3. WHEREAS, the Govt. of NCT of Delhi and the State Govts. of Haryana and Rajasthan have an approved fuel list for various applications in their respective states, including the districts in the NCR, the State of Uttar Pradesh presently does not have an approved fuel list of its own;

4. WHEREAS, 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, non-uniform and vary significantly from state to state;

5. WHEREAS, the matter related to use of clean fuels for industrial applications has already been deliberated extensively in the Commission from time to time and 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;

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6. WHEREAS, 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;

7. WHEREAS, 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, directed the Commission to with a view to "find permanent solution to the air pollution menace occurring every year in Delhi and NCR, suggestions may be invited from the general public as well as the experts in the field, an Expert Group was constituted by the Commission to examine and deliberate upon all such suggestions and proposals;

8. WHEREAS, the Expert Group in their report in the subject matter have also strongly recommended phasing out usage of heavily polluting fossil fuels like coal, diesel oil, light 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;

9. WHEREAS, the proposed standard / common 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 of clean fuels across the entire NCR, barring some exceptions;

10. NOW, THEREFORE, in exercise of its powers under Section 12 of the Act, the Commission hereby directs for adoption of a standard list of fuels in NCR as annexed;



11. The aforesaid standard list of approved fuels shall come in force w.e.f. 01.10.2022 (for areas where PNG infrastructure and supply is already available) and w.e.f. 01.01.2023 (for other areas 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.

12. Strict compliance of the above noted directions of the Commission be ensured by all concerned.



(Arvind Nautiyal)
Member-Secretary
Tel No.: 011-23701197
Email: arvind.nautiyal@gov.in

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.
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:

The Chairperson and all Members, CAQM.


(Arvind Nautiyal)
Member-Secretary

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**
- **Liquified 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/Bamboo Charcoal** for Tandoors and Grills of Hotels/Restaurants/Banquet Halls (with emission channelization/control system) and Open eateries/ Dhabas.
- **Wood charcoal** for cloth ironing.
- **Electricity/ CNG/ Firewood and Biomass briquettes** for Crematoria.

22/11/20

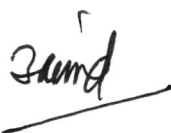
Annexure to Direction No. 65

Fuels permissible 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 of Hotels/ Restaurants/ Banquet Halls (along with mandatory emission channelization/ control system) and for Open eateries/ Dhabas.
- **Metallurgical coke** - For industrial purposes 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.

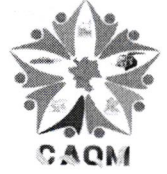
NOTE:

1. Coal with low Sulphur shall be permitted as fuel only in Thermal Power Plants in the NCR.
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.





राष्ट्रीय राजधानी क्षेत्र और निकटवर्ती क्षेत्र
वायु गुणवत्ता प्रबंधन आयोग
Commission for Air Quality Management in
National Capital Region and
Adjoining Areas



F. No. A110018/01/2021/CAQM

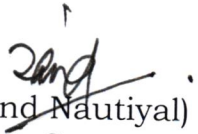
Dated: 3rd April' 2023

Addendum to Direction No: 65

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

Pursuant to the approval of the Commission at the meeting held on 10.03.2023 and in partial modification of the Commission's Direction No. 65 dated 23.06.2022, 'Annexure to Direction No.-65' is hereby updated and may now be read as **annexed** with this addendum.

Enclosure: As above


(Arvind Nautiyal)
Member - Secretary

To

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

Copy to:

1. Chief Secretary, Government of Haryana, Haryana.
2. Chief Secretary, Government of Uttar Pradesh, Uttar Pradesh.
3. Chief Secretary, Government of Rajasthan, Rajasthan.
4. Chief Secretary, Government of NCT of Delhi, New Delhi.
5. Chairman, UP State Pollution Control Board.
6. Chairman, Haryana State Pollution Control Board.
7. Chairman, Rajasthan State Pollution Control Board.
8. Chairman, Delhi Pollution Control Committee.
9. Chairman, CPCB, New Delhi.
10. Addl. Secretary, Ministry of Environment, Forest and Climate Change, New Delhi.


(R.K. Agrawal)
Director

(Revisions highlighted in bold letters)

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 and **fuel for Power Generating Set.**
- Hydrogen/Methane – Vehicular and Industrial purposes
- Natural Gas (CNG/PNG/LNG) – Vehicular, Industrial and Domestic Purposes
- Liquefied 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/Bamboo Charcoal for Tandoors and Grills of Hotels/Restaurants/ Banquet Halls (with emission channelization/control system) and Open eateries/Dhabas
- Wood charcoal for cloth ironing.
- Electricity/CNG/Firewood and Biomass briquettes for Crematoria.



Fuels permissible only beyond the jurisdiction of GNCTD

- ***Pellets/briquettes made out of biomass/Agriculture refuse, rice-husk, waste wood, saw dust and chips generating during wood processing wastes/ saw dust*** – for Industrial Boilers, Power plants, Biofuel projects, Cement industry, Waste to Energy plants etc.
- ***Wood Charcoal – for lead recycling (secondary process) units***
- Biomass Pellets/briquettes – for Tandoors and Grills of Hotels/Restaurants/Banquet Halls (along with mandatory emission channelization/ control system) and for Open eateries/Dhabas.
- Metallurgical coke – For industrial purposes 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 ***in Tunnel/Refractory*** kilns.

NOTE:

1. Coal with low Sulphur shall be permitted as fuel only in Thermal Power Plants (***TPPs***) including ***Captive TPPs*** in the NCR.
2. ***“Wood, wood logs/ blocks etc.” shall not be permitted as approved fuels.***
3. Specific requirement of any other fuels(s), other than in the lists above, by a class/category of industries/other entities, owing to technical, technological and/or process requirement shall be considered by CAQM on merits.
4. Any other clean fuel notified by the Govt. of India, from time to time, shall be included in the list appropriately.
5. All others fuels will be deemed as “unapproved” in as far as the NCR is concerned.

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