



TAMILNADU POLLUTION CONTROL BOARD

TNPCB - Revised categorization of industries in view of directions issued by the Central Pollution Control Board under the Section 18(1) (b) of the Water (P&CP) Act, 1974 and the Air (P&CP) Act, 1981.- Approved by the Board – Order issued.

B.P. No. 06

Dated : 02.08.2016

- Read: 1. CPCB Letter No.B-29012/ESS(CPA)/2015-1 dated 7.3.2016.
2. Board Resolution No.CA/BM/09/2016 dated 29.7.2016.

Tamil Nadu Pollution Control Board vide B.P. No.34 dated 5.10.2012 issued the list of industries which are classified as Red, Orange and Green Category Industries as per the directions issued by the Central Pollution Control Board on 4.6.2012. Subsequently in 2013, the Board vide B.P. No. 37 dated 1.6.2013 has issued a revised list with the addition of left-out industries.

Now the CPCB vide letter No. B-29012/ESS(CPA)/2015-1, dated 7.3.2016 has issued direction to all the Chairman, State Pollution Control Boards / Pollution Control Committees under the section 18(1) (b) of the Water (P&CP) Act, 1974 and under the Air (P&CP) Act, 1981 regarding harmonization of classification of industrial sectors under Red / Orange / Green / White Categories. In the directions the CPCB has mentioned interalia as follows:-

Now, therefore, in exercises of the powers delegated to the Chairman, CPCB under Section 18 (1) (b) of the Water (P&CP) Act, 1974 and Section 18(1) (b) Air (P&CP) Act, 1981 the earlier Directions issued in June 2012, in the context of categorization of industries as Red, Orange & Green are withdrawn with immediate effect and the following 'Directions' are hereby issued for compliance by all SPCBs and PCCs:

1. That the SPCBs and PCCs shall adopt the Revised Criteria of categorization of industrial sectors as detailed in table nos. F1, F2, F3 and F4 and Revised Lists of Red, Orange, Green and White categories of industrial sectors, presented at table no. G2, G3, G4 and G5 respectively in the 'Final Report' as attached herewith immediately.

76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.

Tel : 22353134, 22353135, 22353136, 22353137, 22353138, 22353139, 22353140, 22353141

Fax : 044-22353068

Email : tnpcb@md3.vsnl.net.in Web : www.tnpcb.gov.in

2. That all pending applications for consideration of 'Consent to Establish' and 'Consent to Operate' and future such applications shall be processed as per revised criteria.
3. That the SPCBs and PCCs will provide the list of industries identified in each category existing in the State which have been considered for grant of consents. SPCBs/PCCs will forward the list of such industries before 31.05.2016 and the same will be uploaded on the websites of respective SPCB/PCC.
4. That the 'Revised Lists of Red, Orange, Green and White category of industrial sectors' shall be used by the SPCBs and PCCs for Consent Management and inventorization of industries under Red, Orange, Green and White categories. Siting of industries shall be only in conforming area. SPCBs/PCCs shall evolve sector specific plans for control of pollution and industrial surveillance for verifying compliance.
5. That the SPCBs and PCCs shall revise / prepare the inventory of Red, Orange, Green and White categories of industries operating in their jurisdiction based on the revised criteria specified in the Final Report and submit the same to CPCB within 90 days i.e., before 30.05.2016 in hard copy as well as soft copy.
6. That the listed category of industries or those identified later-on under different categories shall not be linked to sanction of loan /finance or bank proceedings.
7. That any further addition of any new or left-over industrial sector and their categorization which is not in the revised list of Red, Orange, Green and White industrial sectors, shall be done at the level of concerned SPCB / PCC following revised criteria & guidelines as detailed in the attached document and no concurrence of CPCB shall normally be required. It is further clarified that while categorizing the industries, fractional numbers shall be rounded off to nearest integer.

Based on the directions of CPCB, the TNPCB has instructed all the District Environmental Engineers to fit in the industries in their jurisdiction. They were also instructed to give score and classify the industries which are not covered in the CPCB list and to send a complete list to the Board. Accordingly, they furnished the list. The list was scrutinized by the Committee comprising of Seniors Engineers of the Board headed by the Member Secretary. The Committee has classified 14 types of industries under Red, Orange and Green based on scoring. The final list is given in Annexure.

In view of the above and in order to comply with the directions of the CPCB issued under Section 18 (1) (b) of the Water (P&CP) Act, 1974 and under Section 18(1)(b) of the Air (P&CP) Act, 1981, the list was placed before the Board for approval. Further it was also placed before the Board to authorize the Chairman, TNPCB to issue orders for addition of any new or left-over industrial sector and their categorization which is not in the revised list of Red, Orange, Green and White industrial sectors, on getting the recommendation from the committee headed by the Member Secretary. The Miscellaneous Category of industries will be reviewed by the Committee on frequent interval.

The Board vide resolution No. CA/BM/09/2016 dated 29.7.2016, resolved to approve the proposal for revised categorization of Industries (list enclosed) in view of directions dated 7.3.2016, issued by the Central Pollution Control Board under Section 18(1) (b) of the Water (P&CP) Act, 1974 and the Air (P&CP) Act, 1981. The Board also resolved to authorize the Chairman, TNPCB to issue orders for addition of any new or left-over industrial sector and their categorization which is not in the revised list of Red, Orange, Green and White industrial sectors, on getting the recommendation from the committee headed by the Member Secretary and that the Miscellaneous type of industries shall be reviewed by the Committee frequently to fit the industries in the respective type.

Encl: List of revised Categorization.

Sd/xxxx
Member Secretary

To

- 1 All JCEEs (Monitoring), TNPCB
- 2 All DEEs, TNPCB
- 3 All HODs in Board Office

They are requested to provide a copy of this B.P to all the Engineers working under them

Copy to

- 1 PS to Chairman
- 2 PS to Member Secretary
- 3 BMS
- 4 File
- 5 Spare

R. Ajind 2/8/2016
For Member Secretary

ms
2/8/2016

List of Red, Orange, Green and White category Industries as per CPCB Directions

1. Red Category Industries- 85 Nos

S No	Type code	Category	Industry sector-Types	Ref
1	1001	Red	Isolated storage of hazardous chemicals (as per schedule of Manufacturing, Storage of Hazardous Chemicals Rules,1989 as amended)	
2	1002	Red	Automobile Manufacturing plants (integrated facilities) having either one or combinations of polluting activities namely washing, metal surface finishing operations, pickling, plating, electroplating, phosphating, painting, heat treatment etc. Heavy Engineering and Ship building are merged in this Category.	3-Red-Annex
3	1003	Red	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW(M,H & TBM) rules, 2008 - Items namely - Spent cleared metal catalyst containing copper, Spent cleared metal catalyst containing zinc	
4	1004	Red	Manufacturing of lubricating oils, grease and petroleum based products	
5	1005	Red	DG Set of capacity ≥ 5 MVA	
6	1006	Red	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black	
7	1007	Red	Lead acid battery manufacturing (excluding assembling and charging of lead- acid battery in micro scale)	
8	1008	Red	Phosphate rock processing plant	
9	1009	Red	Power generation plant [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW]	
10	1010	Red	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW(M, H& TBM) Rules, 2008 - Items namely - Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt,	
11	1011	Red	Processes involving chlorinated hydrocarbons	
12	1012	Red	Sugar (excluding Khandasari)	
13	1013	Red	Fibre glass production and processing (excluding moulding) including Lead containing glass	
14	1014	Red	Fire crackers manufacturing and bulk storage facilities	
15	1015	Red	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW (M, H& TBM) Rules, 2008 - Items namely - Dismantlers Recycling Plants - Components of waste electrical and electronic assemblies comprising accumulators and other batteries included on list A, mercury-switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule 2 constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule	
16	1016	Red	Milk processes and dairy products (integrated project)	
17	1017	Red	Phosphorous and its compounds	
18	1018	Red	Pulp & Paper (waste paper based without bleaching process to manufacture Kraft paper)	

19	1019	Red	Coke making, liquefaction, coal tar distillation or fuel gas making	
20	1020	Red	Manufacturing of explosives, detonators, fuses including management and handling activities	
21	1021	Red	Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)	
22	1022	Red	Organic Chemicals manufacturing	
23	1023	Red	Airports and Commercial Air Strips having waste water generation 100 KLD and above	O-84
24	1024	Red	Asbestos and asbestos based industries	
25	1025	Red	Basic chemicals and electro chemicals and its derivatives including manufacturing of acid	
26	1026	Red	Cement	
27	1027	Red	Chlorates, per-chlorates & peroxides	
28	1028	Red	Chlorine, fluorine, bromine, iodine and their compounds	
29	1029	Red	Dyes and Dye- Intermediates	
30	1030	Red	Health-care Establishment (as defined in BMW Rules) having incinerator irrespective of waste generation (or) having total waste water generation 100 KLD and above	O-85
31	1031	Red	Hotels having overall wastewater generation @ 100 KLD and more (or) having rooms 100 and above	O-38
32	1032	Red	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW(M, H & TBM) Rules, 2008 - Items namely - Lead acid battery plates and other lead scrap/ ashes/ residues not covered under Batteries (Management and Handling) Rules, 2001. [* Battery scrap, namely: Lead battery plates covered by ISRI, Code word "Rails" Battery lugs covered by ISRI, Code word "Rakes". Scrap drained/dry while intact, lead batteries covered by ISRI, Code word "rains".	
33	1033	Red	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW(M, H & TBM) Rules, 2008 - Items namely - Integrated Recycling Plants -Components of waste electrical and electronic assemblies comprising accumulators and other batteries included on list A, mercury- switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule 2 constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule	
34	1034	Red	Manufacturing of glue and gelatin	
35	1035	Red	Mining and ore beneficiation	
36	1036	Red	Nuclear power plant	
37	1037	Red	Pesticides (technical) (excluding formulation)	
38	1038	Red	Photographic film and its chemicals	
39	1039	Red	Railway locomotive work shop / Integrated road transport workshop / Authorized service centers having waste water generation 100 KLD and above	O-90
40	1040	Red	Yarn / Textile processing involving any effluent/ emission generating processes including bleaching, dyeing, printing and colouring	
41	1041	Red	Chlor Alkali	
42	1042	Red	Ship Breaking Industries	
43	1043	Red	Oil and gas extraction including CBM (offshore & on-shore)	

			extraction through drilling wells)	
44	1044	Red	Industry or process involving metal surface treatment or process such as pickling/ electroplating/ paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing	
45	1045	Red	Tanneries	
46	1046	Red	Ports and harbour, jetties and dredging operations	
47	1047	Red	Synthetic fibers including rayon, tyre cord, polyester filament yarn	
48	1048	Red	Thermal Power Plants	
49	1049	Red	Slaughter house (as per notification S.O.270(E)dated 26.03.2001)and meat processing industries, bone mill, processing of animal horn, hoofs and other body parts	
50	1050	Red	Aluminium Smelter	
51	1051	Red	Copper Smelter	
52	1052	Red	Fertilizer (basic) (excluding formulation)	
53	1053	Red	Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units	
54	1054	Red	Pulp & Paper (waste paper based units with bleaching process to manufacture writing & printing paper)	
55	1055	Red	Zinc Smelter	
56	1056	Red	Oil Refinery (mineral Oil or Petro Refineries)	
57	1057	Red	Petrochemicals Manufacturing (including processing of Emulsions of oil and water)	
58	1058	Red	Pharmaceuticals	
59	1059	Red	Pulp & Paper (Large-Agro + wood), Small Pulp & Paper (agro based-wheat straw/rice husk)	
60	1060	Red	Distillery (molasses / grain / yeast based)	
61	1061	Red	Synthetic detergents and soaps (excluding formulation) having waste water generation 100 KLD and above	O-13
62	1062	Red	Automobile servicing, repairing and painting (excluding only fuel dispensing) having waste water generation 100 KLD and above	O-18
63	1063	Red	Building and construction project more than 20,000 sq.m built up area and having waste water generation 100 KLD and above	O-21
64	1064	Red	Ceramics and Refractories having coal/fuel consumption 12 MT/day and more	O-22
65	1065	Red	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having waste water generation 100 KLD and above	O-27
66	1066	Red	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy making - secondary production of Ferrous and Non- ferrous metals more than 1 MT/hr production (or) Lead extraction irrespective of capacity (or) metal extraction having Induction Furnace clubbed with AOD furnace	O-28
67	1067	Red	Industry or processes involving foundry operations having capacity of 5 MT/hr and more as such units require using coal/coke at more than 500 Kg/hr	O-42
68	1068	Red	Manufacturing of glass (Lead glass only)	O-45
69	1069	Red	Non-alcoholic beverages (soft drink) & bottling of alcohol/ non-alcoholic products having waste water generation 100 KLD and above	O-53

70	1070	Red	Vegetable oil manufacturing including solvent extraction and refinery / hydrogenated oils having waste water generation 100 KLD and above	O-71
71	1071	Red	Parboiled Rice Mills having waste water generation 100 KLD and above (or) fuel consumption 12 MTD and above (or) both	O-79
72	1072	Red	Common treatment and disposal facilities-TSDF	1R
73	1073	Red	Common treatment and disposal facilities-E-waste recycling	1R
74	1074	Red	Common treatment and disposal facilities-CBMWTF	1R
75	1075	Red	Effluent conveyance project	1R
76	1076	Red	Common treatment and disposal facilities-Solvent/Acid recovery plant	1R
77	1077	Red	MSW sanitary landfill site	1R
78	1078	Red	Common treatment and disposal facilities-CETP for Red category Industries	1R
79	1079	Red	Industrial Estates/ Parks/ Complexes/ areas/ Export processing zones/ SEZs/ Bio-tech parks/ Leather complex	5R
80	1080	Red	Pharmaceutical R & D activities (For sustained release/ extended release of drugs only and not for commercial purpose)	O-74
LEFT OUT SECTORS IN THE CPCB CATEGORISATION				
81	1081	Red	<i>Sewage Treatment Plant</i>	
82	1082	Red	<i>Reclamation/deployment/ pyrolysis of plastic/rubber to get oil, carbon black etc.</i>	
83	1083	Red	<i>Tyre, tube & rubber components</i>	
84	1084	Red	<i>Analytical & material testing lab</i>	
85	1999	Red	<i>Miscellaneous (Red)</i>	

NOTE : SI.No. 61 to 80 are added to get clarity in CPCB list, and SI.No. 81 to 84 are added based on scoring done by TNPCB

2. Orange Category Industries- 97 Nos

SI No	Type code	Category	Industry sector-Types	Ref
1	2001	Orange	Dismantling of rolling stocks (wagons/ coaches)	
2	2002	Orange	Bakery and confectionery units with production capacity > 1 TPD (With ovens / furnaces)	
3	2003	Orange	Chanachur and laddoo from puffed and beaten rice(muri and shira) using husk fired oven	
4	2004	Orange	Coated electrode manufacturing	
5	2005	Orange	Compact disc computer floppy and cassette manufacturing / Reel manufacturing	
6	2006	Orange	Flakes from rejected PET bottle	
7	2007	Orange	Food and food processing including fruits and vegetable processing	
8	2008	Orange	Jute processing without dyeing	
9	2009	Orange	Manufacturing of silica gel	
10	2010	Orange	Manufacturing of tooth powder, toothpaste, talcum powder and	

			other cosmetic items	
11	2011	Orange	Printing or etching of glass sheet using hydrofluoric acid	
12	2012	Orange	Silk screen printing, sari printing by wooden blocks	
13	2013	Orange	Synthetic detergents and soaps(excluding formulation) having waste water generation less than 100 KLD	R-61
14	2014	Orange	Thermometer manufacturing	
15	2015	Orange	Cotton spinning and weaving (medium and large scale)	
16	2016	Orange	Almirah, Grill Manufacturing (Dry Mechanical Process) with painting	W-37
17	2017	Orange	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)	
18	2018	Orange	Automobile servicing, repairing and painting (excluding only fuel dispensing) having waste water generation less than 100 KLD	R-62
19	2019	Orange	Ayurvedic and homeopathic medicine (with Boiler)	
20	2020	Orange	Brickfields (excluding fly ash brick manufacturing using lime process)	
21	2021	Orange	Building and construction project more than 20,000 sq.m built up area and having waste water generation less than 100 KLD	R-63
22	2022	Orange	Ceramics and Refractories having coal/fuel consumption less than 12 MT/day	R-64
23	2023	Orange	Coal washeries	
24	2024	Orange	Dairy and dairy products (small scale)	
25	2025	Orange	DG set of capacity >1MVA but < 5MVA	
26	2026	Orange	Dry coal processing, mineral processing, industries involving ore sintering, pelletising, grinding & pulverization	
27	2027	Orange	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having waste water generation less than 100 KLD	R-65
28	2028	Orange	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy making- Secondary production of Ferrous and Non-ferrous metals (excluding lead) upto 1 MT/hr production	R-66
29	2029	Orange	Fertilizer (granulation / formulation / blending only)	
30	2030	Orange	Fish feed, poultry feed and cattle feed	
31	2031	Orange	Fish processing and packing (excluding chilling of fishes)	
32	2032	Orange	Forging of ferrous and non- ferrous metals (using oil and gas fired furnaces)	
33	2033	Orange	Formulation/ pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders.	
34	2034	Orange	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride etc.	
35	2035	Orange	Gravure printing, digital printing on flex, vinyl	
36	2036	Orange	Heat treatment using oil fired furnace (without cyaniding)	
37	2037	Orange	Hot mix plants	
38	2038	Orange	Hotels (< 3 star) (or) hotels having > 20 rooms and less than 100 rooms (or) having waste water generation > 10 KLD and less than 100 KLD and having a coal/Oil fired Boiler	R-31
39	2039	Orange	Ice cream	
40	2040	Orange	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW (M, H& TBM)	

			Rules, 2008 - Items namely - Paint and ink Sludge/residues	
41	2041	Orange	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW (M, H & TBM) Rules, 2008 - 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 form.	
42	2042	Orange	Industry or processes involving foundry operations having capacity less than 5 MT/hr as such units require coal/coke at less than 500 Kg/hr	R-67
43	2043	Orange	Lime manufacturing (using lime kiln)	
44	2044	Orange	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing	
45	2045	Orange	Manufacturing of glass (except Lead glass)	R-68
46	2046	Orange	Manufacturing of iodized salt from crude/ raw salt	
47	2047	Orange	Manufacturing of mirror from sheet glass	
48	2048	Orange	Manufacturing of mosquito repellent coil	
49	2049	Orange	Manufacturing of Starch/Sago	
50	2050	Orange	Mechanized laundry using oil fired boiler	
51	2051	Orange	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)	G-64
52	2052	Orange	New highway construction project	
53	2053	Orange	Non-alcoholic beverages (soft drink) & bottling of alcohol/ non-alcoholic products having waste water generation less than 100 KLD	R-69
54	2054	Orange	Paint blending and mixing (Ball mill)	
55	2055	Orange	Paints and varnishes (mixing and blending)	
56	2056	Orange	Ply-board manufacturing (including Veneer and laminate) with oil fired boiler/ thermic fluid heater(without resin plant)	
57	2057	Orange	Potable alcohol (IMFL) by blending, bottling of alcohol products	
58	2058	Orange	Printing ink manufacturing	
59	2059	Orange	Printing press	
60	2060	Orange	Reprocessing of waste plastic including PVC	
61	2061	Orange	Rolling mill (oil or coal fired) and cold rolling mill	
62	2062	Orange	Spray painting, paint baking, paint shipping	
63	2063	Orange	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	2064	Orange	Stone crushers	
65	2065	Orange	Surgical and medical products including prophylactics and latex	
66	2066	Orange	Tephlon based products	

67	2067	Orange	Thermocol manufacturing (with boiler)	
68	2068	Orange	Tobacco products including cigarettes and tobacco/ opium processes	
69	2069	Orange	Transformer repairing/ manufacturing (dry process only)	
70	2070	Orange	Tyres and tubes vulcanization/ hot retreating	
71	2071	Orange	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste water generation less than 100 KLD	R-70
72	2072	Orange	Wire drawing and wire netting	
73	2073	Orange	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale	
74	2074	Orange	Pharmaceutical formulation and for R & D purpose (For sustained release/ extended release of drugs and not for commercial purpose)	
75	2075	Orange	Synthetic resins	
76	2076	Orange	Synthetic rubber excluding molding	
77	2077	Orange	Cashew nut processing	
78	2078	Orange	Coffee seed processing	
79	2079	Orange	Parboiled Rice Mills having waste water generation less than 100 KLD and fuel consumption less than 12 MTD	R-71
80	2080	Orange	Foam manufacturing	
81	2081	Orange	Industries engaged in recycling / reprocessing/ recovery/ reuse of Hazardous Waste under schedule iv of HW (M, H& TBM) Rules, 2008 - Items namely - Used Oil - As per specifications prescribed from time to time.	
82	2082	Orange	Industries engaged in recycling / reprocessing/ recovery /reuse of Hazardous Waste under schedule iv of HW (M, H& TBM) rules, 2008 - Items namely - Waste Oil-As per specifications prescribed from time to time.	
83	2083	Orange	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply)	
84	2084	Orange	Airports and Commercial Air Strips having waste water generation less than 100 KLD	R-23
85	2085	Orange	Health-care Establishment (as defined in BMW Rules) without Incinerator and having total waste water generation less than 100 KLD	R-30
86	2086	Orange	Common treatment and disposal facilities- CETP for Orange category Industries	1R
87	2087	Orange	Manufacturing of pasted veneers using coal fired boiler and by sun drying	G-28
88	2088	Orange	Tea processing (with boiler)	G-63
89	2089	Orange	Railway locomotive work shop / Integrated road transport workshop / Authorized service centers having waste water generation less than 100 KLD	R-39
LEFT OUT SECTORS IN THE CPCB CATEGORISATION				
90	2090	Orange	Match work units	
91	2091	Orange	Infrastructure development projects including educational institutions, community hall, kalyanamandam, IT Park, Theme park (having waste water generation <100 KLD).	
92	2092	Orange	Desalination plant.	

93	2093	Orange	Sizing Units	
94	2094	Orange	Chemical mixing cum storage units	
95	2095	Orange	Natural rubber processing	
96	2096	Orange	Pesticides formulation	
97	2999	Orange	Miscellaneous (Orange)	

NOTE : SI.No. 84 to 89 are added to get clarity in CPCB list, and SI.No. 90 to 96 are added based on scoring done by TNPCB

3. Green Category Industries- 68 Nos

Sl No	Type code	Category	Industry sector-Types	Ref
1	3001	Green	Aluminium utensils from aluminium circles by pressing only (dry mechanical operation)	
2	3002	Green	Ayurvedic and homeopathic medicines (without boiler)	
3	3003	Green	Bakery /confectionery / sweets products (with production capacity <1tpd (with gas or electrical oven)	
4	3004	Green	Bi-axially oriented PP film along with metalizing operations	
5	3005	Green	Biomass briquettes (sun drying) without using toxic hazardous wastes	
6	3006	Green	Blending of melamine resins & different powder, additives by physical mixing	
7	3007	Green	Brass and bell metal utensils manufacturing from circles (dry mechanical operation without re-rolling facility)	
8	3008	Green	Candy	
9	3009	Green	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)	
10	3010	Green	Carpentry & wooden furniture manufacturing (excluding saw mill) with the help of electrical (motorized) machines such as electrical wood planner, steel saw cutting circular blade, etc.	
11	3011	Green	Cement products (without using asbestos / boiler / steam curing) like pipe, pillar, jafri, well ring, block/ tiles etc.(should be done in closed covered shed to control fugitive emissions)	
12	3012	Green	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)	
13	3013	Green	Chilling plant, cold storage and ice making	
14	3014	Green	Coke briquetting (sun drying)	
15	3015	Green	Cotton spinning and weaving (small scale)	
16	3016	Green	Dal Mills	
17	3017	Green	Decoration of ceramic cups and plates by electric furnace	
18	3018	Green	Digital printing on PVC clothes	
19	3019	Green	Facility of handling, storage and transportation of food grains in bulk	
20	3020	Green	Flour mills (dry process)	
21	3021	Green	Glass, ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln	
22	3022	Green	Glue from starch (physical mixing) with gas / electrically operated oven / boiler	
23	3023	Green	Gold and silver smithy (purification with acid smelting operation and sulphuric acid polishing operation) (using less or equal to 1	

			litre of sulphuric acid/ nitric acid per month)	
24	3024	Green	Heat treatment with any of the new technology like ultrasound probe, induction hardening, ionization beam, gas carburizing etc.(Finalization of categorization subject to field verification)	
25	3025	Green	Insulation and other coated papers (excluding paper or pipe manufacturing)	
26	3026	Green	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)	
27	3027	Green	Lubricating oil, greases or petroleum based products (only blending at normal temperature)	
28	3028	Green	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying (except coal fired Boiler)	O-88
29	3029	Green	Oil mill Ghani and extraction (no hydrogenation / refining)	
30	3030	Green	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn	
31	3031	Green	Phenyl / toilet cleaner formulation and bottling	
32	3032	Green	Polythene and plastic processed products manufacturing (virgin plastic)	
33	3033	Green	Poultry, Hatchery and piggery	
34	3034	Green	Power looms (without dye and bleaching)	
35	3035	Green	Puffed rice (muri) (using gas or electrical heating system)	
36	3036	Green	Pulverization of bamboo and scrap wood	
37	3037	Green	Ready mix cement concrete	
38	3038	Green	Reprocessing of waste cotton	
39	3039	Green	Rice mill (Rice hullers only)	
40	3040	Green	Rolling mill (gas fired) and cold rolling mill	
41	3041	Green	Rubber goods industry (with gas operated baby boiler)	
42	3042	Green	Saw mills	
43	3043	Green	Soap manufacturing (hand made without steam boiling / boiler)	
44	3044	Green	Spice grinding (20 HP motor)	
45	3045	Green	Spice grinding (20 hp motor)	
46	3046	Green	Steel furniture without spray painting	
47	3047	Green	Steeping and processing of grains	
48	3048	Green	Tyres and tube retreating (without boilers)	
49	3049	Green	Chilling plant and ice making without using ammonia	
50	3050	Green	CO2 recovery	
51	3051	Green	Distilled water (without boiler) with electricity as source of heat	
52	3052	Green	Hotels (up to 20 rooms and without boilers) having waste water generation less than 10 KLD and no Hazardous waste generation	R31 O38
53	3053	Green	Manufacturing of optical lenses (using electrical furnace)	
54	3054	Green	Mineralized water	
55	3055	Green	Tamarind powder manufacturing	
56	3056	Green	Cutting, sizing and polishing of marble stone	
57	3057	Green	Emery powder (fine dust of sand) manufacturing	
58	3058	Green	Flyash export, transport & disposal facilities	
59	3059	Green	Mineral stack yard / Railway sidings	
60	3060	Green	Oil and gas transportation pipeline contains small gas based power plants upto 5 MW	
61	3061	Green	Seasoning of wood in steam heated chamber	
62	3062	Green	Synthetic detergent formulation units which are not	

			manufacturing LABSA	
63	3063	Green	Tea processing (without boiler)	O-89
64	3064	Green	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 (Without boiler)	O-51
LEFT OUT SECTORS IN THE CPCB CATEGORISATION				
65	3065	Green	Crematorium	
66	3066	Green	Light Engineering & Fabrication units with painting.	
67	3067	Green	Steam calendaring / Zero zero finishing/centering etc.	
68	3999	Green	Miscellaneous (Green)	

NOTE : SI.No. 64 is added to get clarity in CPCB list, and SI.No. 65 to 67 are added based on scoring done by TNPCB

4. White Category Industries- 36 Nos

SI No	Type code	Category	Industry sector-Types	Ref
1	4001	White	Assembly of air coolers / conditioners, repairing and servicing	
2	4002	White	Assembly of bicycles, baby carriages and other small non motorizing vehicles	
3	4003	White	Bailing (hydraulic press)of waste papers	
4	4004	White	Bio fertilizer and bio-pesticides without using inorganic chemicals	
5	4005	White	Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)	
6	4006	White	Blending and packing of tea	
7	4007	White	Block making of printing without foundry (excluding wooden block making)	
8	4008	White	Chalk making from plaster of Paris (only casting without boilers etc. (sun drying / electrical oven)	
9	4009	White	Compressed oxygen gas from crude liquid oxygen (without use of any solvents and by maintaining pressure & temperature only for separation of other gases)	
10	4010	White	Cotton and woolen hosiery making (Dry process only without any dyeing / washing operation)	
11	4011	White	Diesel pump repairing and servicing (complete mechanical dry process)	
12	4012	White	Electric lamp (bulb) and CFL manufacturing by assembling only	
13	4013	White	Electrical and electronic item assembling (completely dry process)	
14	4014	White	Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)	
15	4015	White	Flavoured betel nuts production/ grinding (completely dry mechanical operations)	
16	4016	White	Fly ash bricks/ block manufacturing	
17	4017	White	Fountain pen manufacturing by assembling only	
18	4018	White	Glass ampules and vials making from glass tubes	
19	4019	White	Glass putty and sealant (by mixing with machine only)	

20	4020	White	Ground nut decorticating	
21	4021	White	Handloom/ carpet weaving (without dyeing and bleaching operation)	
22	4022	White	Leather cutting and stitching (more than 10 machine and using motor)	
23	4023	White	Manufacturing of coir items from coconut husks	
24	4024	White	Manufacturing of metal caps containers etc	
25	4025	White	Manufacturing of shoe brush and wire brush	
26	4026	White	Medical oxygen	
27	4027	White	Organic and inorganic nutrients (by physical mixing)	
28	4028	White	Organic manure (manual mixing)	
29	4029	White	Packing of powdered milk	
30	4030	White	Paper pins and u clips	
31	4031	White	Repairing of electric motors and generators (dry mechanical process)	
32	4032	White	Rope (plastic and cotton)	
33	4033	White	Scientific and mathematical instrument manufacturing	
34	4034	White	Solar module non conventional energy apparatus manufacturing unit	
35	4035	White	Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW	
36	4036	White	Surgical and medical products assembling only (not involving effluent / emission generating processes)	

Note: When any industry not listed in Red, Orange, Green & White category wants to apply, then the DEE shall workout the score as per CPCB guidelines & arrive at the category. Then the industry shall be asked to select Miscellaneous type available in that category.

Sd/xxxxx
Member Secretary

R. Rajan
For Member Secretary 2/8/2016

ms
2/8/2016



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

No.B-29012/ESS(CPA)/2015-16/

March 07, 2016

To

The Chairman
All the State Pollution Control Boards / Pollution Control Committees
(List Attached)

SUB: MODIFIED 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 UNDER RED / ORANGE / GREEN / WHITE CATEGORIES.

WHEREAS, under section 16 (2)(b) of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 (2)(c) of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB), constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to coordinate activities of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs); and

WHEREAS, under section 16 (2)(c) of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 (2)(d) of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the CPCB is to provide technical assistance and guidance to SPCBs and PCCs; and

WHEREAS, it was brought to the notice of CPCB, that different SPCBs /PCCs were following different criteria for classification of industrial sectors under Red/Orange/ Green category and that classification was being used by the SPCBs/PCCs for grant of consents to industries and for Inventorization / surveillance of industries.

WHEREAS, the issue regarding classification of industries was deliberated upon in the 56th Conference of Chairmen & Member Secretaries of CPCB & SPCBs/PCCs held on August 31, 2010 and a working group comprising of representatives from SPCBs & CPCB was constituted to prepare a consolidated list of industrial sectors falling under Red/Orange/Green category to bring uniformity in classification of industrial sectors across the country;

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi - 110032

दूरभाष - Tel: 43102030, फ़ैक्स - Fax: 22305793, 22307078, 22307079, 22301935, 22304948

ई-मेल - e-mail: cpcb@nic.in 1/5 वेबसाइट - Website: www.cpcb.nic.in

WHEREAS, the report prepared by the Working Group was discussed in the 57th Conference of Chairmen & Member Secretaries of CPCB & SPCBs/PCCs held in Delhi on September 15, 2011, wherein some modifications were proposed;

WHEREAS, the final report of the working group was prepared, incorporating the suggestions/observations made in the 57th Conference of Chairmen and Member Secretaries of CPCB & SPCBs/PCCs and in exercise of the powers delegated to the Chairman, CPCB under Section 18(1)(b) of the Water Act, 1974, following directions were issued for compliance to all SPCBs/PCCs to maintain uniformity in categorization of industries as red, orange and green as per list finalized by CPCB, which identified 85 types of industrial sectors as 'Red', 73 industrial sectors as 'Orange' and 86 sectors as 'Green':

a). To maintain uniformity in categorization of industries under Red/Orange/Green category, the SPCBs /PCCs shall adopt the list as finalized by CPCB based on the recommendations of that Working Group for grant of Consent, inventorization of industries under Red, Orange and Green categories and other related activities.

(b). The SPCBs/PCCs shall revise the list of Red, Orange and Green categories of industries operating in their jurisdiction based on the criteria specified in the final report of that Working Group and submit the same to CPCB within 90 days in hard copy as well as soft copy;

WHEREAS, later-on, it was observed that the process of categorization thus far was primarily based on the size of the industries and consumption of resources and pollution due to discharge of emissions and effluents and its likely impact on health was not considered as primary criteria;

WHEREAS, there have been proposals from the SPCBs / PCCs and industrial associations for categorization of the industrial sectors in a more pragmatic manner. The issue was discussed during the national level conference of the Environment Ministers of the States, held in New Delhi during April 06-07, 2015 and also during the Conference of the Chairmen and Member Secretaries of CPCB and SPCBs/PCCs held in New Delhi on April 08, 2015. Accordingly, a 'Working Group' comprising of the Members from Central Pollution Control Board and State Pollution Control Boards representing the States of Andhra Pradesh, Punjab, Tamilnadu, West Bengal, Madhya Pradesh and Maharashtra, was constituted to revisit the criteria of categorization of industries and suggest rationale based on pollution potential for categorization of industrial sectors and adopting it for implementation of pollution control plan;

WHEREAS, the Working Group has developed the criteria of categorization of industrial sectors based on the concept of Pollution Index which is a function of the emissions (air pollutants), effluents (water pollutants), hazardous wastes generated and consumption of resources. For this purpose the references are taken from the the Water (Prevention and Control

of Pollution) Cess (Amendment) Act, 2003, Standards so far prescribed for various pollutants under Environment (Protection) Act, 1986 and Doon Valley Notification, 1989 issued by MoEFCC. The Pollution Index (PI) of any industrial sector is a number from 0 to 100 and the increasing value of PI denotes the increasing degree of pollution load from the industrial sector;

WHEREAS, based on the series of consultations with SPCBs, different Government / Non-government Institutions including industries and MoEFCC, the following criteria on 'Range of Pollution Index' for the purpose of categorization of industrial sectors has been finalized:

- o Industrial Sectors having Pollution Index score of 60 and above - Red category
- o Industrial Sectors having Pollution Index score of 41 to 59 -Orange category
- o Industrial Sectors having Pollution Index score of 21 to 40 -Green category
- o Industrial Sectors having Pollution Index score incl. & upto 20 -White category

WHEREAS, based on the revised criteria, the 'Final Report on Revised Categorization of Industrial Sectors under Red/Orange/Green/White' has been evolved. The 'Categorization' is based on the relative pollution potential of the industrial sectors and grouping of the industrial sectors based on the use of raw materials, manufacturing process adopted and pollutants likely to be generated;

WHEREAS, based on relative Pollution Index, the number of industries in various categories are as under :

- i. The Red category of industrial sectors: 60
- ii. The Orange category of industrial sectors: 83
- iii. The Green category of industrial sectors: 63 and
- iv. The Newly introduced White category: 36

WHEREAS, there shall be no necessity of obtaining the Consent to Operate" for White category of industries and an intimation to concerned SPCB / PCC shall suffice;

WHEREAS, the purpose of categorization is to ensure that the industry is established in a manner consistent with the environmental objectives and to prompt industrial sectors to adopt cleaner technologies, ultimately resulting in generation of no or minimum pollutants.

WHEREAS the new categorization system shall also facilitate in self-assessment by industries;

Now, therefore, in exercise of the powers delegated to the Chairman, CPCB under Section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and Section 18(1)(b) of the Air (Prevention & Control of Pollution), Act, 1981 the earlier Directions issued in June 2012 in the context of categorisation of industries as Red, Orange & Green are withdrawn with immediate effect and following 'Directions' are hereby issued for compliance by all SPCBs and PCCs :

1. That the SPCBs and PCCs shall adopt the Revised Criteria of categorization of industrial sectors as detailed in table nos. F1, F2, F3 and F4 and Revised Lists of Red, Orange, Green and White categories of industrial sectors, presented at table no. G2, G3, G4 and G5 respectively, in the 'Final Report' as attached herewith immediately.
2. That all pending applications for consideration of 'Consent to Establish' and 'Consent to Operate' and future such applications shall be processed as per revised criteria.
3. That the SPCBs and PCCs will provide the list of industries identified in each category existing in the State which have been considered for grant of consents. SPCBs/PCCs will forward the list of such industries before 31.05.2016 and the same will be uploaded on the websites of respective SPCB/PCC.
4. That the 'Revised Lists of Red, Orange, Green and White category of industrial sectors' shall be used by the SPCBs and PCCs for Consent Management and inventorization of industries under Red, Orange, Green and White categories. Siting of industries shall be only in conforming areas. SPCBs / PCCs shall evolve sector specific plans for control of pollution and industrial surveillance for verifying compliance.
5. That the SPCBs and PCCs shall revise /prepare the inventory of Red, Orange, Green and White categories of industries operating in their jurisdiction based on the revised criteria specified in the Final Report and submit the same to CPCB within 90 days i.e., before 30.05.2016 in hard copy as well as soft copy.
6. That the listed category of industries or those identified later-on under different categories shall not be linked to sanction of loan /finance or bank proceedings.
7. That any further addition of any new or left-over industrial sector and their categorization which is not listed in the revised list of Red, Orange, Green and White industrial sectors, shall be done at the level of concerned SPCB /PCC following revised criteria & guidelines as detailed in the attached document and no concurrence of CPCB shall normally be required. It is further clarified that while categorizing the industries, fractional numbers shall be rounded off to nearest integer.

The SPCBs/PCCs shall acknowledge the receipt of directions and submit the 'Action Taken Report' in compliance with these directions to CPCB before 15.04.2016.

(Arun Kumar Mehta)
Chairman

7/3/16

Copy to:

1. The Chief Secretary of all the States and UTs
2. The Secretary ,
Ministry of Micro, Small and Medium Entrepreneurs
Udyog Bhawan, Rafi Marg, New Delhi - 110 011
3. The Secretary ,
Ministry of Heavy Industries
Udyog Bhawan, Rafi Marg, New Delhi - 110 011
4. The Secretary,
Ministry of New and Renewable Energy
Block-14, CGO Complex,
Lodhi Road, New Delhi-110 003,
5. The Advisor(CP Division)
Ministry of Environment ,Forests and Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110 003
6. All Zonal Offices of CPCB

(A. B. Akolkar) 5.3.16
Member Secretary

Final Document
on
Revised
Classification
of
Industrial Sectors
Under

Red, Orange, Green and White Categories
(February 29, 2016)



Central Pollution Control Board
Delhi

Executive Summary

Categorization of Industrial Sectors under Red, Orange, Green and White Category

The Ministry of Environment, Forest and Climate Change (MoEFCC) had brought out notifications in 1989, with the purpose of prohibition/ restriction of operations of certain industries to protect ecologically sensitive Doon Valley. The notification introduced the concept of categorization of industries as "Red", "Orange" and "Green" with the purpose of facilitating decisions related to location of these industries. Subsequently, the application of this concept was extended in other parts of the country not only for the purpose of location of industries, but also for the purpose of Consent management and formulation of norms related to surveillance / inspection of industries.

The concept of categorization of industries continued to evolve and as different State Pollution Control Boards interpreted it differently, a need arose to bring about necessary uniformity in its application across the country. In order to harmonize the 'Criteria of categorization', Directions were issued by CPCB under Section 18(1)(b) of the Water (Prevention & Control of Pollution), Act, 1974 to all SPCBs/PCCs to maintain uniformity in categorization of industries as red, green and orange as per list finalized by CPCB, which identified 85 types of industrial sectors as 'Red', 73 industrial sectors as 'Orange' and 86 sectors as 'Green'.

The process of categorization thus far was primarily based on the size of the industries and consumption of resources. The pollution due to discharge of emissions & effluents and its likely impact on health was not considered as primary criteria. There was demand from the SPCBs / PCCs and industrial associations for categorization of the industrial sectors in a more transparent manner. Accordingly, the issue was discussed thoroughly during the national level conference of the Environment Ministers of the States, held in New Delhi during April 06-07, 2015 and a 'Working Group' comprising of the members from CPCB, APPCB, TNPCB, WBPCB, PPCB, MPPCB and Maharashtra PCB is constituted to revisit the criteria of categorization of industries and recommend measures for making the system transparent and rational.

The Working Group has developed the criteria of categorization of industrial sectors based on the Pollution Index which is a function of the emissions (air pollutants), effluents (water pollutants), hazardous wastes generated and consumption of resources. For this purpose the references are taken from the the Water (Prevention and Control of Pollution) Cess (Amendment) Act, 2003, Standards so far prescribed for various pollutants under Environment (Protection) Act, 1986 and Doon Valley Notification, 1989 issued by MoEFCC. The Pollution Index PI of any industrial sector is a number from 0 to 100 and the increasing value of PI denotes the increasing degree of pollution load from the industrial sector. Based on the series of brain storming sessions among CPCB, SPCBs and MoEFCC, the following criteria on 'Range of Pollution Index' for the purpose of categorization of industrial sectors is finalized.

- | | |
|---|------------------|
| o Industrial Sectors having Pollution Index score of 60 and above | - Red category |
| o Industrial Sectors having Pollution Index score of 41 to 59 | -Orange category |
| o Industrial Sectors having Pollution Index score of 21 to 40 | -Green category |
| o Industrial Sectors having Pollution Index score incl.&upto 20 | -White category |

The newly introduced White category of industries pertains to those industrial sectors which are practically non-polluting such as Biscuit trays etc. from rolled PVC sheet (using automatic vacuum forming machines), Cotton and woolen hosiers making (Dry process only without any dyeing/washing operation), Electric lamp (bulb) and CFL manufacturing by assembling only, Scientific and mathematical instrument manufacturing, Solar power generation through photovoltaic cell, wind power and mini hydel power (less than 25 MW).

The salient features of the 'Re-categorization' Exercise are as follows :

- Due importance has been given to relative pollution potential of the industrial sectors based on scientific criteria . Further, wherever possible, splitting of the industrial sectors is also considered based on the use of raw materials, manufacturing process adopted and in-turn pollutants expected to be generated.
- The Red category of industrial sectors would be 60.
- The Orange category of industrial sectors would be 83.
- The Green category of industrial sectors would be 63.
- Newly introduced White category contains 36 industrial sectors which are practically non-polluting.
- There shall be no necessity of obtaining the Consent to Operate" for White category of industries. An intimation to concerned SPCB / PCC shall suffice.
- No Red category of industries shall normally be permitted in the ecologically fragile area / protected area.

The purpose of categorization is to ensure that the industry is established in a manner which is consistent with the environmental objectives. The new criteria will prompt industrial sectors willing to adopt cleaner technologies, ultimately resulting in generation of fewer pollutants. Another feature of the new categorization system lies in facilitating self-assessment by industries as the subjectivity of earlier assessment has been eliminated. This 'Re-categorization' is a part of the efforts, policies and objective of present government to create a clean & transparent working environment in the country and promote the Ease of Doing Business.

Other similar efforts include installation of Continuous Online Emissions/ Effluent Monitoring Systems in the polluting industries, Revisiting of the CEPI (Comprehensive Environment Pollution Index) concept for assessment of polluted industrial clusters, Revision of existing industrial Emission/Effluent discharge standards, initiation of special drive on pollution control activities in Ganga River basin and many more in coming future.