

07/1

Agenda Item No. 193.07

Regarding approved fuel.

The agenda regarding approved fuels was earlier placed before the Board in its 181st meeting held on 18.08.2018 vide agenda item no. 181.5 (**Annexure-A**) and subsequently in 183rd meeting held on 11.01.2019 vide agenda item 183.12 (**Annexure-B**) for approval and were approved by the Board.

Commission for Air Quality Management (CAQM) in National Capital Region and Adjoining Areas, New Delhi has issued directions no. 65 vide F. No. A-110018/01/2021-CAQM/8218-40 dated 23rd June, 2022 (**Annexure-C**) regarding list of approved fuel in NCR for adoption by State Pollution Control Board. The 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.

Accordingly HSPCB has issued list of approved fuel vide order dated 22.07.2022 (**Annexure-D**) for NCR and non NCR districts in the State pursuant to the compliance of directions issued by CAQM.

The orders dated 22.07.2022 regarding approved fuel issued by HSPCB is placed before the Board for kind information please.

Rajendra
(Air Cell)

07/2

Annexure A

Agenda Item no:- 1st.5 Regarding approved fuel notification.

Environment Pollution (Prevention and Control) Authority (EPCA) vide its letter dated 13.07.2018 (copy enclosed as **Annexure A**) intimates that as per section 2.7.9 of Comprehensive Action Plan (CAP), the Government of Delhi, Rajasthan, Haryana and Uttar Pradesh are required to issue notification regarding acceptable fuels in NCR Districts under section 19.3 of the Air (Prevention and Control of Pollution) Act, 1981 (copy enclosed as **Annexure B**) by December 31, 2017. EPCA would like to know the progress made by Haryana Government in this matter and timeline by which the state will issue the approved fuel notification for implementation in NCR Districts of Haryana.

In view of above, following fuels may be considered to use in State of Haryana as approved fuel;

1. Petrol (BS VI with 10 ppm Sulphur) as per the Notification of Government of India as amended from time to time.
2. Diesel (BS VI with 10 ppm Sulphur) as per the Notification of Government of India as amended from time to time.
3. Liquid Petroleum Gas (LPG) for domestic and commercial use.
4. Natural Gas/Compressed Natural Gas (CNG) for vehicles .
5. Piped Natural Gas (PNG) for boilers, furnaces and Thermic Fluid Heater.
6. Aviation turbine fuel.
7. Coal for boilers, furnaces, Thermic Fluid Heater and Brick Kilns.
8. Low- Sulphur Diesel Fuel (LSDF) for boilers, furnaces, Thermic Fluid Heater and incinerators.
9. Biomass / Agriculture refuse such as Rice Husk, Mustard Husk, Bagasse, Almond husk, Walnut Husk either in the form of Briquettes or loose to be used in Boilers, Brick kilns, Thermic Fluid Heater.
10. Firewood and dung cake for domestic use, crematoriums and for other religious purposes.
11. Wood Charcoal for Tandoors and Grills of Hotels / Restaurants/ Banquet Halls, Eating Houses having emission channelization/ control system.
12. Wood Charcoal for use in clothes ironing.
13. Wheat Stubble and Paddy Straw for power generation.
14. Biogas.
15. Refuse Derived Fuel (RDF) for Waste-to-Energy Plants.
16. Any other fuel notified by Govt. of Haryana / Govt. of India, subsequently to this notification.

Department of Environment and Climate Change, Haryana has already been requested to notify the above said fuels as approved fuels to be used in State of Haryana by issuing a draft notification in this regard for inviting objections / suggestions of all stakeholders.

The matter is placed before the Board for ex-post facto approval, please.

07/3

ENVIRONMENT POLLUTION (PREVENTION & CONTROL) AUTHORITY
for the National Capital Region

FFMS-39/18
Date: 25/7/18
Dr Bhure Lal
Chairman



EPCA-R/2018/L-71.
July 13, 2018

7242

Dear Sh. Dhesi,

Your attention is invited to the Comprehensive Action Plan (CAP) for air pollution control in Delhi-NCR prepared by EPCA and approved by the Hon' ble Supreme Court of India on December 13, 2017. As per Section 2.7.9 (Industries) of the CAP, the government of Delhi, Rajasthan, Haryana and Uttar Pradesh are required to issue notification regarding acceptable fuels in NCR districts under Section 19.1 and Section 19.3 of the Air (Prevention and Control of Pollution) Act, 1981 by December 31, 2017 (copy enclosed).

The Department of Environment, Delhi Govt. has issued notification dated June 29, 2018 regarding the approved fuels to be used in National Capital Territory of Delhi (copy enclosed). As per the said notification existing industries/ Units shall convert / switch over from their existing fuels to the approved fuels within 90 days of issue of notification i.e. September 29, 2018.

EPCA would like to know the progress made by the State Govt. of Haryana in the matter and timeline by which the State Govt. will issue the approved fuel notification for implementation in NCR districts of Haryana.

With regards,

Yours faithfully

Dr. Bhure Lal,
Chairman, EPCA

O/o ACS Ind/CA/Env./AR
Member Secretary, HGRA, Hary
Diary No. 2753
Dated 24/07/2018

CHAIRMAN
25-7-18

To
Shri Depinder Singh Dhesi, IAS,
Chief Secretary, Haryana
Haryana Civil Secretariat, Sector-1,
Chandigarh-160001
Cell (E-mail: cs-haryana@nic.in)

				Bawana Plant. Unit 1 should be made operational by 1/3/2018.
2.7.7	Progressively close the older and more polluting thermal power plants in NCR and to move to cleaner natural gas. Change the merit order dispatch policy of the Union government so as to incentivize cleaner plants to operate in the region.	Ministry of Power and state governments	MoP and MoPNG to provide plan with timelines by February 28, 2018	
INDUSTRIES				
2.7.8	Urgent ban on furnace oil, pet coke, which are dirty industrial fuels with high Sulphur and heavy metals:	MoEF&CC and state governments	Done. State governments of Delhi, Haryana, UP and Rajasthan to comply with SC order of October 24, 2017	Agreed
2.7.9	Strict enforcement against illegal use of such fuels, including fuels which do not have specifications laid down or are included in the acceptable fuels as mandated by state pollution control boards	DPCC and state pollution control boards	Immediate . State government of Delhi, Rajasthan, UP and Haryana to issue notification under Section 19.1 and 19.3 of Air Act, 1980 by December 31, 2017 State govt.	Agreed

07/5

2.7.10	Strict enforcement of air pollution control measures in all industries, includes those located in unauthorized areas.	DPCC and all state pollution boards	Immediate	Agreed	MSPC
2.7.11	Stop unrestricted import of such fuels, which are high in pollution because of high Sulphur or toxins	Ministry of Commerce	Immediate	The matter is under discussion with MOPNG and DGFT and will be finalized shortly	MSP
2.7.12	Ensure that the sale, transportation and distribution of such fuels follows CMVR strictly for hazardous goods and ensure that there is no sale in restricted regions	Oil marketing companies	Immediate	Agreed	
2.7.13	Ensure calibration and working of Continuous Emission Monitoring System (CEMS) in all industries in NCR and provide information to monitoring agencies to begin and work out how this information can be provided to public as this will ensure that the system is operational	CPCB, DPCC and all state boards	Immediate	Agreed	MSPC
BRICK-KILNS					
2.7.14	Convert all brick kilns to zigzag technology - from natural draft kilns to induced-draft kilns (zigzag technology).	MOEF, C and state pollution control boards	Done as per following schedule. Only brick kilns which have converted to zig-zag technology and have been certified by the state pollution	Agreed	MSPC F&S

(h) to advise the State Government with respect to the suitability of any premises or location for carrying on any industry which is likely to cause air pollution;

(i) to perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the Central Board or the State Government;

(j) to do such other things and to perform such other acts as it may think necessary for the proper discharge of its functions and generally for the purpose of carrying into effect the purposes of this Act.

(2) A State Board may establish or recognise a laboratory or laboratories to enable the State Board to perform its functions under this section efficiently.

18. Powers to give directions.—¹³[(1)] In the performance of its functions under this Act—

(a) the Central Board shall be bound by such directions in writing as the Central Government may give to it; and

(b) every State Board shall be bound by such directions in writing as the Central Board or the State Government may give to it:

Provided that where a direction given by the State Government is inconsistent with the direction given by the Central Board, the matter shall be referred to the Central Government for its decision.

¹⁴[(2) Where the Central Government is of the opinion that any State Board has defaulted in complying with any directions given by the Central Board under sub-section (1) and as a result of such default a grave emergency has arisen and it is necessary or expedient so to do in the public interest, it may, by order, direct the Central Board to perform any of the functions of the State Board in relation to such area, for such period and for such purposes, as may be specified in the order.

(3) Where the Central Board performs any of the functions of the State Board in pursuance of a direction under sub-section (2), the expenses, if any, incurred by the Central Board with respect to the performance of such functions may, if the State Board is empowered to recover such expenses, be recovered by the Central Board with interest (at such reasonable rate as the Central Government may, by order, fix) from the date when a demand for such expenses is made until it is paid from the person or persons concerned as arrears of land revenue or of public demand.

(4) For the removal of doubts, it is hereby declared that any direction to perform the functions of any State Board given under sub-section (2) in respect of any area would not preclude the State Board from performing such functions in any other area in the State or any of its other functions in that area.]

COMMENTS

The alternative fuel of CNG, LPG and electricity is a preferred technology which critically polluted cities like Delhi need as a leapfrogging technological option: *M.G. Mehta v. Union of India* (2002) 4 S.C.C. 356.

CHAPTER IV

PREVENTION AND CONTROL OF AIR POLLUTION

19. Power to declare air pollution control areas.—(1) The State Government may, after consultation with the State Board, by notification in the

13. S. 18 renumbered as sub-S. (1) thereof by Act 47 of 1987, S. 8 (w.e.f. 1-4-1988).

14. Inserted by Act 47 of 1987, S. 8 (w.e.f. 1-4-1988).

Q

Official Gazette, declare in such manner as may be prescribed, any area or areas within the State as air pollution control area or areas for the purposes of this Act.

(2) The State Government may, after consultation with the State Board, by notification in the Official Gazette,—

(a) alter any air pollution control area whether by way of extension or reduction;

(b) declare a new air pollution control area in which may be merged one or more existing air pollution control areas or any part or parts thereof.

19 →

(3) If the State Government, after consultation with the State Board, is of opinion that the use of any fuel, other than an approved fuel, in any air pollution control area or part thereof, may cause or is likely to cause air pollution, it may, by notification in the Official Gazette, prohibit the use of such fuel in such area or part thereof with effect from such date (being not less than three months from the date of publication of the notification) as may be specified in the notification.

(4) The State Government may, after consultation with the State Board, by notification in the Official Gazette, direct that with effect from such date as may be specified therein, no appliance, other than an approved appliance, shall be used in the premises situated in an air pollution control area:

Provided that different dates may be specified for different parts of an air pollution control area or for the use of different appliances.

(5) If the State Government, after consultation with the State Board, is of opinion that the burning of any material (not being fuel) in any air pollution control area or part thereof may cause or is likely to cause air pollution, it may, by notification in the Official Gazette, prohibit the burning of such material in such area or part thereof.

COMMENTS

Once the manner is prescribed under the Rules undoubtedly the declaration of the area has to be only in accordance with the manner prescribed but absence of rules will not render the Act inoperative. The power vested under S. 19 of the Air (Prevention and Control of Pollution) Act, would still be exercisable as provided under the provision, i.e., by declaring an area as air pollution control area by publication of notification in the Official Gazette. Non-framing of Rules does not curtail the power of the State Government to declare any area as air pollution control area by means of a notification published in the Official Gazette: *Orissa State Prevention and Control of Pollution v. Orient Paper Mills A.I.R. 2003 S.C. 1966.*

20. Power to give instructions for ensuring standards for emission from automobiles.—With a view to ensuring that the standards for emission of air pollutants from automobiles laid down by the State Board under clause (g) of sub-section (1) of section 17 are complied with, the State Government shall, in consultation with the State Board, give such instructions as may be deemed necessary to the concerned authority in charge of registration of motor vehicles under the Motor Vehicles Act, 1939 (4 of 1939)¹⁵, and such authority shall, notwithstanding anything contained in that Act or the rules made thereunder be bound to comply with such instructions.

21. Restrictions on use of certain industrial plants.—¹⁶[(1) Subject to the provisions of this section, no person shall, without the previous consent of the

15. Now see the Motor Vehicles Act, 1988 (59 of 1988).
16. Substituted by Act 47 of 1987, S. 9, for sub-S. (1) (w.e.f. 1-4-1988).

Q

07/8 Annexure B

Agenda Item no:-183.12 Regarding approved fuel notification.

The above said agenda regarding list of approved fuels was already placed before the Board in its 181st Board meeting held on 08.08.2018 vide agenda item no. 181.5 (for ex-post facto approval), which was approved by the Board and enclosed as **Annexure- A**. The list of approved fuels has now modified as per recommendation of TAC in its meeting held on 13.11.2018 (copy of minutes enclosed as **Annexure-B**) and orders has been issued after approval of the Govt. The copy of order issued regarding approved fuel list in the State is enclosed as **Annexure-C**.

The matter is placed before the Board for ex-post facto approval, please.

Agenda Item no:- Regarding approved fuel notification.

Environment Pollution (Prevention and Control) Authority (EPCA) vide its letter dated 13.07.2018 (copy enclosed as **Annexure A**) intimates that as per section 2.7.9 of Comprehensive Action Plan (CAP), the Government of Delhi, Rajasthan, Haryana and Uttar Pradesh are required to issue notification regarding acceptable fuels in NCR Districts under section 19.3 of the Air (Prevention and Control of Pollution) Act, 1981 (copy enclosed as **Annexure B**) by December 31, 2017. EPCA would like to know the progress made by Haryana Government in this matter and timeline by which the state will issue the approved fuel notification for implementation in NCR Districts of Haryana.

In view of above, following fuels may be considered to use in State of Haryana as approved fuel;

1. Petrol (BS VI with 10 ppm Sulphur) as per the Notification of Government of India as amended from time to time.
2. Diesel (BS VI with 10 ppm Sulphur) as per the Notification of Government of India as amended from time to time.
3. Liquid Petroleum Gas (LPG) for domestic and commercial use.
4. Natural Gas/Compressed Natural Gas (CNG) for vehicles .
5. Piped Natural Gas (PNG) for boilers, furnaces and Thermic Fluid Heater.
6. Aviation turbine fuel.
7. Coal for boilers, furnaces, Thermic Fluid Heater and Brick Kilns.
8. Low- Sulphur Diesel Fuel (LSDF) for boilers, furnaces, Thermic Fluid Heater and Incinerators.
9. Biomass / Agriculture refuse such as Rice Husk, Mustard Husk, Bagasse, Almond husk, Walnut Husk either in the form of Briquettes or loose to be used in Boilers, Brick kilns, Thermic Fluid Heater.
10. Firewood and dung cake for domestic use, crematoriums and for other religious purposes.
11. Wood Charcoal for Tandoors and Grills of Hotels / Restaurants/ Banquet Halls, Eating Houses having emission channelization/ control system.
12. Wood Charcoal for use in clothes ironing.
13. Wheat Stubble and Paddy Straw for power generation.
14. Biogas.
15. Refuse Derived Fuel (RDF) for Waste-to-Energy Plants.
16. Any other fuel notified by Govt. of Haryana / Govt. of India, subsequently to this notification.

Department of Environment and Climate Change, Haryana has already been requested to notify the above said fuels as approved fuels to be used in State of Haryana by issuing a draft notification in this regard for inviting objections / suggestions of all stakeholders.

The matter is placed before the Board for ex-post facto approval, please.

Recommendation of Technical Advisory Committee of HSPCB made in its meeting held on 13.11.2018 under the Chairmanship of Sh. S. Narayanan IFS, Member Secretary, HSPCB.

The meeting of TAC was held on 13.11.2018 under the Chairmanship of Sh. S. Narayanan, Member Secretary, HSPCB in his office and the following members of the committee and other officers attended the meeting:-

1. Sh. Satpal Singh Rathi, Sr. Environment Engineer-I (HQ).
2. Sh. Chand Saini, Sr. Environment Engineer-II (HQ).
3. Sh. Rajesh Garhia, Sr. Scientist (HQ).
4. Sh. Satbir Singh, District Attorney (HQ)
5. Sh. R.K. Bhosle, Regional Officer, Panchkula
6. Sh. Vikas Chand, AEE(HQ)

Sh. J.P. Singh, EE (HQ) did not attend the meeting and Sh. Nitin Mehta, EE-IT (HQ). Sh. Nirmal Kumar, EE (HQ) attended the meeting as special invitee.

At the outset of the meeting, Sr.EE-I welcomed all the officers in the meeting and thereafter, the agenda items circulated vide letter no. HSPCB/PLG-TAC/2018/5627-35 dated 13.11.2018 was taken up and discussed in the meeting as detailed below:-

Agenda item No. 1

Regarding Ease of Doing Business (EoDB) Mandate-Business Reforms Action Plan.

The above said agenda item has been received from Planning Branch for devising and recommending the comprehensive procedure for auto renewal of consent to operate under Water Act, 1974 and Air Act, 1981 as requested by EE-IT so as to implement the same to online system by their Branch in view of Ease of Doing Business (EoDB) Mandate as per requirement of Business Reforms Action Plan 2018. The EE-IT has requested to finalize the application forms, declaration, documents, fee structure, format of verification report, certificate of grant for auto renewal of CTO and to suggest about the requirement of signature of issuing authority/officer, any other specific condition, post verification in case of grant/ refusal of CTO application with timeline for purpose of developing the software for auto renewal of CTO and OCMMS.

The Board has already laid down the procedure for renewal of consent to operate under Water Act, 1974 and Air Act, 1981 alongwith application for auto renewal of CTO and checklist of documents vide order Endst. No. HSPCB/2018/517-546 dated 26.02.2018 but the mechanism for auto renewal of CTO has not been developed in the OCMMS and the application for renewal of CTO are being processed involving the verification by the concerned officers of the Board and without auto generation of the renewed CTO.

The matter has been discussed in the meeting of the Technical Advisory Committee of the Board held on 13.11.2018 and after detail deliberation the

The bottom of the page contains several handwritten signatures and initials. From left to right, there is a signature that appears to be 'Satpal Singh' with a checkmark below it, another signature, the initials 'G-nd', a signature that looks like 'Nitin Mehta', and a large signature on the right side.

07/11

comprehensive procedure has been recommended by the TAC considering the requirement of IT Cell which is at Annexure-X attached herewith.

Agenda item No. 2

Consideration of the proposal of Forest Department for granting of Rs. 1.41 Crore for work of fencing in the Beed Ghaggar.

The above said agenda item has been received from Water Cell regarding Consideration of the proposal of Forest Department for granting of Rs. 1.41 Crore for work of fencing in the Beed Ghaggar.

The matter was discussed in the meeting and after detailed deliberation, the committee was of the opinion that the matter relates to the decision taken by the Hon'ble Environment, Industries and Commerce Minister in the Environment Day celebration events, finalized for World Environment Day, 2018.

Accordingly, it was decided that the concerned Branch (Publicity) will put up the proposal, after examining the decision taken and approvals obtained in this regard. Secondly it was also decided that the expenditure details received from Division Forest Officer, Morni through Director, Environment he got routed through Principal Chief Conservator of Forest with his recommendation after due verification of norms and physical achievements of the same.

Additional Agenda item No. 1

Regarding approved fuel notification in the National Capital Region, Haryana.

The above said agenda item has been received from Air Cell-I regarding issuance of approved fuel notification in the National Capital Region, Haryana. During the course of the meeting the Branch Incharge Air Cell-I has informed that earlier the draft for approved fuel notification for issuance of draft notification was submitted to the Environment Department for which ex-post facto approval from the Board was taken vide agenda item no. 181.5 and now the file has been returned by the Government for re-examination of the list of approved fuel for the State, proposed by the Board. It was also apprised by the Branch Incharge that the such recommendation was submitted to the Government as asked by Environment Protection Advisory Committee (EPCA) vide their letter dated 13.07.2018, to issue notification regarding acceptable fuels in NCR Districts under section 19.1 and section 19.3 of Air Act, 1981.

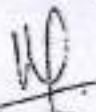
The matter was discussed in the meeting and after detail deliberation, the committee is of the opinion that the following fuels may be proposed to the Government to be notified under Air Act, 1981 as approved fuels for various uses in the whole State with adequate pollution control devices wherever required, after following the due procedure:-

1. Petrol (as approved by the Government of India norms as amended from time to time).

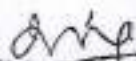
2. Mr. Singh
N *Agarwal* *G. Ch* *an* *an*

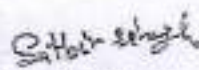
07/12


2. Diesel (as approved by the Government of India norms as amended from time to time).
3. Liquid Petroleum Gas (LPG) and PNG for domestic and commercial use.
4. Natural Gas/Compressed Natural Gas (CNG) for vehicles.
5. Piped Natural Gas (PNG) and LPG for boilers, furnaces, Lime Kilns and Thermic Fluid Heaters.
6. Aviation turbine fuel.
7. Coal for boilers, furnaces, Thermic Fluid Heaters, Lime Kilns and Brick Kilns.
8. Low- Sulphur Diesel Fuel (LSDF) for boilers, furnaces, Lime Kilns, Thermic Fluid Heater and incinerators.
9. Biomass / Agriculture refuse such as Rice Husk, Mustard Husk, Bagasse, Almond husk, Walnut Husk either in the form of Briquettes or loose to be used in Boilers, furnaces, Brick kilns.
10. Firewood and dung cake for domestic use, crematoriums and for other religious purposes.
11. Wood Charcoal for use in clothes ironing.
12. Biogas, Bio fuel, Char Coal.
13. Refuse Derived Fuel (RDF) for Power Plant, Cement Plants including Waste-to-Energy Plants.


(Vikas Chand)
AEE (HQ)



(R.K. Bhosle)
RO Panchkula

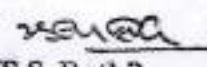

(Nitin Mehta)
EE-IT (HQ)
(Special Invitee)


(Satbir Singh)
District Attorney


(Nirajal Kumar)
EE(HQ)
(Special Invitee)


(Rajesh Garhia)
Sr. Sc. (HQ)


(Chand Saini)
Sr. E.E.-II (HQ)


(S.S. Rathi)
Sr. E.E.-I (HQ)



07/13

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph- 0172 -2577870-73 Fax No. 2581201
E-mail: hspcbhc@gmail.com

ORDER

In pursuance of the provisions of section 2(d) of the Air (Prevention and control of Pollution) Act, 1981 the Haryana State Pollution Control Board hereby declares the following fuels as the "Approved Fuels" for the purpose of the said act in the state of Haryana with adequate pollution control devices wherever required namely :-

1. Petrol (as per norms prescribed by Govt. of India from time to time)
2. Diesel (as per norms prescribed by Govt. of India from time to time)
3. Liquid Petroleum Gas (LPG) and PNG for domestic and commercial use.
4. Natural Gas/Compressed Natural Gas (CNG) for vehicles.
5. Piped Natural Gas (PNG) and LPG for boilers, furnaces, Lime Kilns and Thermic Fluid Heaters.
6. Aviation turbine fuel.
7. Coal for boilers, furnaces, Thermic Fluid Heaters, Lime Kilns and Brick Kilns.
8. Low- Sulphur Diesel Fuel (LSDF) for boilers, furnaces, Lime Kilns, Thermic Fluid Heater and incinerators.
9. Biomass / Agriculture refuse such as Rice Husk, Mustard Husk, Bagasse, Almond husk, Walnut Husk either in the form of Briquettes or loose to be used in Boilers, furnaces, Brick kilns.
10. Firewood and dung cake for domestic use, crematoriums and for other religious purposes.
11. Wood Charcoal for use in clothes ironing.
12. Biogas, Bio fuel, Char Coal.
13. Refuse Derived Fuel (RDF) for Power Plant, Cement Plants including Waste-to-Energy Plants

Dated Panchkula, the
11th December, 2018

Ashok Kheterpal,
Chairman

Endst. No. 4023-4076

Date: 12-12-2018

A copy of the above order is forwarded to the following for information:

1. Chairman, EPCA
2. Chief Secretary, Govt. of Haryana
3. Secretary, MoEF & CC, G.O.I.
4. Additional Chief Secretary, Department of Environment and Climate Change, Haryana.
5. Additional Chief Secretary, Department of Industries and Commerce, Haryana
6. Additional Chief Secretary, Haryana Transport Department, Haryana.
7. Additional Chief Secretary, Civil Aviation Department, Haryana
8. Principal Secretary to Government, Haryana, Renewable Energy Department
9. Chairman, CPCB
10. All Deputy Commissioners in the state of Haryana
11. All Branch Incharges, Head Office, HSPCB
12. All Regional Officers of HSPCB in the field
13. EE (IT) for uploading the order on website
14. PS to Chairman, HSPCB
15. PA to Member Secretary, HSPCB


11/12/18
Environmental Engineer
For Chairman, HSPCB

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;

rand

07/15

Direction No. 65

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;

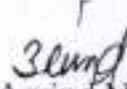
10. NOW, THEREFORE, in exercise of its powers under Section 12 of the Act, the Commission hereby directs for adoption of a standard list of fuels in NCR as annexed;

2/1/22

07/16

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

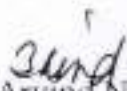
Email: arvind.nautiyal@gov.in

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

07/17

Annexure to Direction No. 65Standard 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.

2and

07/18

Annexure to Direction No. 65Fuels 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.



07/19 Annexure-1 B



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-2577870-74 E-mail:hspcbaircell@gmail.com

ORDER

Whereas, Haryana State pollution Control Board, after taking approval from State Government has notified approved fuels in the whole State vide order endst. No. 4023-4076 dated 12.12.2018; and,

Whereas, Commission for Air Quality Management in National Capital Region and Adjoining Areas, New Delhi has issued the direction no. 65 regarding Standard list of approved fuels for various applications across NCR for uniform adoption of clean fuels across the entire NCR vide F.No. A-110018/01/2021-CAQM/8218-40 dated 23rd June, 2022;

Therefore, in compliance of directions passed by Commission for Air Quality Management in National Capital Region and Adjoining Areas, New Delhi and in pursuance of the provisions of section 2(d) of the Air (Prevention and control of Pollution) Act, 1981 the Haryana State Pollution Control Board hereby declares the fuels as the "Approved fuels for NCR and Non-NCR district of Haryana" annexed as 1 and 2 respectively for the purpose of the said act with adequate pollution control devices wherever required.

The aforesaid standard list of approved fuels in NCR (Annexure-1) 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 for NCR shall be completely in force in the entire NCR w.e.f. 01.01.2023.

Dated Panchkula, the
21st July, 2022
Endst no. HSPCB/ Aircell/2022/

A.K. Singh, IAS,
Chairman
Dated:-

A copy of the above order is forwarded to the following for information please:

1. Chairperson, CAQM, New Delhi.
2. Chief Secretary, Govt. of Haryana.
3. Secretary, MOEF & CC, Govt. of India.
4. ACS, New & Renewable Energy Department, Haryana.
5. ACS, Civil Aviation Department, Haryana.

07/20

329859/2022/Air_Cell

6. ACS, Agriculture & Farmers Welfare and Development & Panchayats.
7. ACS, Environment & Climate Change Department, Haryana.
8. PS, Urban Local Bodies Department, Haryana,
9. PS, Industries & Commerce Department, Haryana.
10. PS, Transport Department, Haryana.
11. Chairman, CPCB.
12. All Deputy Commissioners in the State of Haryana.
13. All Branch In-charges, Head Office, HSPCB.
14. All Regional Officers of HSPCB in the field.
15. EE (IT) for uploading the order on website.
16. P.S. to Chairman, HSPCB.
17. P.A. to Member Secretary, HSPCB.

Signed by Vinay Gautam

Date: 22-07-2022 11:55:53
Environmental Engineer (HQ)

Reason: Approved
For Chairman

A copy of above is forwarded to following for kind information please.

1. PS to PSCM.
2. PS to APSCM.

Annexure-1

Standard list of approved fuels for entire NCR.

1. Petrol (BS VI with 10 ppm Sulphur) as per Notification of Government of India as amended from time to time- Vehicular fuel.
2. Diesel (BS VI with 10 ppm Sulphur) as per Notification of Government of India as amended from time to time- Vehicular fuel.
3. Hydroge4/Methane- Vehicular and Industrial purposes.
4. Natural Gas (CNG/PNG/LNG) - Vehicular, Industrial and Domestic Purposes
5. Liquefied Petroleum Gas (LPG) /Propane/Butane - Vehicular, Industrial and Domestic Purposes
6. Electricity - Vehicular, Industrial, Commercial and Domestic Purposes.
7. Aviation turbine fuel
8. Biofuels (Bio-alcohols, Bio-diesel, Bio-gas, CBG, Bio-CNG)- for industrial/vehicular/Domestic purposes as applicable.
9. Refuse Derived Fuel (RDF) for Power plants, Cement plants, Waste to Energy plants.
10. Firewood/ Biomass briquettes for religious purposes.
11. Wood/Bamboo Charcoal for Tandoors and Grills of Hotels/Restaurants/Banquet Halls (with emission channelization/control system) and Open eateries/ Dhabas.
12. Wood charcoal for cloth ironing.
13. Electricity/ CNG/ Firewood and Biomass briquettes for Crematoria.
14. Biomass/Agriculture refuse and Pellets/briquettes - for Industrial Boilers, Power plants, Biofuel projects, Cement industry, Waste to Energy plants etc.
15. Biomass Pellets/ briquettes - for Tandoors and Grills of Hotels/ Restaurants/ Banquet Halls (along with mandatory emission channelization/ control system) and for Open eateries/ Dhabas.
16. Metallurgical coke - For industrial purposes in standalone Cupola based Foundries.

07/22

W328859/2022/Air_Cell

17. "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. Any other clean fuel notified by the Govt. of India, from time to time, shall be included in the list appropriately.
3. All other fuels will be deemed as "unapproved" in as far as the NCR is concerned.
4. The aforesaid standard list of approved fuels in NCR 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 for NCR shall be completely in force in the entire NCR w.e.f. 01.01.2023.

Annexure-2

Standard list of approved fuels for entire non NCR.

1. Petrol (as per norms prescribed by Government of India from time to time).
2. Diesel (as per norms prescribed by Government of India from time to time).
3. Liquid Petroleum Gas (LPG) and PNG for domestic and commercial use.
4. Natural Gas/Compressed Natural Gas (CNG) for vehicles.
5. Piped Natural Gas (PNG) and LPG for boilers, furnaces, Lime Kilns and Thermic Fluid Heaters.
6. Aviation turbine fuel.
7. Coal for boilers, furnaces, Thermic Fluid Heaters, Lime Kilns and Brick Kilns.
8. Low- Sulphur Diesel Fuel (LSDF) for boilers, furnaces, Lime Kilns, Thermic Fluid Heater and incinerators.
9. Biomass / Agriculture refuse such as Rice Husk, Mustard Husk, Bagasse, Almond husk, Walnut Husk either in the form of Briquettes or loose to be used in Boilers, Furnace, Brick Kilns.
10. Firewood and dung cake for domestic use, crematoriums and for other religious purposes.
11. Wood Charcoal for use in clothes ironing.
12. Biogas, Bio fuel, Char Coal.
13. Refuse Derived Fuel (RDF) for Power Plant, Cement Plants including Waste-to-Energy Plants.