

**CATEGORIZATION OF INDUSTRIAL SECTORS UNDER ORANGE AS PER CPCB
CRITERIA**

CPCB Sl.No.	Orange Category
1.	Dismantling of rolling stocks (W agons / Coaches)
2.	Bakery and confectionery units with production capacity > 1 TPD. (With ovens / furnaces)
3.	Chanachur and laddoo from puffed and beaten rice(muri and shira) using husk fired oven
4.	Coated electrode manufacturing
5.	Compact disc computer floppy and cassette manufacturing / Reel manufacturing
6.	Flakes from rejected PET bottle
7.	Food and food processing including fruits and vegetable processing.
8.	Jute processing without dyeing
9.	Manufacturing of Silica gel
10.	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items
11.	Printing or etching of glass sheet using hydrofluoric acid
12.	Silk screen printing, sari printing by wooden blocks (with boiler)
13.	Synthetic Detergents and soaps (excluding formulation) having wastewater generation up to 100 KLD
14.	Thermometer manufacturing
15.	Cotton spinning and weaving (medium and large scale)
16.	Steel furniture, Almirah, Grill Manufacturing (Dry mechanical process) with spray painting
17.	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)
18.	Automobile servicing, repairing and painting (excluding fuel dispensing), where wastewater generation is less than 100 KLD.
19.	Ayurvedic and homeopathic medicine
20.	Brickfields (excluding fly ash brick manufacturing using lime process)

CPCB Sl.No.	Orange Category
21.	Building and construction project > 20,000 sq.m to < 1,50,000 Sqm of built up area. (Wastewater discharge upto 100 KLD) NB : Individual units located in industrial estate, parks, complex etc. need not take individual CTE from the Board. However, they are required to obtain individual CTO from the Board under this category. (O/o. 8909, dtd. 18.09.2020)
22.	Ceramics and Refractories (coal consumption less than 12 tons per day)
23.	Coal washeries
24.	Dairy and dairy products (small scale)
25.	DG set of capacity (≥ 1MVA but < 5MVA) [O/o. 8909, dtd. 18.09.2020]
26.	Dry coal processing, mineral processing, industries involving ore sintering, pelletisation, grinding, pulverization & sand screening unit (O/o 1543, dtd. 04.02.2023)
27.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) (Wastewater discharge up to 100 KLD)
28.	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making (Secondary Production up to 1 Ton / Hour excluding lead)
29.	Fertilizer (granulation / formulation / blending only)
30.	Fish feed, poultry feed and cattle fee
31.	Fish processing and packing (excluding chilling of fishes)
32.	Forging of ferrous and non- ferrous metals (using oil and gas fired furnaces)
33.	Formulation/pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders.
34.	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride etc.
35.	Gravure printing, digital printing on flex, vinyl
36.	Heat treatment using oil fired furnace (without cyaniding)
37.	Hot mix plants

CPCB Sl.No.	Orange Category
38.	Hotels (<3 star) or hotels having >20 rooms and less than 100 rooms. Hotels having more than 20 rooms and wastewater generation less than 100 KLD and having coal or oil fired boiler. (Hotels with more than 20 rooms with wastewater generation <10 KLD and without any boiler and no generation of hazardous waste will be under Green Category).
39.	Ice cream
40.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 – Items namely – Paint and ink Sludge/residues
41.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 – Items namely – Brass Dross , Copper Dross, Copper Oxide Mill Scale, Copper Reverts, Cake & Residues, Waste Copper and copper alloys in dispersible form, Slags from copper processing for further processing or refining , Insulated Copper Wire, Scrap/copper with PVC sheathing including ISRI-code material namely “Druid” ,, Jelly filled Copper cables , Zinc Dross-Hot dip Galvanizers SLAB, Zinc Dross-Bottom Dross,, Zinc ash/Skimming arising from galvanizing and Die casting operations, Zinc ash/Skimming/other zinc bearing wastes arising from smelting and refining, Zinc ash and residues including zinc alloy residues in dispersible from.
42.	Industry or processes involving foundry operations. (less than 5 T/hour and coal consumption less than 500 kg/hr)
43.	Lime manufacturing (using lime kiln)
44.	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing
45.	Manufacturing of glass
46.	Manufacturing of iodized salt from crude/ raw salt
47.	Manufacturing of mirror from sheet glass
48.	Manufacturing of mosquito repellent coil
49.	Manufacturing of Starch/Sago
50.	Mechanized laundry using oil fired boiler

CPCB Sl.No.	Orange Category
51.	Modular wooden furniture from particle board, MDF<swan timber etc. Ceiling tiles / partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (with boiler)
52.	New highway construction project
53.	Non-alcoholic beverages (soft drink) & bottling of alcohol / non-alcoholic products, where wastewater generation is less than 100 KLD
54.	Paint blending and mixing (Ball mill)
55.	Paints and varnishes (mixing and blending)
56.	Ply-board manufacturing (including Veener and Laminate) with oil fired boiler / thermic fluid heater (without resin plants)
57.	Potable alcohol (IMFL) by blending, bottling of alcohol products
58.	Printing ink manufacturing
59.	Printing press
60.	Reprocessing of waste plastic including PVC
61.	Rolling mill (Oil or Coal Fired) and Cold Rolling Mill
62.	Spray painting, paint baking, paint shipping
63.	Steel and steel products using various furnaces like blast furnace / open hearth furnace / induction furnace / arc furnace / submerged arc furnace / basic oxygen furnace / hot rolling reheated furnace.
64.	Stone crushers
65.	Surgical and medical products including prophylactics and latex.
66.	Teflon based products
67.	Thermocol manufacturing (with boiler)
68.	Tobacco products including cigarettes and tobacco / opium processes.
69.	Transformer repairing / manufacturing (dry process only)
70.	Tyres and tubes vulcanization/ hot retreating
71.	Vegetable oil manufacturing including solvent extraction and refinery / hydrogenated oils, where wastewater generation is upto 100 KLD
72.	Wire drawing, Wire Netting and Wire Nail (O/o 1543, dtd. 04.02.2023)
73.	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale
74.	Pharmaceutical formulation for R&D purpose.(for sustained release / extended release of drugs only and not for commercial purpose)
75.	Synthetic resins
76.	Synthetic rubber excluding molding
77.	Cashew nut processing
78.	Coffee seed processing

CPCB Sl.No.	Orange Category	
79.	Parboiled Rice Mills, where wastewater generation is up to 100 KLD and/or Fuel consumption less than 12 T/Day.	
80.	Foam manufacturing	
81.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 – Items namely – Used Oil – As per specifications prescribed from time to time.	
82.	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016- Items namely – Waste Oil – As per specifications prescribed from time to time.	
83.	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refractories for dedicated fuel supply)	
84.	Railway Stations (Wastewater generation \geq 10 KLD but <100 KLD) (O/o. 8909, dtd. 18.09.2020)	
85.	Scrapping Centers (for end of life vehicles and other scraps such as plant and machineries, structural material, railway coaches and wagons etc.), i) Collection, De-pollution, dismantling centers and shredding centers. (O/o. 8909, dtd. 18.09.2020)	
86.	Amended “Compressed / refined Bio-Gas production from Bio-degradable Wastes” to “Compressed Bio-Gas (CBG) / Bio - CNG Plants” (O/o 12678 dtd. 9.08.2023)	
	a) CBG Plants based on Municipal Solid Waste (MSW)	Waste contains heterogeneous material. Anaerobic biodegradation of the same may generate waste water containing high BOD & COD. Discharge of wastewater up to 100 KLD.
	b) CBG Plants based on process waste (Industrial / process liquid effluent and solid waste like press mud, organic sludge, molasses, etc.)	Anaerobic biodegradation may generate wastewater containing high BOD and COD. Discharge of wastewater up to 100 KLD.
	c) CBG plants based on Crop residue (paddy straw / wheat straw/ corn sweet sorghum / napier grass etc.)	Discharge of wastewater is more than 100 KLD & Pollution Index (PI) is 50.
	d) CBG plants based on animal waste (dairy farms, poultry farms, and other animal waste)	Discharge of wastewater is more than 100 KLD & Pollution Index (PI) is 50

CPCB Sl.No.	Orange Category	
87.	<u>Dairy Farm (standalone or isolated dairy farm, having 15 animals and above, dairy farm in colonies / cluster) shall obtain CTE/ CTO under Orange category. (O/o.3999, dtd. 17.03.2021)</u>	
88.	<u>Building and construction projects having built up area up to 20,000m² and wastewater generation \geq50 KLD. (O/o.6606, dtd, 26.04.2021)</u>	
89.	<u>Construction and demolition (C & D) waste processing plants. (O/o.6606, dtd, 26.04.2021)</u>	
90.	<u>Gold Assaying & Hallmarking Centres. (O/o.6606, dtd, 26.04.2021)</u>	
91.	Tyre Pyrolysis oil (TPO) (O/o 2672 dtd. 28.02.2024)	
	Industrial Sector	Remarks
	Tyre pyrolysis oil (TPO) industries applicable for advance batch automated process/continuous TPO units	Unit shall require to follow Standard Operating Procedure (SOP) issued by CPCB/MoEF & CC for production of pyrolysis oil from waste water.
92.	Others (State Specific List)	

Semi-Conductor manufacturing industries	
Industrial Sector	
i) Semiconductor Assembly, Testing, Marketing and packaging facility (ATMP) (O/o 2672 dtd. 28.02.2024)	
Sand/River bed material mining from river bed and its floodplains (excluding manual Excavation) Non-industrial Operation	
ii) Standalone mining lease area up to 5 hectares (not a part of any cluster mining)	i) Sand /river bed material mining from riverbed and its flood plains may cause ecological disturbances, erosion of riverbed, change in hydro-geological condition and river eco system. ii) Cluster mining means that the distance of mining lease area is less than 500m from periphery of another lease area. iii) This categorization is made considering the ecological damages and not based on pollution potential/index.

State Specific List	
Sl.No.	Orange Category
SSL (1)	Chilling plant and ice plant using Ammonia
SSL (2)	Coal Briquetting
SSL (3)	Dumping of Ash/ Char /Slag / Other Non-hazardous industrial waste outside the factory premises (including mine void / or low lying area filling)
SSL (4)	Fish landing centre
SSL (5)	Health-care Establishment (as defined in BMW Rules, 2016) having total wastewater generation <100 KLD and having \geq 30 beds (without incinerator). (Revised vide O/o. No. 8331 dtd. 17.08.2019)
SSL (6)	Incineration plants
SSL (7)	Manufacturing of Pasted veneers (using gas fired boiler or thermic fluid heater by sun drying) (Coal fired boiler only)
SSL (8)	Manufacturing of glass (excluding lead glass)
SSL (9)	Ship building
SSL (10)	Sports goods
SSL (11)	Standalone composting facility having capacity more than 5 ton per day (without shed)
SSL (12)	Wasting of used sand by hydraulic discharge
SSL (13)	Manufacturing of coir mattress using latex supported with facility of foam making and boiler. (as per O/o. No. 2517, dtd. 12.03.2019)
SSL (14)	Storage of phospo Gypsum (Irrespective of size of storage facility) (as per O/o. No. 2517, dtd. 12.03.2019)
SSL (15)	Manufacturing of Bio-Diesel having waste water generation upto 100 KLD (O/o 1543, dtd. 04.02.2023)
SSL (16)	Rubber goods industry (using fuel other than gas and electricity operated boilers) (O/o 1543, dtd. 04.02.2023)
SSL (17)	Engineering and fabrication units (with heat treatment/metal surface finishing operations/painting (O/o 1543, dtd. 04.02.2023)

(O/o 2704 dtd. 29.02.2024)

Waste water generation upto KLD AND BUILT UP AREA	Category
Waste water upto 100 KLD and Built up area >20,000, - 1,50,000 m ²	Orange (21)
Waste water < 50 KLD and Built up Area >1,50,000 m ²	Orange (SSL-18)
Waste water ≥ 50 KLD and Built up Area ≤ 20,000	Orange -88

