



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the earlier Directions issued in June 2012, in the context of categorization of industries as Red, Orange & Green are withdrawn with immediate effect and the following 'Directions' are hereby issued for compliance by all SPCBs and PCCs: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.

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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. Rajind 2/8/2016
For Member Secretary

mb
2/8/2016

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

1. Red Category Industries -87 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-Anne x |
| 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 \geq 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 assembles 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 waste-water 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 | Sewage Treatment Plant | |
| 82 | 1082 | Red | Reclamation/depolymerisation/pyrolysis of plastic/rubber to get oil, carbon black etc | |
| 83 | 1083 | Red | Tyre, tube & rubber components | |
| 84 | 1084 | Red | Analytical & material testing lab | |
| 85 | 1085 | Red | Stone/Savudu Quarries | |
| 86 | 1086 | Red | Infra structure development projects including educational institutions, community hall, kalyanamandapam, IT Park, Theme Park (having wastewater generation more than 100 KLD) | |
| 87 | 1999 | Red | Miscellaneous (Red) | |

NOTE : SI.No.61 to 80 are added to get clarity in CPCB list ,and SI.No.81 to 87 are added based on scoring done by TNPCB

2. Orange Category Industries -100 Nos

| S. 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) | WV-37 |

| | | | | |
|----|------|--------|--|------|
| | | | with painting | |
| 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-66 |
| 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, pelletisating, 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 | |
| 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 | |
| 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 | G-69 |
| 54 | 2054 | Orange | Paint blending and mixing (Ball mill) | |
| 55 | 2055 | Orange | Paints and varnishes (mixing and blending) | |
| 56 | 2056 | Orange | -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 | Teflon 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 | 2074-Pharmaceutical formulation and for R & D purpose | |

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|--|------|--------|---|------|
| | | | (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 processin | |
| 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 | | 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 | | Infrastructure development projects including educastional 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 | 2097 | Orange | Excavation of sand from the river Bed (Excluding manual excavation) | |
| 98 | 2098 | Orange | M-Sand units with or without stone crushers | |
| 99 | 2099 | Orange | Restaurant having rooms and wastewater generation of more than 10 KLD with/without underground sewer system provided with Activated Sludge Process(ASP) | |
| 100 | 2999 | Orange | Miscellaneous (Orange) | |

NOTE : SI.No.84 to 89 are added to get clarity in CPCB list ,and SI.No.90 to 100 are added based on scoring done by TNPCB

3. Green Category Industries -71 Nos

| S. 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 | |
| 38 | 3038 | Green | concrete 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 | R-31 O-38 |
| 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 | 3068 | Green | Stone and granite, cutting, sizing and polishing units | |
| 69 | 3069 | Green | Single Boiled Rice mills using steam boiling with pre-cleaning process | |
| 70 | 3070 | Green | Standalone restaurants using boilers using LPG and having wastewater generation less than 10 KLD with provision of underground sewer system/septic tank with Dispersion trench | |
| 71 | 3999 | Green | Miscellaneous (Green) | |

NOTE: SI.No.64 is added to get clarity in CPCB list ,and SI.No.65 to 71 are added based on scoring done by TNPCB

4. White Category Industries -36 Nos

| S. 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 hosiers 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 betal 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 <25 MW | |
| 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.



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, 22301932, 22304948

ई-मेल / e-mail : cpcb@nic.in 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 :

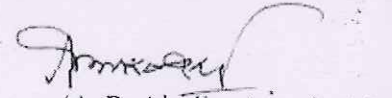
1. That the SPCBs and PCCs shall adopt the Revised Criteria of categorization of industrial sectors as detailed in table nos. F1, F2, F3 and F4 and Revised Lists of Red, Orange, Green and White categories of industrial sectors, presented at table no. G2, G3, G4 and G5 respectively, in the 'Final Report' 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) 7.3.16
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, MPCCB 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.

- | | |
|---|------------------|
| ○ Industrial Sectors having Pollution Index score of 60 and above | - Red category |
| ○ Industrial Sectors having Pollution Index score of 41 to 59 | -Orange category |
| ○ Industrial Sectors having Pollution Index score of 21 to 40 | -Green category |
| ○ 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.