



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ
"Parisara Bhavan", 1st to 5th Floor, # 49, Church Street, Bangalore - 560 001, Karnataka State, India

No. : KSPCB/717(Vol-6)/COC/2019/2020-21/915

Date : 29 JUN 2020

ADDENDUM - 6

Sub : Amendment to the Notification issued by the Board on Re-categorization of industry/organizations/activity as per the directions of CPCB – reg.

- Ref : 1. CPCB letter No.B-29012/ESS/(CPA)/2015-16 dated : 07.03.2016
2. B.O Notification No. KSPCB/717/COC/2016-17/1232 dated: 14.07.2016
3. Addendum No. KSPCB/717/COC/2017-18/3322 dated: 14.09.2017
4. Addendum 2 No. : KSPCB/717(Vol-6)/COC/2018/517 dated: 24.04.2018
5. Addendum 3 No.: KSPCB/717(Vol-6)/COC/2018/4784 dated: 17.12.2018
6. Addendum 4 No.: KSPCB/717(Vol-6)/COC/2018/6935 dated: 30.03.2019
7. Recommendations of the Committee towards proposals received from Regional Offices in the meeting dated 10.12.2019
8. Addendum 5 No. : KSPCB/717(Vol.6)/COC/2019/5111 dated 21.12.2019

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The Central Pollution Control Board had issued directions under Section 18(1)(b) of the Water Act, 1974 and the Air Act, 1981 vide reference (1) for re-categorization of industrial sectors into Red, Orange, Green and White categories.

Accordingly, Board has notified the re-categorization of industries/organizations/ activities into Red, Orange, Green and White categories vide reference (2) and subsequent addendums were issued based on the requirement and recommendation by Regional Officers vide reference (3) (4) (5)(6)(7)&(8).

Now, CPCB has issued a direction under section 18(1)(b) of Water (Prevention and Control of Pollution) Act, 1974 and Air(Prevention and Control of Pollution) Act, 1981 incorporating certain additional industrial sectors, after giving proper weightage, as per the procedure laid down by CPCB in its notification cited at ref (1) and non- industrial operations/ activities /processes and directed to adopt the categorisation finalized by CPCB for following sectors:

- Scrapping Centers (for End of life of Vehicles and other scraps such as plant and machineries, structural material, railway coaches and wagons etc.,)
- Used Cooking Oil(UCO) collection centers.
- Compresses/ Refined Bio- Gas Production from Biodegradable Wastes.
- Railway Stations.

The above activities are enclosed as **Addendum- 6**.

CPCB has also considered certain sectors under non-industrial operations which are listed as **Annexure II** to the said directions.

The copy of the CPCB direction and **Addendum- 6** is enclosed for ready reference.

You are hereby directed to follow the recategorisation and bring those activities under the ambit of pollution control Law and consent mechanism..

Deena K
Chairman 25/6/2020
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To:

1. Chief Environmental Officers
2. Senior Environmental Officers of Head Office and Zonal Offices
3. All the Regional Officers, Regional Office
4. All Environmental Officers of Head Office
5. Website

Handwritten notes: 29/5/2020, CM

Handwritten notes: CM/T/168, 30/5/2020

SPEED POST

F.No. E-29016/ROGW/IPC-VI/2020-21/35

April 30th, 2020

To

The Chairman
Karnataka State Pollution Control Board
Parisara Bhavan, 4th & 5th floors
Church Street, Bangalore - 560 00 CM

Handwritten notes: CEO/T/121, 4/6/20

SUB: DIRECTIONS UNDER SECTION 18(1)(b) OF THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974 and THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981 REGARDING HARMONIZATION OF CLASSIFICATION OF INDUSTRIAL SECTORS INTO RED, ORANGE, GREEN AND WHITE CATEGORY.

Handwritten note: CEO-1

WHEREAS, under Section 17 of the Water (Prevention & Control of Pollution) Act, 1974, and under Section 17 of the Air (Prevention & Control of Pollution) Act, 1981, one of the function of the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) is to plan a comprehensive programme for the prevention, control or abatement of pollution of streams, wells and air pollution in the States/ Union Territory and to secure the execution thereof; and

Handwritten note: CM

WHEREAS, under Section 16 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB), constituted under Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards and Pollution Control Committees and to provide technical assistance and guidance to SPCBs / PCCs; and

Handwritten notes: HSM/1010-2/16/2020

WHEREAS, CPCB has categorized 242 industrial sectors into red, orange, green & white category and directed all SPCBs/PCCs on 07.03.2016 for its adoption and implementation. The SPCBs/PCCs were also directed that addition of any new or left-over industrial sectors and their categorization which is not listed in the categorization done by CPCB, shall be done by a committee at the level of concerned SPCB/PCC, in accordance with the revised criteria and guidelines of CPCB; and

WHEREAS, carrying out the responsibility assigned to MoEF&CC/CPCB/SPCB, under, Steel Scrap Recycling Policy, notified by Ministry of Steel on 07.11.2019, a meeting was held under chairmanship of Joint Secretary (HSM Division) at MoEF&CC on 07.11.2019 for uniform categorization of scrapping activities as Red/Orange/Green/White Category. During the meeting it was decided that such uniform categorization of scrapping centres has to be developed by CPCB. The CPCB has categorized "Scrapping Centres (for End of Life of Vehicles and other scraps such as plant and machineries, structural material, railway coaches and wagons etc.)" under "Orange Category" of industries; and

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WHEREAS, a need was felt to categorize some industrial sectors on PAN-India level and to resolve anomalies in categorization, if any. Accordingly, CPCB through Office Order No. B-29012/IPC-VI/2019-20, dated 17.02.2020, constituted a Committee to deal with the matter related to categorization of industrial sectors under red/orange/green/white category; and

WHEREAS, the meetings of the Committee were held on 02.03.2020 at CPCB, Delhi and 15.04.2020 & 21.04.2020, through video conferencing. During the meeting, the categorization of Railway Stations, Compressed/Refined Bio-Gas Production from Bio-degradable Wastes and Used Cooking Oil (UCO) collection centers was finalized. The details regarding categorization are enclosed as Annexure-I. Further, based on the few representations, the Committee has also segregated the list of Non-Industrial Operations (Activities/ Facilities/ Infrastructure/ Services), which were covered under classification of industrial sectors in CPCB's document on categorization. The list of such Non-Industrial Operations is enclosed as Annexure-II.

NOW THEREFORE, in view of the above and exercising the powers conferred to Chairman, Central Pollution Control Board under Section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974, and 18(1)(b) of the Air (Prevention & Control of Pollution) Act, 1981, all the SPCBs/PCCs are directed to:

- i. Adopt the categorization finalized by CPCB for following sectors:
 - a. Scrapping Centres (for End of Life of Vehicles and other scraps such as plant and machineries, structural material, railway coaches and wagons etc.).
 - b. Used Cooking Oil (UCO) collection centers.
 - c. Compressed/Refined Bio-Gas Production from Bio-degradable Wastes.
 - d. Railway Stations.
- ii. Consider the sectors given at Annexure-II under Non-Industrial Operations (Activities/ Facilities/ Infrastructure/ Services).

The SPCBs/PCCs shall acknowledge the receipt of directions and submit the action taken report (ATR) in compliance of these directions to CPCB within 15 days from the receipt of directions.


(Ravi S. Prasad)
Chairman



Annexure-II

List of Non-industrial Operations (Activities/Facilities/Infrastructure/Services)*

| Covered under Red Category of Industries Earlier | | | | |
|--|-------------------------------|--|-----------------|---|
| SL. No | SL.NO. (AS PER CPCB DOCUMENT) | INDUSTRY SECTOR | POLLUTION INDEX | REMARKS |
| 1 | 23 | Airports and Commercial Air Strips | 75 | <ul style="list-style-type: none"> i. The Airports are generating mainly the wastewaters ii. This is the water pollution normalized score for airports having discharge more than 100 KLD iii. The airports/strips having discharge less than 100 KLD will have score of 50 and hence orange category iv. If the score is normalized wrt water +HW both then all the airports will come under Orange Category(score-58.33) |
| 2 | 30 | Health-care Establishment(as defined in BMW Rules) | 75 | <ul style="list-style-type: none"> i. Mainly water polluting ii. The water pollution score is normalized to 100 & valid for Hospitals having total wastewater generation >100 KLD iii. The hospitals with incinerator will be categorized as Red irrespective of the quantity of the wastewater generation iv. The hospitals having total wastewater generation less than 100 KLD and without incinerator, the normalized water pollution score will be 50 and will be categorized as Orange Category |
| 3 | 31 | Hotels having overall wastewater generation @ 100 KLD and more | 75 | <ul style="list-style-type: none"> i. Mainly water polluting. Small boiler may be installed. ii. The water pollution score is normalized to 100 & valid for Hotels having wastewater generation > 100 KLD iii. The hotels having more than 20 rooms and wastewater generation less than 100 KLD and having a coal/ oil fired boiler, the pollution score will be 35/40 & are categorized as orange iv. The Hotels having more than 20 rooms and wastewater generation less than 10 KLD and having no boiler and no hazardous waste generation, the pollution score will be 20 & are categorized as Green |
| 4 | 39 | Railway locomotive work shop/Integrated road transport workshop/Authorized service centres | 75 | <ul style="list-style-type: none"> i. Mainly water polluting industry. Water is used in the washing of locomotives, road transport vehicles during servicing. ii. This score is valid for those Centers having discharge more than 100 KLD |

| | | | | |
|---|----|---|----|--|
| | | | | iii. Service Centers having wastewater generation < 100 KLD, the normalized score will be = $(100*20)/40=50$ |
| 5 | 46 | Ports and harbour, jetties and dredging operations | 85 | This category contain all sorts of pollution |
| 6 | - | Common Treatment and disposal facilities (CETP, TSDF, CBMWTF, effluent conveyance project, incinerator, MSW sanitary landfill site) | - | i. All such facilities are classified as Red but special category projects as these are parts of pollution control facilities. ii. In case of CETP, the categorisation will depend upon the category of member industries being served. |
| | | Note: Solvent/acid recovery plant and e waste recycling are considered as industrial operation | | |

List of Sectors Covered under Orange Category of industries Earlier

| SL. No | SL.No. (AS PER CPCB DOCUMENT) | INDUSTRY SECTOR | POLLUTION INDEX | REMARKS |
|--------|-------------------------------|---|-----------------|---|
| 1 | 18 | Automobile servicing, repairing and painting (excluding only fuel dispensing) | 50 | Normal water & air polluting and recyclable waste oil generating. If the waste water generation is more than 100 KLD, it will become mainly water polluting and Red category unit. |
| 2 | 21 | Building and construction project more than 20,000 sq.m built up area | 50 | i. In the pre-construction stage, it is mainly air polluting due to generation of dust(PM) emissions. ii. After construction, it is mainly water polluting. If the discharge is more than 100 KLD, it will be having the normalized score of 75 and be categorized as Red. |
| 3 | 38 | Hotels(<3 star) or hotels having >20 rooms and less than 100 rooms | 50 | Mainly water polluting. WP score is normalized to 100 |
| 4 | 46 | Mechanized laundry using oil fired boiler | 50 | Both air and water pollution are generated |
| 5 | 50 | New highway construction project | 50 | Mainly air polluting project |

List of Sectors Covered Under Green Category of Industries

| SL. NO | SL.NO. (AS PER CPCB DOCUMENT) | INDUSTRY SECTOR | POLLUTION INDEX | REMARKS |
|--------|-------------------------------|---|-----------------|--|
| 1 | 19 | Facility of handling, storage and transportation of food grains in bulk | 25 | Some fugitive emissions of PM during handling of grains |
| 2 | 52 | Hotels(upto 20 rooms and without boilers) | 30 | This score is valid for hotels having overall waste water generation less than 10 KLD |
| 3 | 58 | Fly ash export, transport & disposal facilities | 37.5 | i. This is mainly air polluting activity ii. This is the normalized score based on air pollution |
| 4 | 59 | Mineral stack yard/Railway sidings | 37.5 | Manly air pollution due to loading, unloading, storage and transportation of the minerals |
| 5 | 60 | Oil and gas transportation pipeline | 37.5 | i. Contains small gas based power plants upto 5 MWs ii. Air pollution score is normalized to 100 iii. In case, if these power plants are bigger/liquid fuel/oil based, scores will be calculated accordingly. |
| 6 | - | Diesel generator sets(15 KVA to 1 MVA) | - | i. Normal Operation-12 hrs a day ii. Consumption of diesel = 1680 litres for 1 MVA DG set at full load @ 0.21 litres/KVA/hr. iii. Stand alone DG sets having total capacity 1 MVA or less and equipped with acoustic enclosures alongwith adequate stack height may be exempted from the purview of Consent management. Higher capacity DG sets have already been covered under Red/Orange categories. |
| 7 | - | Automobile fuel outlets(only dispensing) | - | Minor air pollution due to some fugitive emissions during fuel filling operations. May be exempted from the purview of Consent Management. |

| | | | | | | | | | |
|--|--|----|---|----|----|---|----|----|----|
| <p>a. Collection, Depollution, Dismantling, centres and shredding centres</p> | <p>i. Process will generate wastewater from vehicle washing, surface washing, spillage while depolluting the vehicle</p> <p>ii. Emission of particulate matter</p> <p>iii. Residue generated during the process needs stabilization before disposal as it may contain asbestos</p> | 20 | - | 20 | 15 | - | 15 | 20 | 55 |
| <p>b. Collection, De-Pollution and Dismantling Centres</p> | <p>i. Process will generate wastewater from vehicle washing, surface washing, etc.,</p> <p>ii. Fugitive emission may be generated from dismantling and other activities</p> <p>iii. Residue generated during the process needs stabilization before disposal as it may contain asbestos.</p> | 20 | - | 20 | 10 | - | 10 | 20 | 50 |
| <p>c. Shredding Centres (can include white goods*/other scraps also)</p> | <p>i. Waste water may be generated from floor washing etc.,</p> <p>ii. Residue generated may be incinerated/landfilled</p> <p>iii. Emission of particulate matter.</p> | 15 | - | 15 | 15 | - | 15 | 45 | |
| <p>111</p> <p>Compressed/Refined Bio-Gas Production from Bio-degradable wastes</p> | <p>i. All digesters requiring discharge of excess wastewater to be treated in orange category</p> <p>ii. Domestic bio-digesters based on cow-dung or household biodegradable wastes (such as Gobar gas plant)- White category</p> <p>iii. No wastewater</p> | 30 | - | 30 | 10 | - | 10 | 50 | |

**LIST OF GREEN CATEGORY INDUSTRIES
PART-A**

| Sl. No. (As per the list notified by the Board on 14.07.2016) | Non-Industrial Operations(Activities/Facilities/Infras tructure/Service Sector) | Industry sector | W1 | W2 | W | A1 | A2 | A | H | W+A +H | Remarks |
|---|---|-----------------|----|----|----|----|----|---|---|--------|---|
| 119 | Railway stations(Waste water Generation <10 KLD) | New activity | 12 | 0 | 12 | 0 | 0 | 0 | 0 | 30 | i.On small railway stations, wastewater generation mainly from public taps and toilets. Scores are normalized ii. Small railway stations normally may not have boilers or any other prominent stationary air emission sources. |

**LIST OF WHITE CATEGORY INDUSTRIES
PART-A**

| Sl. No. (As per the list notified by the Board on 14.07.2016) | Industry Sector | Industry Sector | W1 | W2 | W | A1 | A2 | A | H | W+A +H | Remarks |
|---|--|-----------------|----|----|---|----|----|---|---|--------|---|
| 61 | Used cooking Oil(UCO) collection centres | New activity | - | - | - | - | - | - | - | 0 | i. Generally, there is no wastewater generation or air emissions from UCO collection centre ii. Concerned SPCB/PCC shall ensure the above. |