

# Bulletin



Monthly Newsletter



MAHARASHTRA POLLUTION CONTROL BOARD

SEPTEMBER 2022



## Editorial



We are gladdened to present to the stakeholders MPCB's 19th edition of E-bulletin as we continue to series. This E-bulletin is an attempt to give you a brief insight into the latest happenings in the field in terms of various new initiatives undertaken, awareness programs being carried out by MPCB and introduce the reader to the breakthrough research which is being done in this field.

In this edition of the E-Bulletin, we present to you an article on Nature-based Solutions in a two part series. Later, we present to you highlights of the celebration of International Day of Blue Skies, in Mumbai and Nagpur and highlights of the Ozone Day event. A brief synopsis of the Kerala Legislative Assembly's Study Tour in Mumbai is given and details of some important notifications and circulars by MPCB and Ministry of Environment, Forest and Climate Change, Govt. of India are also mentioned in the later pages.

We hope this E bulletin is very much valuable, informative and helpful for the readers. And we will also greet your suggestion & feedback for betterment of our future E-bulletins.

## ARTICLE

### NATURE-BASED SOLUTIONS

PART ONE

Nature-based solutions are actions that avoid greenhouse gas emissions and increase carbon storage in forests, grassland and wetlands. Well-known examples include forest conservation, restoration and management. Nature-based solutions harness the power of nature to boost natural ecosystems, biodiversity and human well-being to address major societal issues, including climate change.



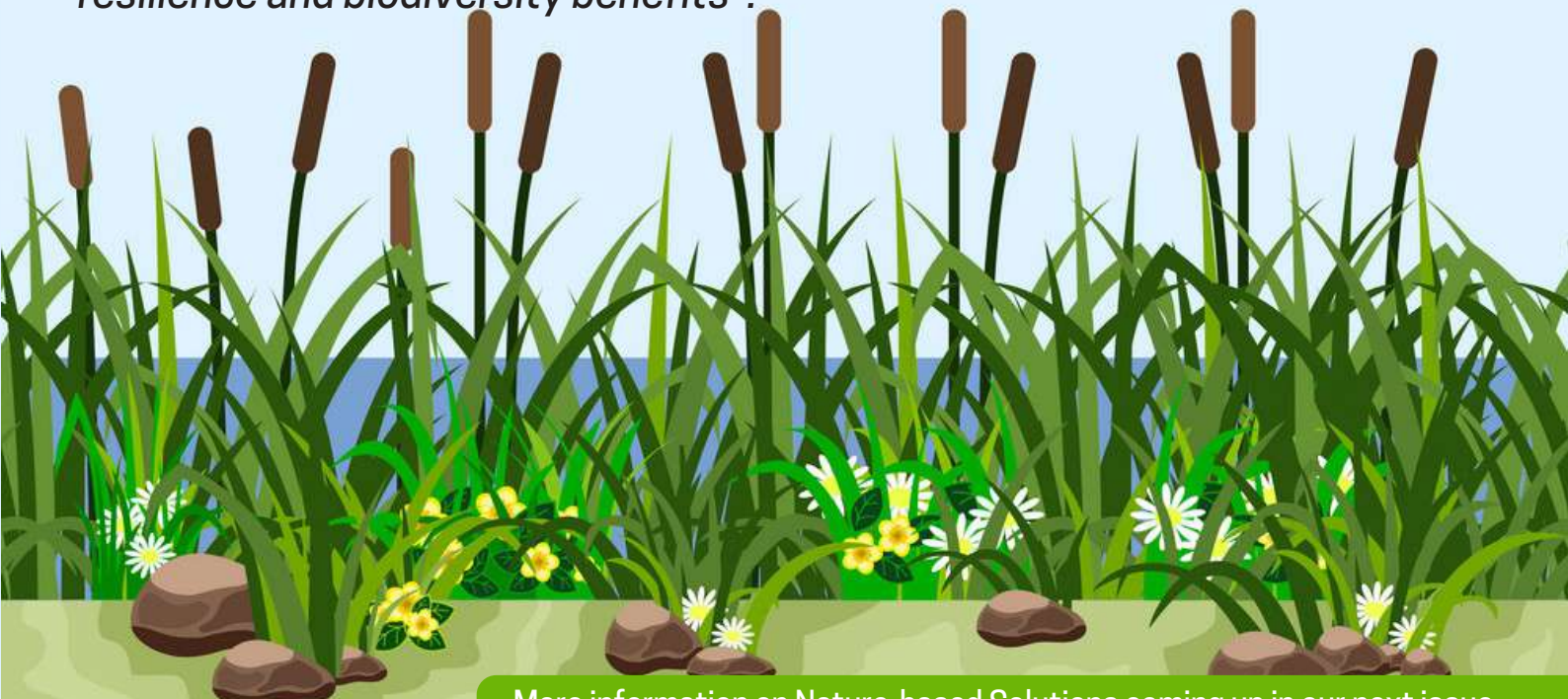
# NATURE-BASED SOLUTIONS



Some nature-based solutions, such as conserving existing wetlands, serve mainly to prevent greenhouse gas emissions. Others, such as restorative agriculture and regrowing clear-cut forests, actively remove CO<sub>2</sub> from the atmosphere. This makes them a form of carbon removal. Nature-based solutions such as green roofs, rain gardens, or constructed wetlands can minimize damaging runoff by absorbing stormwater, reducing flood risks and safeguarding freshwater ecosystems. They can contribute to disaster risk reduction, build resilient cities, improve water management and contribute to long-term food security.



In 2022, in a landmark decision, the United Nations Environment Assembly formally recognized nature-based solutions and defined them as **“actions to protect, conserve, restore, sustainably use and manage natural or modified terrestrial, freshwater, coastal and marine ecosystems, which address social, economic and environmental challenges effectively and adaptively, while simultaneously providing human well-being, ecosystem services and resilience and biodiversity benefits”**.



More information on Nature-based Solutions coming up in our next issue..



# EVENT

## Mumbai



# CELEBRATION OF THE 3RD INTERNATIONAL DAY OF CLEAN AIR FOR BLUE SKIES

On the 3rd International Day of Clean Air for Blue Skies MPCB also celebrated its 53rd Foundation Day wherein the event was started with the video recorded messages from Hon'ble Chairman and Member Secretary of the MPC Board addressing the citizens of Maharashtra regarding importance of this international day and progress of MPCB since its establishment after the welcoming of Guests Speakers and officials of MPCB.

The introductory address was presented by Dr. V.M Motghare (JD-APC) wherein he mentioned about the importance of celebrating this day as well as about the 53rd foundation day of MPCB.

Hon'ble Member Secretary Shri. Ashok Shingare[IAS] mentioned about the establishment of MPCB under the Water (Prevention & Control of Pollution) Act, 1974 & the Air ((Prevention & Control of Pollution) Act, 1981 and further expanse of

MPCB in terms of regulation and governance and responsibility. Hon'ble Chairman of MPCB, Shri. Aabasaheb Jarhad[IAS] addressed the audience in person wherein he mentioned about various efforts taken by the Board and its implementation progress in order to maintain the pollution which will ultimately result in Blue Skies.

Further MPCB has presented an audio - visual message to address the citizens of Maharashtra regarding the International Day of Clean Air for Blue Skies.

forecasting and how it helps in decision making system to prevent the potential hazards in terms of air pollution.

The 2nd Guest Speaker, Dr. Harish C. Phuleria is an associate professor with more than 15 years of experience on environmental monitoring, exposure assessment and environmental health. He highlighted the "Exposure Assessment & Health in Strategizing Air Quality Management" which also talked about the results of assessment of effects of polluted air in children as well as adults for a particular area in Mumbai.

## *The Air, We Share*

The 1st Guest Speaker, Dr. Sachin Ghude, a Scientist at Indian Institute of Tropical Meteorology, Pune and Autonomous institute of Ministry of Earth Sciences, Government of India presented on "High Resolution Operational Air Quality Early Warning & Decision Support System: Challenges & Success" which highlighted the importance of prediction models and

The 3rd Guest Speaker; Dr. Ajay Ojha presently a Partner at Technogreen Environmental Solutions, is a Doctorate (PhD) in Chemistry with specialization in Environmental chemistry from Mumbai University. He presented on "Policy Analysis for Air Quality Improvement" wherein he highlighted how development of policy and its implementation can help in achieve pollution control and regulatory governance.



The entire event is available on youtube at following link: [https://www.youtube.com/watch?v=agw13wMfq24\\_](https://www.youtube.com/watch?v=agw13wMfq24_)

**EVENT****Mumbai**

# WORLD OZONE DAY CELEBRATION

THEME: MONTREAL PROTOCOL@35: GLOBAL COOPERATION PROTECTING LIFE ON EARTH

## WINNERS OF POSTER COMPETITION

**1****2****3**

**1ST PRIZE: PRATHIKSHA S.J.,**  
CLASS VII, MYSORE, KARNATAKA

**2ND PRIZE: DEBOLEENA KHATUA,**  
CLASS XI, MEDINIPUR, WEST BENGAL

**3RD PRIZE: ARSHDEEP KAUR,**  
CLASS X, SANGRUR, PUNJAB



## PUBLICATIONS UNVEILED:

1. Montreal protocol: India's success story giving details of Montreal protocol implementation in India
2. Action plan for implementation of the recommendations of the India Cooling Action Plan: ICAP for cold chain
3. The Study report on passive and low energy cooling strategies for achieving thermal comfort in India's upcoming affordable housing
4. The study report on reductions in GHG emissions through ODS phase out under the Montreal protocol implementation in India
5. The study report on sensitizing building construction community on passive cooling design, Non- ODS, Low GWP and energy efficient technologies
6. Quarterly new letter: "newsTRAC" for RAC service technicians to disseminate information on new developments and initiatives in the RAC service sector to the technicians



Click on the following link to watch the entire event on YouTube:  
[https://www.youtube.com/watch?v=T1MPyrc\\_2s0](https://www.youtube.com/watch?v=T1MPyrc_2s0)



# EVENT

## Nagpur



## NOISE MONITORING AND AWARENESS PROGRAM DURING GANPATI FESTIVAL



## INTERNATIONAL DAY OF CLEAN AIR FOR BLUE SKIES

Celebration of International clean Air day Presided by NMC Commissioner Radhakrishnan B. IAS., A.M .Kare, RO MPCB, MrPadole Director VNIT, MrsHema Deshpande, AnandKatole, U.M .Bhadule participate and share thoughts on importance of CAAQMS for implementation of NCAP program on occasion of MPCB foundation Day





# STUDY TOUR

## KERALA LEGISLATIVE ASSEMBLY - COMMITTEE ON ENVIRONMENT



The Committee on Environment (2021-2023) of the 15th Kerala Legislative Assembly conducted a study tour from 17th-19th September 2022 in Mumbai. The Committee consisted of 5 members of the Assembly including Hon'ble Chairman. The Committee had a meeting with the sister Committee of Maharashtra Legislative Assembly/ courtesy call on Hon'ble Speaker of Maharashtra Legislative Assembly. The Committee met Maharashtra Pollution Control Board and visited places of interest in and around Mumbai.





**NOTIFICATION****MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**

New Delhi, the 5th September, 2022

G.S.R. 682(E).—In exercise of the powers conferred by sections 3, 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:—

1. (1) These rules may be called the Environment (Protection) Second Amendment Rules, 2022.
- (2) They shall come into force on the date of their publication in the Official Gazette.
2. In the Environment (Protection) Rules, 1986, in Schedule – I, in serial number 25 for “\* (i) Table 1” the following shall be substituted, namely: -

Sl No.	Category	Location/Area	Timelines for Compliance (Non-retiring units)		Last date for retirement of units for exemption from compliance	
			Parameters other than SO <sub>2</sub> emissions	So <sub>2</sub> emissions	Parameters other than SO <sub>2</sub> emissions	So <sub>2</sub> emissions
1.	<b>Category A</b>	With 10 km radius of National Capital Region or cities having million plus population <sup>1</sup>	Up to 31st December 2022	Up to 31st December 2024	Up to 31st December 2022	Up to 31st December 2027
2.	<b>Category B</b>	With 10 km radius of Critically Polluted Areas <sup>2</sup> or Non-attainment cities <sup>2</sup>	Up to 31st December 2023	Up to 31st December 2025	Up to 31st December 2025	
3.	<b>Category C</b>	Other than those included in category A and B	Up to 31st December 2024	Up to 31st December 2026	Up to 31st December 2025	

<sup>1</sup>As per 2011 census of India.<sup>2</sup>as defined by CPCB.

3. For “\* (ii)” the following shall be substituted, namely: -

“(ii) (a) The thermal power plant declared to retire before the date as specified in column (6) of Table-I shall not be required to meet the specified norms for parameters other than SO<sub>2</sub> emissions in case such plants submit an undertaking to CPCB and CEA for exemption on ground of retirement of such plant: Provided that such plants shall be levied environment compensation from the dates as specified in column (4) of table –I, at the rate of rupees 0.40 per unit electricity generated in case their operation is continued beyond the date as specified in the undertaking;

(ii) (b) The thermal power plant declared to retire before the date as specified in column (7) of Table-I shall not be required to meet the specified norms for SO<sub>2</sub> emissions in case such plants submit an undertaking to CPCB and CEA for exemption on ground of retirement of such plant: Provided that such plants shall be levied environment compensation from the dates as specified in column (5) of table –I, at the rate of rupees 0.40 per unit electricity generated in case their operation is continued beyond the date as specified in the undertaking;”

4. For “\* (iii)” the following shall be substituted, namely: -

“(iii) there shall be levied environment compensation on the non-retiring thermal power plants, after the date as specified in column (4) and (5) of Table-I, as per the rates specified in the Table-II, namely: -

Non-Compliant operation beyond the Timeline	Environmental Compensation (Rs. per unit electricity generated)
0-180 days	0.20
181-365 days	0.30
366 days and beyond	0.40”

[F. No. Q-15017/40/2007-CPW]  
NARESH PAL GANGWAR, Addl. Secy.

# MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2<sup>nd</sup> - 4<sup>th</sup> Floor  
Opp. Cine Planet Cinema,  
Near Sion Circle, Sion (E)  
Mumbai-400 022.

Date: 21.09.2022

No. MPCB/RO(BMW)/Circular/2022/B-6

## CIRCULAR

**Sub: Amendment in the Consent for inclusion of quantity of strong Streams / concentrated streams and its treatment and disposal path.**

**Ref: MPC Board's Office Order dtd: 23/12/2020**

It is observed that most of the chemical industries like pharmaceutical, bulk drug, dye & dye intermediates, specialty chemicals, synthetic organic chemicals and industries in other such sectors are generating effluents comprising Strong Streams/Concentrated Streams having high Chemical Oxygen Demand (COD) and/or high Total Dissolved Solids (TDS). It is observed that the inlet influent parameters are not meeting the inlet design parameters /criteria of individual ETPs of industries as well as Common Effluent Treatment Plants (CETPs) due to discharge of such type of concentrated effluent by the member industries of CETPs.

In most of the Consents to Establish/Operate/Renewals the quantity, treatment mechanism and disposal path of Concentrated/high COD streams and weak streams are not being mentioned separately, resulting in unsatisfactory treatment, exceedance of standards and disposal of such effluent into environment due lack of monitoring of concentrated stream by field offices of the Board. It has come to notice of the Board that due to discharge of such shock loads of effluents into ETP/CETP, most of the ETPs / CETPs are getting disturbed primarily because of such high concentrated streams especially generated from chemical pharmaceutical, bulk drug, dye & dye intermediates manufacturing industries. It is causing grave damage to environment.

For the satisfactory performance of ETP/CETPs, Maharashtra Pollution Control Board has felt it necessary to monitor and control the quality of influent discharged to ETP / CETP and segregation of such strong stream and treating it by installing own adequate facility of treatment of such Strong stream or treating in specialized common treatment facility.

Therefore, Board has asked Regional Officer Thane and Navi Mumbai to carry out an exercise, of identification, segregation and treatment mechanism for treating such Strong stream by studying material and mass balance, water consumption, manufacturing process and chemical reactions involved in it, nature and characteristics products, by products and hazardous waste from the industries having potential of generation of concentrated stream or high COD/high TDS streams. The Regional Office MPCB, Navi Mumbai & Thane has carried out the detailed study of the industries located in MIDC Talaja and Tarapur area respectively, considering their material balance and mass balance and the conditions imposed in environmental clearance and other characteristics.

Therefore, MPC Board has decided to amend all valid Consents to Establish, Operate and Renewal granted to such identified industries.

Taking into consideration, the large no. of industries and voluminous task, MPC Board has decided to temporarily delegate the powers of The Board to the Regional Officers for amendments in valid consents to Establish, Consents to Operate and Renewal for quantification of segregated strong stream and weak stream, its treatment and disposal path of strong stream by installing own treatment and disposal facility as Reverse Osmosis /Multi Effect Evaporator /Automated Thin Film Dryer etc. or treating in specialized common treatment facility.

**Continued on the next page...**



In view of above, Regional Officers are directed to execute following line of action:

Sr. No.	Action	Timeline
1.	To carryout exercise of identification of industries having potential generation of concentrated stream or high COD/TDS stream effluent and quantify the segregated strong stream and weak stream effluents.	30 <sup>th</sup> Sept. 2022
2.	To issue directions to all identified industries in order to obtain the proposal for treatment and disposal path for strong and weak stream with timeline. These proposals shall be submitted by the industries on or before 30 <sup>th</sup> Oct. 2022.	08 <sup>th</sup> Oct. 2022
3.	After receipt of proposal from Industries, RO shall amend the valid Consents to Establish / Operate and Renewal granted to those identified industries <u>limited to quantification of segregated strong stream and weak stream and its treatment and disposal path of strong stream by mentioning timeline not more than six months.</u>	15 <sup>th</sup> Nov. 2022

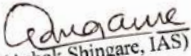
This delegation of the power is restricted only for amendment of the valid consents to Establish, operate and Renewal, with respect to quantification of segregated strong stream and weak stream and its disposal path of strong stream by installing own disposal facility as RO/MEE/ATFD or treating in specialized common treatment facility.

This delegation of power is valid only upto 15<sup>th</sup> November 2022.

All Regional Officers shall submit the list with amended copies to Head Office and to upload the copies on MPCB portal in MPCB Documents of respective industries. Regional officers should not carry out any other amendment in Consent except as mentioned above.

All Ros/SROs are hereby directed to scrutinize the fresh applications for consent to establish/operate and renewal of consent to operate on the principles mentioned above and submit those applications to concerned Competent Authority for Consent approval as per delegation of Powers of Consent Management, issued vide letter dtd; 23/12/2020.

**D.A.:** Format for amendment.

  
(Ashok Shingare, IAS)  
Member Secretary

Copy submitted to:

1. The Hon'ble Principal Secretary, Dept. of Env't. & CC, GoM, Mantralaya, Mumbai – for favour of information.
2. The Hon'ble Chairman, M.P.C. Board, Mumbai – for favour of Information
3. The Member Secretary, CPCB, Delhi.

Copy to:

1. Principal Scientific Officer / Asstt. Secretary (Tech.) / Joint Director (APC) / Joint Director (WPC), M.P.C. Board, Mumbai – They are directed apprise the list of amended consents to consent granting authority – CAC / CC Cell.
2. All Regional Officers, M.P.C. Board.
3. All Sub Regional Officer, M.P.C. Board.

**CIRCULAR**

**Business Reform Action Plan (BRAP)-  
२०२२ अन्वये Department for Promotion  
Industry & Internal Trade (DPIIT) यांनी  
सूचित केलेल्या सुधारणांवर कार्यवाही  
करण्याबाबत...**

**महाराष्ट्र शासन  
उद्योग, उर्जा व कामगार विभाग  
शासन निर्णय क्रमांक: एफएसी-२०२२/प्र.क्र.१९९/कामगार-४  
हुतात्मा राजगुरु चौक, मादाम कामा रोड,  
मंत्रालय, मुंबई-४०० ०३२.  
दिनांक: २३ सप्टेंबर, २०२२.**

**वाचा:-** १) शासन पत्र क्र.संकिर्ण-२०१८/प्र.क्र.१०४/कामगार-९, दि.११.१२.२०१८  
२) अधिसूचना क्र.संकिर्ण-२०२०/प्र.क्र.६७/कामगार-९, दि.२३.१२.२०२०  
३) संचालक, औद्योगिक सुरक्षा व आरोग्य संचालनालय, मुंबई यांचे क्र.संऔसुवआ/सूट/  
९९२६/११, दि.७.९.२०२२ रोजीचे पत्र.

**प्रस्तावना :-**

Business Reform Action Plan (BRAP)-२०२२ मधील शिफारशीस अनुसरून विकास आयुक्त (उद्योग) यांनी सुधारणा क्र.११४- कारखाने अधिनियम, १९४८ अंतर्गत कारखान्याचा परवाना नुतनीकरण करण्यासंदर्भात कार्यवाही करण्याबाबत सूचना केल्या आहेत. त्यानुषंगाने संचालक, औद्योगिक सुरक्षा व आरोग्य संचालनालय, मुंबई यांचेकडून कारखान्याच्या परवाना नुतनीकरण सेवांमध्ये स्वयंनिर्मित परवाना नुतनीकरण होण्यासाठी संगणक प्रणालीत योग्य त्या सुधारणा करण्यास मान्यता देण्याबाबतचा प्रस्ताव संदर्भ क्र.०३ च्या पत्रान्वये शासनास प्राप्त झाला आहे. महाराष्ट्र कारखाने नियम, १९६३ च्या नियम ९ मधील तरतुदींमध्ये कोणत्याही कारखान्याचा परवाना ४ महिन्यांत नुतनीकरण करण्याची तरतूद आहे. सदर कालावधीमध्ये कार्यवाही न झाल्यास परवान्याचे नुतनीकरण झाले आहे (Deemed Renewal) अशी तरतूद करण्यात आली आहे, तसेच उपरोक्त संदर्भ क्र. (१) व (२) येथील शासन निर्णय व अधिसूचनेन्वये महाराष्ट्र लोकसेवा हक्क अधिनियम, २०१५ मधील तरतुदीस अनुसरून औद्योगिक सुरक्षा व आरोग्य संचालनालयामार्फत पुरविण्यात येणाऱ्या सेवांचा कालावधी विहित करण्यात आलेला आहे. तथापि, विहित केलेला कालावधी संपुष्टात आल्यानंतर स्वयंनिर्मित परवाना नुतनीकरण होण्यासाठी संगणकीय प्रणालीमध्ये अनुषंगिक बदल होणे आवश्यक आहे. त्यास अनुसरून अशा प्रकारचे बदल करण्यास मान्यता देण्याची बाब शासनाच्या विचाराधीन होती.

**शासन निर्णय :-**

Business Reform Action Plan (BRAP)-२०२२ अन्वये DPIIT यांनी सुधारणा क्र.११४ अन्वये कारखान्याचा परवाना नुतनीकरणा संदर्भात सुधारणा सुचविल्या आहेत. त्यास अनुसरून DPIIT यांनी सुचविलेल्या सुधारणा व संदर्भ क्र. (१) येथील शासन निर्णयातील विहित तरतुदी विचारात घेण्यात आल्या असून, त्यानुषंगाने कारखाने अधिनियम, १९४८ व महाराष्ट्र कारखाने नियम, १९६३ मधील तरतुदी अंतर्गत कारखान्याचा परवान्याचे नुतनीकरण करण्यासाठी संदर्भ क्र. (१) येथील दि.११.१२.२०१८ रोजीच्या शासन निर्णयान्वये विहित केलेला कालावधी संपुष्टात आल्यानंतर परवान्याचे स्वयंनिर्मित नुतनीकरण (Auto-Renewal) होणेसाठी संगणकीय प्रणालीमध्ये आवश्यक ते बदल करण्यास शासन मान्यता देण्यात येत आहे. सदर शासन निर्णयाच्या अनुषंगाने संचालक, औद्योगिक सुरक्षा व आरोग्य संचालनालय, मुंबई यांनी त्यांचे स्तरावरून संबंधित संगणकीय प्रणालीवर आवश्यक ते अनुषंगिक बदल करण्याची कार्यवाही तातडीने करावी.

सदर शासन निर्णय महाराष्ट्र शासनाच्या [www.maharashtra.gov.in](http://www.maharashtra.gov.in) या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक २०२२०९२३१७०३०९३६१० असा आहे. हा आदेश डिजिटल स्वाक्षरीने साक्षांकित करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

(दिपक पोकळे)  
उप सचिव, महाराष्ट्र शासन



**NOTIFICATION**

27th September, 2022

**PROCEDURE FOR TRANSFER OF PROPOSALS FROM CENTRAL LEVEL TO STATE LEVEL AND VICE-VERSA****2015**

In December, notification of stringent emissions limits issued for sulphur dioxide, nitrogen oxides, particulate matter, mercury and water usage of coal-based thermal power plants. Deadline end of 2017.

**2017**

Power plants granted five-year extension (till December 2022) to meet the deadlines in a phased manner. Eleven plants in Delhi-NCR were to comply with the norms by 2019.

**2018**

In June, water norms for units installed after January 2017 diluted from 2.5 m<sup>3</sup>/MWh to 3 m<sup>3</sup>/MWh.

**2019**

In May, NO<sub>x</sub> norms for units installed in 2004-16 diluted from 300 mg/Nm<sup>3</sup> to 450 mg/ Nm<sup>3</sup>.

**2021**

MoEF&CC on March 31 issued notification specifying new deadlines for compliance, with the norms based on the location of the coal thermal power plants

**2022**

MoEF&CC on September 5 issued a notification extending earlier deadlines



For more details:

CONTACT:

<http://mpcb.gov.in>

[ebulletinmpcb@gmail.com](mailto:ebulletinmpcb@gmail.com)

022-24020781 / 24014701

Maharashtra Pollution Control Board,  
Kalpataru Point, Opp. PVR Cinema,  
Sion Circle, Mumbai-400 022



<http://mpcb.gov.in>



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