

**Government of India
Ministry of Railways
Railway Board**

No. 2018/EnHM/ 01/02/Vol.II

New Delhi, dated 02.06.2020

**The General Managers
All Zonal Railways**

**Sub: Guidelines for obtaining NOC from State Pollution control
Boards – Classification of Railway stations**

Ref: CPCB Letter No. B.29016/ROGW/IPC-VI/2020-21 dated 30.04.2020

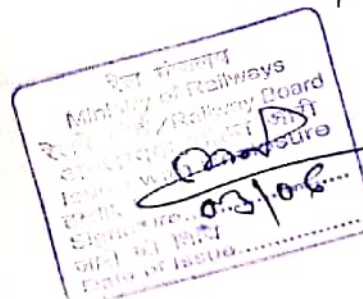
Consequent upon NGT directions to Railways to obtain consent under Water Act & Air Act, CPCB was requested to review their stand in view of the fact that Railway stations did not figure in the classified list of industries requiring permission to establish & operate.

CPCB has now issued a clarification which has classified Railway stations into three categories (Red, Orange and Green) based on the quantity of wastewater generation and disposal of untreated water into municipal drains. Railway stations with ≥ 100 KLD of Waste Water generation have been classified under Red category, with ≥ 10 KLD but ≤ 100 KLD under Orange category and with ≤ 10 KLD of Waste Water generation under Green category.

In view of above categorization, there is an imminent need to reduce the Waste water generation on Railway Stations. Zonal Railways should therefore identify quality of sewage and non-sewage waste water separately and plan waste water recycling plants accordingly. A copy of CPCB letter is enclosed for your information and further necessary action please.

DA/As above

Sheela
(Sheela Verma)
Director/EnHM
Railway Board



SPEED POST

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

April 30th, 2020

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

Copy to:

- 1 The Joint Secretary (CP Division)
Ministry of Environment, Forests & Climate Change
Indira Paryavaran Bhawan
3rd Floor, Prithvi, 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 at 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	i. Process will generate waste water from vehicle washing, surface dusting, spillage while loading/unloading, etc. ii. Emission of particulate matter iii. Residue generated from the process needs solidification before disposal and may contain asbestos
		b. Collection, De-Pollution and Dismantling Centres	20	-	20	10	-	10	20	30	Orange	i. Process will generate waste water from vehicle washing, surface dusting, etc. ii. Fugitive emission may be generated from dismantling and other activities iii. Residue generated from the process needs solidification before disposal and may contain asbestos
		c. Shredding Centres (can include white goods* other scraps also)	15	-	15	15	-	15	15	45	Orange	i. Waste water may be generated from floor washing etc. ii. Residue generated may be incinerated iii. Emission of particulate matter

Note: * Recycling/dismantling of white goods are covered under E-Waste (Management & Handling) Rules, 2016 and are covered under category 86 of CPCB's "Classification of Industrial Sector" (Feb. 2016)

S. No.	Entry at S. No. of respective category in CPCB's classification	Industry Sector							Pollution Index (PI)				Category	Remarks
		W1	W2	W	A1	A2	A							
2	Used Cooking Oil (UCO) collection centers	-	-	-	-	-	-	-	00	-	-	-	White	i. Generally, there is no waste water generation or air emissions from UCO collection centers. ii. Concerned SPCB/POC should ensure the above.
3	Compressed Refined Bio-Gas Production from Bio-degradable Wastes	30	-	30	10	-	10	10	50	-	-	-	Orange	i. All digesters requiring settings of excess pressure to be treated in orange category. ii. Domestic bio-digesters based on cow-dung or household biodegradable wastes (such as Garbage plant) - White category. iii. No wastewater discharge from digester and also farm slurry is fraction more than 70% 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.

Remarks

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	H	Pollution Index (PI)	Category	Remarks
1	Railway Stations	Railway Stations (Waste Water Generation ≥ 100 KLD)	20	10	30	15	0	15	10	75	Red	i. Mainly water pollution, sources are normalised. Waste water generated from public toilets, car-washings, platform and apron washing, steam cleaning, laundry, restaurants etc. ii. Air emissions may be generated from boilers, DG sets (> 100 A), 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.
2	Railway Stations	Railway Stations (Waste Water Generation ≥ 10 KLD, but < 100 KLD)	20	0	20	12	0	12	10	50	Orange	i. Mainly water pollution, sources are normalised. Wastewater generated from various uses such as public toilets, public-wash, platform and apron washing, restaurants etc. ii. Air emissions may be generated from railway's diesel DG sets etc. iii. Small amount of hazardous waste such as used oil from DG sets etc may be generated.
3	Railway Stations	Railway Stations (Waste Water Generation < 10 KLD)	12	0	12	6	0	6	0	30	Green	i. Mainly water pollution, sources are normalised. Wastewater generated from public toilets and wash. Sources are normalised. 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	i. The Airports are generating mainly the wastewater. 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 w.r.t 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	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	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	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)	-	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 categorization 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 (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 stock 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.