

Uttar Pradesh Pollution Control Board
T.C.-12V, Vibhuti Khand, Gomti Nagar,
Lucknow

No. H48273 /C-1/NGT-83/2020

Date : 27-2-2020

Office Memorandum

Whereas, in compliance of order passed by Hon'ble National Green Tribunal dated 23.08.2019 in OA no. 1038/2018 News item published in "The Asian Age" Authored by Sanjay Kaw Titled "CPCB to rank industrial units on pollution levels" a mechanism has been issued by Ministry of Environment, Forest and Climate Change, Government of India vide O.M. No. 22-23/2018/-IA.III(Pt) Dated 31-10-2019 for Environmental Management of Critically and Severely polluted areas. The mechanism has also been circulated by Central Pollution Control Board vide letter no. CPCB/IPC-VII/CEPI/NGT/2019 dated 25-10-2019. It is mentioned in the mechanism that SPCBs/PCCs may prescribe condition suggested in the mechanism to those projects/activities of Red/Orange categories located in CPAs/SPAs which are not covered under EIA Notification 2006. Hon'ble National Green Tribunal considered the matter related to remedial action for control of pollution in identified 100 polluted industrial clusters in whole of India and has passed order dated 14-11-2019. The operative portion of the order regarding implementation of Mechanism is given below:

" MOEF&CC vide letter dated 24/10/2019 asked CPCB to share the mechanism with the State /UT Govts. and SPCB PCCS for implementation. Accordingly, CPCB vide letter dated 25/10/2019 communicated the mechanism to the concerned State /UT Govts. and SPCB/ PCCs for necessary action. MoEF&CC also asked CPCB that report regarding CEPI and EPI assessment study may be put up to Ministry for further deliberation, which has been done...

...7. Mechanism circulated by the CPCB by letter dated 24.10.2019 proposes environmental management of CPAs and SPAs and the mitigation measures proposed.

...11.... The CPCB may also revise its mechanism for expansion and new activities by red and orange category of industries in critically/ severely polluted areas consistent with the spirit of the earlier orders of this Tribunal and principles of environmental law to bring down the pollution load and ensure that activities do not further add to such load... "

Whereas, CPCB has shared the CEPI Score data sheet and list of Industrial Areas/Clusters of each PIAs of State of Uttar Pradesh namely Mathura, Kanpur, Moradabad, Varanasi-Mirzapur, Bulandshahar-Khurza, Firozabad, Gajraula, Agra, Ghaziabad, Noida, Meerut, Aligarh, Sighrauli (UP & MP) .



In compliance of order passed by Hon'ble National Green Tribunal and in accordance to the mechanism issued by Ministry of Environment, Government of India a Committee comprising representative of CPCB and UPPCB was constituted by Member Secretary, U.P. Pollution Control Board vide O.M. no. H46656/C-1/NGT-83/2020 dated 22-01-2020 regarding recommendation for laying down stringent norms for new proposed units in Critically and Severely polluted areas in the State of Uttar Pradesh. It was also decided by the Committee to take suggestions from IIT Kanpur also.

Now therefore, on the basis of final recommendations of above mentioned Committee and in exercise of the power conferred under sub section (1) of section 17 of the Water (Prevention and Control of Pollution) Act, 1974, (Act No. 6 of 1974), under sub section (1) of section 17 of the Air (Prevention and Control of Pollution) Act, 1981, (Act No. 14 of 1981), read with under sub rule (2) of rule 3 of Environment (Protection) Rules, 1986, Uttar Pradesh Pollution Control Board hereby lay down following standards for stack emission, effluent discharge and mitigation measures to control Air, Water & Land pollution for new proposed/expansion in Red and Orange category industries in above mentioned Critically and Severely polluted areas in the State of Uttar Pradesh:-

A. Mitigation measures to control air pollution in all new and expansion activities listed in Red and Orange category located in CPA/SPAs :

1. Emission standards for Boiler:-

S.No.	Steam generation capacity (ton/hour)	Revised emission Standard Particulate Matter (mg/Nm ³)	Air Pollution Control System
1	Less than 2	600	Multi-cyclone/Ventury Scrubber
2	2 to less than 10	400	Multi-cyclone/Ventury Scrubber
3	10 to less than 15	300	ESP/bag filter
4	15 and above	100	ESP/bag filter: increase number of fields in ESP

However a liberty shall be there to introduce/switch on to cleaner fuel such as CNG/PNG/LPG/ Bio-gas.

2. All new and expansion activities shall achieve 20% reduction in source emission for specific criteria pollutants by introducing suitable pollution control interventions/technologies. However a liberty shall be there to introduce/switch on to cleaner fuel such as CNG/PNG/LPG/ Bio-gas. The Emission standards for Boiler shall be as mentioned at serial no.-1



3. Online Continuous Emission Monitoring System (OCEMS) shall be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.
4. Effective fugitive emission control measures, shall be imposed in the process, transportation, packing etc.
5. Transportation of materials by rail/conveyor belt, wherever feasible.
6. Use of pet coke/furnace oil are prohibited & use of Low Sulphur Heavy Stock (LSHS) shall be avoided.
7. Best Available Technology shall be used; for example, usage of Electric Arc Furnace/Submerged Arc Furnace/Induction Furnace in place of Cupola furnace. However gas based Cupola Furnace shall be allowed. Usage of Supercritical technology in place of sub-critical technology.
8. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
9. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.

B. Mitigation measures to control water pollution:

1. Effluent and Sewage Treatment plant of adequate capacity shall be installed & the treated effluent shall comply with the prescribed standards for specific criteria pollutants under the provisions of Environment (Protection) Act, 1986. Treated Effluent standards for Chemical Oxygen Demand (COD), Bio-chemical Oxygen demand (BOD) and Total Suspended Solids (TSS) shall be as given below:-
 - $COD \leq 150 \text{ mg/l}$
 - $BOD \leq 20 \text{ mg/l}$
 - $TSS \leq 50 \text{ mg/l}$
 - In case of site / sector specific requirement UPPCB shall reserve the right to prescribe standards for specific parameters.
2. Industries such as Leather Tanneries, Textiles, Dye & Dye intermediates, Paper industry, Electroplating, Pharmaceuticals, Slaughter House, Meat Processing, Chemical manufacturing and all Red and Orange category units in CPA/SPAs shall ensure adoption of suitable cleaner technologies for production and effluent treatment so as to optimally reduce water consumption, waste water generation and achieve stringent norms with an ultimate aim to achieve Zero Liquid Discharge. Time Target Action Plan for achieving Zero Liquid Discharge shall be submitted by project proponents.
3. All new molasses based distilleries including yeast manufacturing units/increase in production in existing molasses based distilleries including yeast manufacturing units shall achieve zero liquid discharge (ZLD) by;
 - I. Concentrating and incinerating the spent wash. Raw / Bio-methanated spent wash to be concentrated by MEE (minimum 45-60 % solids) and incinerated in boiler.
 - II. Concentrating and utilising the spent wash in bio-composting with press mud shall not be allowed.

4. In case of units attached to CETP, they shall treat the effluent as per norms in Environment (Protection) Rules, 1986 or as prescribed by UPPCB.
5. All new/expansion projects of Common Effluent Treatment Plants in CPA/SPAs shall ensure recycling of treated effluent for use in the member units. The CETP alongwith its member units shall ensure adoption of suitable cleaner technologies for production and effluent treatment so as to optimally reduce water consumption, waste water generation and achieve stringent norms with an ultimate aim to achieve Zero Liquid Discharge. Time Target Action Plan for achieving Zero Liquid Discharge shall be submitted by project proponents.
6. Continuous monitoring of effluent quality/quantity in large and medium water Polluting Red Category Industries shall be ensured.
7. A detailed water harvesting plan may be submitted by the project proponent.
8. In case, domestic waste water generation is more than 10 KLD, the industry shall install STP and treat the domestic waste water as per norms mentioned at point-1 above.
9. Monitoring of groundwater quality shall be ensured in pre- and post-monsoon season in and around the industry / facility premises by laboratory approved by MoEF&CC Govt of India / NABL.
10. Valid permission/ NOC of CGWA shall be required to abstract ground water prior to issuance of CTO.

C. Mitigation measures to control Land pollution:

1. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
2. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.
3. Disposal of hazardous waste through authorized recyclers/TSDF/incinerators only.
4. The hazardous waste generated should be preferably utilized in co-processing, wherever feasible.
5. Dumping/disposal of waste (fly ash, slag, red mud, etc.) shall be allowed only at designated locations approved by UPPCB.
6. Environmentally sound management of Electronic Waste, Plastic Waste, Solid Waste, Biomedical Waste, Construction & Demolition Waste shall be ensured so that there is no adverse impact on environment.
7. More stringent conditions/norms shall be made applicable for management of hazardous waste on case to case basis



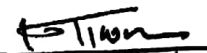
D. Other Conditions (Additional)

1. Monitoring of compliance of EC conditions shall be submitted with third party audit every year.
2. The percentage of the Corporate Environment Responsibility (CER) shall be at least 1.5 times the slabs given in the OM no. 22-65/2017-IA.III dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.

E. Mechanism Developed by CPCB

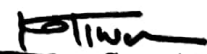
The mechanism developed by Central Pollution Control Board regarding stringent norms for new proposed/expansion in units in Critically and Severely polluted areas in the State of Uttar Pradesh in compliance of order passed by Hon'ble National Green Tribunal dated 14.11.2019 in OA no. 1038/2018 shall be applicable on projects in CPA/SPAs.

Note: The above standards and mitigation measures shall come into force on the date of the issuance of the Office Memorandum.


Member Secretary

Copy :- for information and necessary action please.

1. Secretary, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, 110003.
2. Principal Secretary, Environment, Forest & Climate Change, Govt. of U.P., Lucknow.
3. Principal Secretary, Infrastructure and Industrial Development, Govt. of U.P., Lucknow.
4. Member Secretary, Central Pollution Control Board, Delhi, Parivesh Bhawan, East Arjun Nagar, Delhi.
5. PS to Chairman, U.P. Pollution Control Board, Lucknow.
6. Managing Director, U. P. State Industrial Development Authority, Kanpur.
7. District Magistrate, Mathura, Kanpur, Moradabad, Varanasi, Mirzapur, Bulandshahar, Firozabad, Amroha, Agra, Ghaziabad, G.B. Nagar, Meerut, Aligarh and Sonbhadra.
8. Director, Environment, Government of Uttar Pradesh, Lucknow.
9. Member Secretary, State Level Environment Impact Assessment Authority, Lucknow.
10. Regional Director, Zonal Office, Central Pollution Control Board, Lucknow.
11. All Chief Environmental Officer/Regional Officer/ U.P. Pollution Control Board.
12. Law Officer-1, U.P. Pollution Control Board, Lucknow.
13. Webmaster, U. P. Pollution Control Board, Lucknow.
14. Guard File.


Member Secretary

