



KERALA STATE POLLUTION CONTROL BOARD

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

Pattom P.O., Thiruvananthapuram - 695 004

പട്ടം പി.ഒ., തിരുവനന്തപുരം - 695 004

PCB/T4/115/97(C)

Date: 25/08/2020

CIRCULAR

Sub: - Categorization of industries into Red/Orange/Green and White categories based on pollution potential which are not included in categorization list- reg.

- Ref: -
1. Circular no. PCB/T4/115/97(3) dated 31/08/2016
 2. Circular no. PCB/T4/115/97 dated 17/03/2017, 05/10/2017, 27/03/2018, 02/05/2018, 21/08/2018, 08/02/2019, 08/04/2019, 09/07/2019, 22/08/2019 & 30/08/2019.
 3. Circular no. PCB/HO/CIRCULAR/51/2019 dated 24/09/2019
 4. Circular no. PCB/T4/115/97 dated 03/10/2019, 29/11/2019 & 27/12/2019
 5. Circular no. PCB/T4/115/97 (A) dated 25/08/2020
 6. Circular no. PCB/T4/115/97 (B) dated 25/08/2020
 7. Minutes of the categorization committee meeting held on 26/05/2020.
 8. CPCB Office Order No. B-29016/ROGW/IPC-VI/2020-21 dated 30/04/2020.

The revised category list of industries under Red/Orange/Green/White categories as per the direction of Central Pollution Control Board was implemented vide circular read (1) above. 185 Nos. of industries which were not included in the categorization list under ref (1) were included vide circulars (2) to (6). As per reference read (8) above, several industrial sectors and non industrial operations (Activities/Facilities/ Infrastructures/Services) which were not included in the categorization list are categorized under Red/Orange/Green category by CPCB. A copy of the CPCB letter along with annexed list is enclosed herewith to be implemented in our state. Some other units were bought before the categorization committee meetings held on 26/05/2020. Accordingly recommendations of the committee were approved vide read (7). The list of newly included industries/ units is given below.

Sl.No	Item Categorized	Category
186	Rubwood seasoning Plant	Orange
187	Plate and Spoon Making using Areca leaf	White

The circular shall come into effect from the date of this circular.

Sd/-

CHAIRMAN

To

1. The Chief Environmental Engineer,
Regional Office, Trivandrum/Ernakulam/Kozhikode.
2. The Senior Environmental Engineer,
Regional Office, Ernakulam.
3. The Environmental Engineer, District Office,
Thiruvananthapuram, Kollam, Pathanamthitta, Alapuzha, Idukki, Kottayam,
Ernakulam-1, Ernakulam-2, ESC - Eloor, Thrissur, Palakkad, Malappuram,
Kozhikode, Kannur, Wayanad, Kasargod.

Copy to:-

- 1) All Technical Staff in HO
- 2) IT Cell (for uploading in the website)
- 3) C.A to CHN & MS

FORWARDED/BY ORDER

A handwritten signature in black ink, consisting of a stylized 'A' followed by a horizontal line extending to the right.

SENIOR ENVIRONMENTAL ENGINEER - 3



SPEED POST

April 30th, 2020

F.No. B-29016/ROGW/IPC-VI/2020-21/

To

The Chairman
All SPCBs/PCCs

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.

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

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

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

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

PK
H/S

Copy to:

- 1 The Joint Secretary (CP Division)
Ministry of Environment, Forests & Climate Change
Indira Paryavaran Bhawan
3rd Floor, Prithivi, Aliganj, Jor Bagh Road
New Delhi -110 003
- 2 All Regional Directors, CPCB
- 3 DH, IT

with a request to upload the
copy of Directions on CPCB
website

(Prashant Gargava)
Member Secretary

O/c

The list of newly categorized sectors by CPCB

S. No.	Entry a. S. No. of respective category in CPCB's classification	Industry Sector	W1	W2	W	A1	A2	A	H	Pollution Index (PI)	Category	Remarks
1	85	Scrapping Centres (for End of Life of Vehicles and other scraps such as plant and machineries, structural material, railway coaches and wagons etc.)									Orange	
		a. Collection, De-Pollution, Dismantling Centres and Shredding Centres	20	-	20	15	-	15	20	55	Orange	<ul style="list-style-type: none"> i. Process will generate waste water from vehicle washing, surface washing, spillage while depolluting the vehicle. ii. Emission of particulate matter. iii. Residue generated during the process needs stabilization before disposal as it may contain asbestos.
		b. Collection, De-Pollution and Dismantling Centres	20	-	20	10	-	10	20	50	Orange	<ul style="list-style-type: none"> i. Process will generate waste water from vehicle washing, surface washing, etc. ii. Fugitive emission may be generated from dismantling and other activities. iii. Residue generated during the process needs stabilization before disposal as it may contain asbestos.
		c. Shredding Centres (can include white goods*/other scraps also)	15	-	15	15	-	15	15	45	Orange	<ul style="list-style-type: none"> i. Waste water may be generated from floor washing, etc. ii. Residue generated may be incinerated/landfilled. iii. Emission of particulate matter.
<p>Note- * Recycling/dismantling of white goods are covered under E-Waste (Management & Handling) Rules, 2016, and have already been categorised in CPCB document "Classification of Industrial Sector" (Feb, 2016)</p>												

S. No.	Entry at S. No. of respective category in CPCB's classification	Industry Sector	W1	W2	W	A1	A2	A	H	Pollution Index (PI)	Category	Remarks
2	37	Used Cooking Oil (UCO) collection centers	-	-	-	-	-	-	-	00	White	<ul style="list-style-type: none"> i. Generally, there is no waste water generation or air emissions from UCO collection centers. ii. Concerned SPCB/PCC shall ensure the above.
3	86	Compressed/Refined Bio-Gas Production from Bio-degradable Wastes	30	-	30	10	-	10	10	50	Orange	<ul style="list-style-type: none"> i. All digesters requiring discharge of excess wastewater to be treated in orange category. ii. Domestic bio-digesters based on cow-dung or household biodegradable wastes (such as Gobargas plant) - White category. iii. No wastewater discharge from digester and also feed slurry to digester having Volatile Organic Fraction more than 75% to be considered as Green category; iv. Wastewater may be generated from wet processes for gas refining, cooling towers and cooling re-circulation processes. v. Odour generation from pretreatment of organic waste and composting. vi. Exhausted adsorption media/filters and spent solvents may also get generated.

S. No.	Entry at S. No. of respective category in CPCB's classification	Non-Industrial Operations (Activities/Facilities/Infrastructure/Service sector)	W1	W2	W	A1	A2	A	II	Pollution Index (PI)	Category	Remarks
1	Railway Stations											
	61	Railway Stations (Waste Water Generation \geq 100 KLD)	20	10	30	15	0	15	10	75	Red	<ul style="list-style-type: none"> i. Mainly water polluting, scores are normalized. Wastewater generating from public toilets, public-taps, platform and apron washing, coach cleaning, laundry, restaurants etc. ii. Air emissions may be generated from boilers, DG sets (>1MVA), railway sidings etc. iii. Small amount of hazardous waste such as used oil from DG sets, waste oil from coach cleaning, etc. may be generated
	84	Railway Stations (Waste Water Generation \geq 10 KLD, but < 100 KLD)	20	0	20	12	0	12	10	50	Orange	<ul style="list-style-type: none"> i. Mainly water polluting, scores are normalized. Waste water generating from various uses such as public toilets, public-taps, platform and apron washing, restaurants etc. ii. Air emissions may be generated from railway sidings, DG sets etc. iii. Small amount of hazardous waste such as used oil from DG sets etc. may be generated
	64	Railway Stations (Waste Water Generation < 10 KLD)	12	0	12	0	0	0	0	30	Green	<ul style="list-style-type: none"> i. On small railway stations, waste water 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 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 waste-water 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 waste-water 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 waste-water generation > 100 KLD. iii. The hotels having more than 20 rooms and waste-water 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 waste-water generation less than 10 KLD and having no-boiler & 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 centers	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 waste-water generation < 100 KLD, the normalized score will be $= (100 \times 20) / 40 = 50$.
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 land fill site)		<ul style="list-style-type: none"> i. All such facilities are classified as Red but special case projects as these are parts of pollution control facilities. ii. In case of CETP, the categorization will depend upon the category of member industries being served.

List of Sectors Covered Under Orange Category of Industries Earlier				
Sl. No.	Sl. No. (as per CPCB Document)	Industry Sector	Pollution Index	Remarks
		Note: Solvent/acid recovery plant and E-waste recycling are considered as industrial operation.		
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 (up to 20 rooms and without boilers)	30	This score is valid for hotels having overall waste-water generation less than 10 KLD.
3	58	Flyash 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	Mainly 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 up-to 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.