

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701
Fax: 24024068 / 24023515
Website: <http://mpcb.gov.in>
E-mail: ast@mpcb.gov.in



Kalpataru Point, 2nd - 4th Floor
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai-400 022.

No. BO/AS(T)/CAC/B- 3879

Date: 13/06/2012

To,

Regional Officer, MPC Board :

Mumbai/ Navi-Mumbai/ Thane/ Kalyan/ Raigad/ Kolhapur/ Pune/
Aurangabad/ Nashik/ Nagpur/ Amravati/ Chandrapur

**Sub: Directions u/s 18(1)(b) of Water (P & CP) Act, 1974 regarding
Classification of industries into Red, Green and Orange Category.**

Ref: CPCB letter vide no. B-29012/1/2012/ESS/1540 dtd. 4.06.2012

With reference to above subject, CPCB has issued directions u/s. 18(1)(b) of Water (P & CP) Act, 1974 regarding classification of industries into Red, Green and Orange category, wherein directed to comply following;

- To maintain uniformity in categorization of industries as Red, Green and Orange, the SPCB shall adopt the list as given at Table 7.3, 7.4 & 7.5 in the enclosed report, for grant of consent, inventorization of industries in red, green and orange category and other related activities.
- SPCB shall revise the list of Red, Green and Orange category of industries available with them based on the criteria specified in the enclosed report in their State and submit the same to to CPCB.

In view of above, you are directed to submit the list of industries/ information to comply the point (b) above by 05 July, 2012 to this office.

Please treat this as IMPORTANT & URGENT.

(Milind Mhaiskar)
Member Secretary

Copy Submitted to:

Chairman, M.P.C.Board, Mumbai-for information

Copy to:

SLO/ CAO/AST/JD(WPC)/ JD(APC)/ JD(PAMS)/ RO(HQ)/PSO, MPCB, Mumbai.
-for Information and necessary action



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)
(MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)

F.No.B-29012/1/2012/ESS

1540

June 04, 2012

To,

The Chairman,
Maharashtra State Pollution Control Board
Kalpataru Point, 3rd & 4th Floor Sion Matunga Scheme,
Road No. 8 Opp. Cine Planet Cinema Near Sion Circle,
Sion (East) Mumbai - 400022, Maharashtra



Sub: Directions under Section 18(1)(b) of Water (Prevention and Control of Pollution) Act, 1974, regarding Classification of Industries into Red/Orange & Green Category

Whereas, amongst others, under Section 16 (b) of the Water Act 1974, one of the functions of the Central Board is to co-ordinate the activities of the State Boards

Whereas, under Section 16(c) of the Water Act 1974, one of the functions of the Central Board is to provide technical assistance to the State Board

Whereas, it has been brought into notice of the Central Board, that the SPCBs/PCCs are following different criteria for classification of industries into red, green & orange category. This classification is being used by the SPCBs/PCCs for issuance of Consents to industries and inventorization of industries

Recd by 18/6/12

Whereas, the issue regarding classification of industries was deliberated upon in the 56th Conference of Chairmen & Member Secretaries held on August 31, 2010 and a Working Group comprising of representatives from SPCBs & CPCB was constituted to prepare a consolidated list of industries falling under the Red, Green & Orange category to bring uniformity in classification of industries across the country.

For immediate necessary action pl.

Whereas, the report prepared by the Working group was discussed in the 57th Conference of Chairmen & Member Secretaries of SPCBs/PCCs held in Delhi on 15.09.2011, where in some modifications were proposed.

Whereas, the final Report of the Working Group has been prepared, envisaging the suggestions/observations made in the 57th Conference of Chairmen/ Member Secretaries of SPCBs/PCCs

Now, therefore, in exercise of the powers delegated to the Chairman, Central Board, under Section 18(1)(b) of the Water Act, 1974, the following Directions are issued for compliance:

18/6/11

M.S

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

'Parivesh Bhawan', East Arjun Nagar, Delhi - 110032

दूरभाष/Tel. : 43102030, फ़ैक्स/Fax : 22305793, 22307078, 22307079, 22301932, 22304948

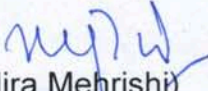
ई-मेल/e-mail : cpcb@nic.in वेबसाइट/Website : www.cpcb.nic.in

3D(PAMU)
AST may not see
20/6/12

urgent
FOCSS
20/6/12

- (a) To maintain uniformity in categorization of industries as red, green and orange, the SPCBs/PCCs shall adopt the list as given at Table 7.3, 7.4 & 7.5 in the enclosed report, for grant of Consent, inventorization of industries in red, green & orange category and other related activities
- (b) The SPCBs/PCCs shall revise the list of red, green and orange category of industries available with them based on the criteria specified in the enclosed report in their State/UT and submit the same to CPCB within 90 days of receipt of this letter. A hard copy as well as soft copy of the same shall be submitted

The report on action taken for compliance of the Directions shall be submitted to CPCB within one month of the receipt of these Directions


(Mira Mehrishi)
Chairperson

- As suggested during the 57th Conference of Chairmen & Member Secretaries, List of 17 Red Category & Other Red category industries are merged and list of Green category and Orange category of industries are modified considering pollution potential of the industrial activities.

THE FINAL LIST OF RED, GREEN AND ORANGE CATEGORY IS GIVEN IN TABLE 7.3, 7.4 & 7.5 RESPECTIVELY.

Table 7.3 : List of Red category of industries

Sl No.	List of RED category Industry
1.	Airports, and Commercial Air Strips
2. ✓	Aluminium smelter
3.	Asbestos and asbestos based industries
4.	Automobiles Manufacturing (Integrated facilities)
5.	Basic Chemicals and electro chemicals and its derivatives including manufacture of acids
6.	Ceramic , Refractories
7. ✓	Cement
8. ✓	Chlor Alkali
9.	Chlorates, perchlorates and peroxides
10.	Chlorine, fluorine, bromine, iodine, and their compounds
11.	Coal Washeries
12. ✓	Copper smelter
13.	Coke making , liquefaction, coal tar distillation or fuel gas making
14.	Common Treatment and disposal facilities (CETP, TSDF, E-Waste recycling, CBMWTF, Effluent conveyance project, incinerators, Solvent/Acid recovery plant, MSW sanitary landfill sites, STP)
15. ✓	Distillery including Fermentation industry
16. ✓	Dyes and Dye-Intermediates
17.	Dry coal processing/ mineral processing, industries involving ore sintering, palletisation, grinding ,pulvarization
18.	Emulsion of oil & water
19.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (ENA)
20.	Fertilizer (basic) (excluding formulation)
21.	Ferrous and Non ferrous metal extraction involving different furnaces through melting ,refining, reprocessing,casting and alloy making
22.	Fibre glass production and processing (Excluding moulding)
23.	Fire crackers manufacturing and bulk storage facilities
24.	Flakes from rejected PET bottle
25.	Fly ash export , transport and disposal facilities

26.	Health care establishment (As defined in BMW Rules)
27.	Heavy engineering including Ship Building (With investment on Plant & Machineries more than ₹ 10 Crores)
28.	Hot mix plants
29.	Hotels (3 Star & above) and Hotels having 100 rooms and above
30.	Hydrocyanic acid and its derivatives
31.	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black
32.	Industrial estates/ parks/ complexes/ areas/ export processing zones/ SEZs/ Biotech parks/ leather complex
33.	Industrial inorganic gases namely:- a) Chemical gases: Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine b) Hydrocarbon gases: Methane, ethane, propane
34.	Industries engaged in recycling /reprocessing/recovery /reuse of Hazardous Waste under schedule IV of Hazardous Waste (M, H&TBM) Rules, 2008 and its amendments
35.	Industry or process involving foundry operations
36.	Industry or process involving metal surface treatment or process such as pickling/ plating/electroplating/ paint stripping/ heat treatment/ phosphating or finishing and anodising/ enamelling/ galvanising
37.	Iron and Steel (involving processing from ore/ integrated steel plants and or Sponge Iron Units)
38.	Isolated storage of hazardous chemicals (as per schedule of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended)
39.	Lead acid battery manufacturing(excluding assembling & charging of acid lead battery in micro scale[< ₹ 25 lakhs])
40.	Lime manufacturing (Using Lime Kiln)
41.	Manufacturing of Explosives, detonators, fuses including management and handling activities,
42.	Manufacturing of Glass
43.	Manufacturing of Glue and gelatin
44.	Manufacturing of Lubricating oils, greases or petroleum based products
45.	Manufacturing of Paints, Varnishes, pigments and intermediate (excluding blending/ mixing)
46.	Manufacturing of Starch/Saggo
47.	Milk processing and dairy products (integrated project)
48.	Mineral stack yards/ Railway sidings
49.	Mining and ore beneficiation
50.	New Highway construction projects
51.	Non alcoholic beverage (soft drink) & bottling of alcoholic/non-alcoholic products (capital investment on plant & machinery > ₹ 1 crore)
52.	Nuclear Power Plants

53.	Oil & Gas extraction including CBM (offshore & onshore extraction through drilling wells)
54.	Oil and gas transportation pipeline
55.	Oil Refinery (Mineral Oil or Petro Refineries)
56.	Organic chemicals manufacturing
57.	Parboiled rice mills (more than 10 TPD)
✓58.	Pesticides (Technical) (excluding formulation)
✓59.	Petrochemicals (Manufacture of and not merely use of as raw material)
✓60.	Pharmaceuticals (excluding formulation).
✓61.	Pulp and Paper (paper manufacturing with or without pulping)
62.	Phosphate rock processing plant
63.	Phosphorous and its compounds
64.	Photographic films and its chemicals
65.	Ports & Harbours, Jetties and Dredging Operations
66.	Power Generation Plants [Except Wind, Solar and Mini Hydel Power plants of capacity <25 MW) and DG set of capacity > 5 MVA]
67.	Processes involving chlorinated hydrocarbons
68.	Railway Locomotive workshops / Integrated Road transport workshop/ Authorised service centres
69.	Reprocessing of used oils and waste oils
70.	Ship breaking activities
71.	Slaughter houses (As per the notification S.O.270(E) dated 26.03.2001) and meat processing industries, bone mill, processing of animal horns,hoofs and other body parts
72.	Steel and steel products using various furnaces like blast furnaces/ open hearth furnace/ induction furnace/ arc furnace/ submerged arc furnace /basic oxygen furnace /hot rolling using reheating furnace
73.	Stone crushers
74.	Sugar (excluding Khandsari)
75.	Surgical and medical products involving prophylactics and latex
76.	Synthetic detergents and soaps (excluding formulation)
77.	Synthetic fibres including rayon, tyre cord, polyster filament yarn
78.	Synthetic resins
79.	Synthetic rubber excluding molding
80.	Tanneries
81.	Thermal Power Plants
82.	Tobacco products including cigarettes and tobacco/ opium processing
83.	Vegetable oils including solvent extraction and refinery/ hydrogenated oils
84.	Yarn/ textile processing involving any effluent/ emission- generating process ,bleaching, dyeing, printing and scouring

85. Zinc Smelter

Note: 1. Any industry/industrial activity which is not covered in above list having coal fired boiler with steam generation capacity more than 5 T/hr will be covered under Red Category.

Table 7.4: List of Green category units

SL No.	List of Green Category Industry
1	Assembling of Acid lead battery (up to 10 batteries per day excluding lead plate casting)
2	Aluminium utensils from aluminium circles
3	Assembly of air coolers/conditioners, repairing and servicing
4	Assembly of bicycles, baby carriage and other small non-motorised vehicles
5	Automobile fuel outlet (only dispensing)
6	Ayurvedic and Homeopathic medicine (without boiler)
7	Bailing (hydraulic press) of waste papers
8	Bakery/Confectionery/Sweets production (with production capacity < 1tpd with oil, gas or electrical oven)
9	Bio fertilizer & bio-pesticide without using inorganic chemicals
10	Biomass Briquettes (sun drying) without using toxic or hazardous wastes
11	Biscuit trays etc. from rolled PVC sheet (using automatic vacuum forming machine)
12	Blending and packaging of Tea
13	Blending of melamine resins & different powder, additives by physical mixing
14	Block making for printing without foundry (excluding wooden block making)
15	Brass & Bell metal utensils manufacturing from circle (without re-Rolling facility)
16	Candy
17	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boiler)
18	Carpentry and wooden furniture manufacturing (excluding saw mill) with the help of electrical (motorized) machines such as electric wood planner, steel saw cutting circular blade etc.
19	Cement products (without using Asbestos) like pipe, pillar, jafri, well ring, blocks/tiles etc. (should be done under closed covered shed to control fugitive emissions)
20	Ceramic colour manufacturing (not using boiler and wastewater recycling process)
21	Chalk making from plaster of paris.
22	Chilling plant and Ice making without use of ammonia
23	Coated electrode manufacturing
24	Compact disc, computer floppy & cassette manufacturing
25	Compressed oxygen gas from crude liquid oxygen
26	CO2 recovery

27	Cotton and woolen hosiery making (SSI & Cottage industries)
28	Cotton spinning & weaving (small scale)
29	Decoration of ceramic cups & plates by electric furnace
30	Diesel Generator sets (15 KVA to 1 MVA)
31	Diesel pump repairing & servicing
32	Distilled water
33	Electric lamp (bulb) manufacturing (small scale)
34	Electrical & electronic items assembling
35	Flavoured bettle nut production/grinding.
36	Flour mills (dry process)
37	Fly ash bricks/blocks manufacturing
38	Fountain pen manufacturing
39	Glass ampules & vials making from glass tubes.
40	Glass putty and sealant
41	Glass, ceramic, earthen potteries and tile manufacturing using electrical kiln or not involving fossil fuel kilns
42	Gold and Silver smithy (purification with acid, smelting operation and sulfuric acid polishing operation) (using less than or equal to 1 litre of Sulphuric Acid / Nitric Acid per month)
43	Groundnut decorticating (dry)
44	Handloom/ Carpet weaving (without dyeing and bleaching operation)
45	Hotels(up to 20 rooms)
46	Insulation and other coated papers (excluding paper or pulp manufacturing) manufacturing
47	Jobbing and machining
48	Leather cutting and stitching (more than 10 machines and using motor)
49	Leather footwear and leather products (excluding tanning and hide processing) (except cottage scale)
50	Lubricating oils, greases or petroleum based products (only blending at normal temperature)
51	Manufacturing of coir items from coconut husk
52	Manufacturing of metal caps,containers etc.
53	Manufacturing of optical lenses (using electrical furnace)
54	Manufacturing of pasted veneers without using boiler or Thermic Fluid Heater or by sundrying
55	Manufacturing of shoe brush & wire brush
56	Manufacturing of silica gel (without furnace)
57	Medical oxygen
58	Mineralized water
59	Oil mill ghani & extraction (no hydrogenation/refining)
60	Organic and inorganic nutrients (by physical mixing)
61	Organic manure (manual mixing).
62	Paints and varnishes (mixing and blending) (without ball mill)
63	Packing of powdered milk

64	Paper pins and U-clips
65	Phenyl/ Toilet cleaner formulation & Bottling
66	Reel manufacturing
67	Polythene & plastic processed products manufacturing (virgin plastics)
68	<u>Poultry, hatchery, Piggery</u>
69	Power looms (without dyeing and bleaching)
70	Printing press
71	Puffed rice (muri) (using oil, gas or electrical heating system)
72	Ready mix cement concrete
73	Reprocessing of waste cotton
74	Rope (Cotton & Plastic)
75	Rubber goods industry (with baby boiler only)
76	Scientific and mathematical instruments manufacturing
77	Soap manufacturing (Handmade without steam boiling)
78	Solar module (Non conventional energy apparatus) manufacturing unit
79	Solar power generation through solar photovoltaic cell, wind power & mini hydel power (< 25 MW)
80	Spice grinding (< 20 HP motor)
81	Steel furniture without spray painting
82	Steeping and processing of grains
83	Surgical and medical products not involving effluent/emission generating processes
84	Synthetic detergent formulation
85	Teflon based products
86	Tyres and tubes retreading (without boiler)

Note: Items shown in colored underline is new inclusion/modification.

- An indicative list of Orange category of industries are prepared considering the Industrial activities which are not included under the List of Red category and Green category of industries in Annexure-I.
- The industry which do not fall in any of the above mentioned three categories (i.e RED/ORANGE/GREEN), decision with regard to their categorization will be taken by a committee constituted by respective SPCBs/PCCs.
- In case of reduction of pollution load due to adoption of cleaner technology or change in production process by any industry decision on re-categorisation of such activity will be taken by a Committee constituted by respective SPCBs/PCCs.
- Industrial siting policy for setting up of industries may be decided by the respective SPCBs in consultation with the concerned State Governments.
- Grossly water polluting industries having BOD load 100 Kg/day or more before treatment may be monitored four times in a year. Considering the changed scenario of water availability and exhausted carrying capacity of most of the rivers and lakes in the country, some more industries having BOD load more than 50 Kg/day but less than 100 Kg/day (before treatment) may be brought under the purview of Grossly polluting industries. However these industries may be monitored twice in a year.

TABLE - 7.5

TABLE 7.5

List of Orange category units

Sl No.	List of Industries
1	Almirah , Grill Manufacturing
2	Aluminium and copper extraction from scrap using oil fired furnace
3	Automobile servicing, repairing and painting (excluding only fuel dispensing)
4	Ayurvedic and Homeopathic medicine
5	Bakery & confectionery units with production capacity > 1 tpd]
6	Biaxially oriented PP film alongwith metalising operation
7	Brickfields (excluding fly ash brick manufacturing using lime process)
8	Building & construction projects more than 20,000 Sq mtr built up area
9	Cashew nut processing
10	Chanachur and ladoo from puffed and beaten rice(muri and chira)using husk fired oven
11	Chilling plant, cold storage and Ice making
12	Coffee seed processing
13	Coke briquetting (sun drying)
14	Cotton spinning and weaving (medium and large scale)
15	Cutting, sizing and polishing of marble stones
16	Dairy and dairy products (small scale) (capital investment on plant & machinery < ₹ 1 crore)
17	Dal Mills
18	DG Set of capacity >1 MVA but < 5 MVA)
19	Digital printing on PVC cloth
20	Dismantling of rolling stocks(wagons/coaches)
21	Dry cell battery (excluding manufacturing of electrodes) & assembling & charging of acid lead battery in micro scale[< ₹ 25 lakhs]
22	Emery powder(fine dust of sand) manufacturing
23	Engineering and fabrication units (With investment on Plant & Machineries < ₹ 10 Crores)
24	Excavation of sand from the river bed(excluding manual excavation)
25	Facility of handling ,storage and transportation of food grains in bulk.
26	Fertiliser (granulation and formulation only)
27	Fish feed, poultry feed and cattle feed
28	Fish processing and packaging (excluding chilling of fish)
29	Foam manufacturing
30	Food & food processing including fruits & vegetable processing
31	Forging of ferrous & non-ferrous metal (using oil or gas fired boilers)
32	Formulation/palletization of camphor tablets, naphthalene balls from camphor/naphthalene powders
33	Glass, ceramic, earthen potteries and tile manufacturing using oil or gas fired kiln,Coating on glasses using cerium fluoride,magnesium fluoride etc.
34	Glue from starch (physical mixing)

Sl No.	List of Industries
35	Gravure printing, digital printing on flex, vinyl
36	Heat treatment using oil fired furnace (excluding cyaniding)
37	Hotels (Less than 3 star) or hotels having > 20 rooms and less than 100 rooms.
38	Ice cream
39	Infrastructure development project
40	Jute processing without dyeing
41	Liquid floor cleaner , black phenyl , liquid soap , glyserol monostearate manufacturing.
42	Manufacture of mirror from sheet glass
43	Manufacturing of iodized salt from crude/raw salt
44	Manufacturing of mosquito repellent coil
45	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items
46	Mechanized laundry using oil fired boiler
47	Modular wooden furniture from particle board , MDF, swan timber etc, Ceiling tiles/partition board from saw dust, wood chips etc. & other agricultural waste using synthetic adhesive resin, wooden box making
48	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
49	Paint blending & mixing (Ball mill)
50	Pharmaceutical formulation and for R&D purpose (for sustained release/extended release of drugs only and not for commercial purpose)
51	Plyboard manufacturing (including vineer & laminate) with oil fired boiler/ thermic fluid heater (without resin plant)
52	Potable alcohol (IMFL) by blending , bottling of alcoholic products (capital investment on plant & machinery < ₹ 1 crore
53	Power press
54	Printing ink manufacturing
55	Printing or etching of glass sheet using hydrofluoric acid
56	Producer gas plant using conventional up-drift coal gasification (linked to rolling mills , glass and ceramic industry, refractories for dedicated fuel supply)
57	Pulverisation of bamboo and scrap wood
58	Repairing of electric motor & generator
59	Reprocessing of waste plastic (excluding PVC)
60	Rice mill less than 10 TPD & rice hullers
61	Rolling Mill (oil or gas fired) and cold Rolling mill
62	Saw mill
63	Seasoning of wood in steam heated chamber.
64	Silk screen printing, Saree printing by wooden blocks
65	Spice grinding (> 20 HP motor)
66	Spray painting, paint baking, paint stripping
67	Tamarind powder manufacturing

Sl No.	List of Industries
68	Tea processing
69	Thermocol manufacturing
70	Thermometer making
71	Transformer repairing/manufacturing
72	Tyres and tubes vulcanization/hot retreading
73	Wire drawing & Wire netting