

PUNJAB POLLUTION CONTROL BOARD
 Vatavaran Bhawan, Nabha Road, Patiala

OFFICE ORDER

No. SEE (HQ-2)/F-10 (Vol.II)/ 458

Dated: 29 Sept, 2016

Sub: Revised categorization of industries in view of directions issued by the Central Pollution Control Board under the section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 – Approved by the Board – Order issued.

The Punjab Pollution Control Board in its 145th meeting held on 30.11.2009 & 146th meeting held on 12.1.2010 considered the matter to frame policy guidelines regarding categorization of industries and procedure not only for the purpose of location but also for the purpose of consent management and formulation of norms related to inspection for various categories of industries and categorized the industries into Red, Orange & Green categories vide office order no. GPC/NIP/F-10/2010/4/ dtd.17.02.2010. The industries which are not covered under the list of Red, Orange & Green categories were placed in the list of exempted categories.

Subsequently, in order to Harmonize the "Criteria of categorization" of industries, CPCB vide its letter no. B-29012/1/2012/ESS/1546 dtd. 4.6.2012 issued directions u/s 18(i)(b) of the Water (Prevention & Control of Pollution) Act, 1974 to the State Boards to revise the list of Red, Orange & Green category of industries based on the criteria specified in the report & to submit the same to CPCB.

The Board modified some categories of the industries according to their pollution potential as per the requirement of the State & the final list of industries as Red, Orange & Green along with exempted categories was sent to CPCB vide Boards letter no. 5355 dtd. 5.2.2013 for information. This list was also got published in the industrial policy 2013 of the State Govt. as well as in the policy document of the Board in April, 2013.

Now, the CPCB vide letter No. B-29012/ESS/2015-16/8584, dated 7/3/2016 has issued directions to all the State Pollution Control Boards / Pollution Control Committees under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and under the Air (Prevention & Control of Pollution) 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 (Prevention & Control of Pollution) Act, 1974 and Section 18 (1) (b) Air (Prevention & Control of Pollution) 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.
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/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. "

In compliance to the directions of CPCB, the Board vide its office order no. 339 dated 29.07.2016 has constituted a committee headed by the Member Secretary of the Board to categorize the left out industries which have not been included in the final document of CPCB. The committee in its meeting held on 11.08.2016 has gone through the said final document of CPCB and it was observed that additions of some left out industries needs to be made and also some categories though included in the document but need to

be defined in a simpler way in their respective categories to make it easily understandable. The Committee thus prepared a final list. The final list so prepared was placed before the Board for approval in its 173rd meeting held on 24.8.2016. The Board vide resolution No. 173.08, with some minor changes, approved 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 (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981.

Thus, in supersession of the earlier categorization of industries as published in the Policy document of the Board issued in April, 2013, the final list as approved by the Board enclosed with this order is adopted with immediate effect.

ENCL: List of revised Categorization

Endst. No. 46269-78

Member Secretary

Dated: 3/10/2016

A copy of the above is forwarded through e-mail to the following for information and necessary action:-

- i) The Chief Environmental Engineer, Patiala/Ludhiana/Amritsar/Bathinda, Punjab Pollution Control Board, Patiala.
- ii) The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, PTA-I/II/LDH-I/II/ JAL/ASR/BTI/HQ-1/3, Patiala.
- iii) The Senior Scientific Officer, Punjab Pollution Control Board, Head Office, Patiala.
- iv) The Environmental Engineer, Punjab. Pollution Control Board, Regional Office, PTA/Mohali/LDHI/II/III/IV/Amritsar/HSR/Bathinda/Fatehgarh Sahib /Sangrur/Jalandhar/ Faridkot & Hoshiarpur.
- v) The Environmental Engineer (Computer), Punjab Pollution Control Board, Head Office, Patiala. He is requested to upload the same on the website of the Board.
- vi) The Administrative Officer-II, Punjab Pollution Control Board, Head Office, Patiala

DA/As above

Suman
3/10/16
Sr. Environmental Engineer (HQ-2)

ANNEXURE-H**List of Red, Orange, Green and White category industries as per CPCB Directions****1. Red Category Industries-89 Nos.**

Sr. No.	Type code	Industry sector-Types	Reference
1.	1001	Isolated storage of hazardous chemicals (as per schedule of manufacturing, storage of hazardous chemicals rules ,1989 as amended)	
2.	1002	Automobile Manufacturing (integrated facilities) having either one or combination 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, Annexure
3.	1003	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	Manufacturing of lubricating oils ,grease and petroleum based Products	
5.	1005	DG Set of capacity \geq 5 MVA	
6.	1006	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black	
7.	1007	Lead acid battery manufacturing (excluding assembling and charging of lead acid battery in micro scale)	
8.	1008	Phosphate rock processing plant	
9.	1009	Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)	
10.	1010	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	Processes involving chlorinated hydrocarbons	
12.	1012	Sugar (excluding Khandsari)	
13.	1013	Fibre glass production and processing (excluding moulding) including lead containing glass	
14.	1014	Fire crackers manufacturing and bulk storage facilities	
15.	1015	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	Milk processes and dairy products(integrated project) (Large & Medium scale)	O-24
17.	1017	Phosphorous and its compounds	
18.	1018	Pulp & Paper (waste paper based without bleaching process to manufacture Kraft paper)	
19.	1019	Coke making , liquefaction, coal tar distillation or fuel gas making	
20.	1020	Manufacturing of explosives, detonators, fuses including management and handling activities	
21.	1021	Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)	
22.	1022	Organic Chemicals manufacturing	
23.	1023	Airports and Commercial Air Strips having waste water generation 100 KLD and above	O-84
24.	1024	Asbestos and asbestos based industries	
25.	1025	Basic chemicals and electro chemicals and its derivatives including manufacturing of acid	
26.	1026	Cement	
27.	1027	Chlorates, per-chlorates & peroxides	
28.	1028	Chlorine, fluorine, bromine, iodine and their compounds	
29.	1029	Dyes and Dye- Intermediates	
30.	1030	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	Hotels having overall waste water generation @ 100 KLD and more (or) having rooms 100 and above	O-38
32.	1032	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 s crap/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	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, poly chlorinated	

		biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule	
34.	1034	Manufacturing of glue and gelatin	
35.	1035	Mining and ore beneficiation	
36.	1036	Nuclear power plant	
37.	1037	Pesticides (technical) (excluding formulation)	
38.	1038	Photographic film and its chemicals	
39.	1039	Railway locomotive workshop/Integrated road transport workshop/Authorized service centers having waste water generation 100 KLD and above	O-89
40.	1040	Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and coloring	
41.	1041	Chlor Alkali	
42.	1042	Ship Breaking Industries	
43.	1043	Oil and gas extraction including CBM (offshore & on-shore extraction through drilling wells)	
44.	1044	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	Tanneries	
46.	1046	Ports and harbour, jetties and dredging operations	
47.	1047	Synthetic fibers including rayon, tyre cord, polyester filament yarn	
48.	1048	Thermal Power Plants	
49.	1049	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	Aluminum Smelter	
51.	1051	Copper Smelter	
52.	1052	Fertilizer (basic) (excluding formulation)	
53.	1053	Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units	
54.	1054	Pulp & Paper (waste paper based units with bleaching process to manufacture writing & printing paper)	
55.	1055	Zinc Smelter	
56.	1056	Oil Refinery (mineral Oil or Petro Refineries)	

57.	1057	Petrochemicals Manufacturing (including processing of Emulsions of oil and water)	
58.	1058	Pharmaceuticals	
59.	1059	Pulp & Paper (Large-Agro +wood) , Small Pulp &Paper (agro based-wheat straw/rice husk)	
60.	1060	Distillery (molasses / grain / yeast based)	
61.	1061	Synthetic detergents and soaps (excluding formulation) having waste water generation 100 KLD and above.	O-13
62.	1062	Automobile servicing, repairing and painting (excluding only fuel dispensing) having waste water generation 100 KLD and above.	O-18
63.	1063	Building and construction projects more than 20,000 sq. m built up area and having waste water generation 100 KLD and above.	O-21
64.	1064	Ceramics and Refractories having coal/fuel consumption 12 MT/day and more	O-22
65.	1065	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	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	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	Manufacturing of glass (Lead glass only)	O-45
69.	1069	Non-alcoholic beverages (soft drink) & bottling of alcohol/nonalcoholic products having waste water generation 100 KLD and above.	O-53
70.	1070	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste water generation 100 KLD and above.	O-71
71.	1071	Parboiled Rice Mills having waste water generation 100 KLD and above (or) fuel consumption 12 MTD and above (or) both	O-79
72.	1072	Common treatment and disposal facilities- TSDF	1R

73.	1073	Common treatment and disposal facilities – E-waste recycling	1R
74.	1074	Common treatment and disposal facilities - CBMWTF	1R
75.	1075	Effluent conveyance projects	1R
76.	1076	Common treatment and disposal facilities-Solvent/acid recovery plant	1R
77.	1077	MSW sanitary land fill site	1R
78.	1078	Common treatment and disposal facilities-CETP for Red category Industries	1R
79.	1079	Industrial estates/ parks / complexes/ areas/ export processing zones/ SEZs/ Biotech parks/ leather complex	5R
80.	1080	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	Sewage Treatment Plants	Note- R-1
82.	1082	Pyrolysis Plants	
83.	1083	Tyre, tube & rubber components with boiler	
84.	1084	Analytical & material testing lab	
85.	1085	Industrial inorganic gases namely a) Chemical gases: Acetylene, hydrogen, Chlorine, Flourine, ammonia, Sulphur Dioxide etc. b) Hydro carbon gases: Methane, Ethane, Propane	
86.	1086	Reprocessing of waste oil	
87.	1087	Area/Infrastructure development projects covered under EIA notification	O-2-Annexure & O-91
88.	1088	Sand mining Projects of Category A and B ₁ under EIA notification	O-1-Annexure and O-90
89.	1999	Miscellaneous (Red)	

NOTE: Sl. No. 61 to 80 are added to get clarity in CPCB list, and Sl. No. 81 to 88 are added based on scoring done by Committee of PPCB.

2. **Orange Category Industries-104 Nos.**

Sr. No.	Type code	Industry sector-Types	Reference
1.	2001	Dismantling of rolling stocks (wagons/coaches)	
2.	2002	Bakery and confectionery units with production capacity >1TPD (with ovens/furnaces)/units having production <1TPD with oven/furnace other than electric/gas oven	

3.	2003	Chanachur and laddoo from puffed and beaten rice (muri and shira) using husk fired oven	
4.	2004	Coated electrode manufacturing	
5.	2005	Compact disc computer floppy and cassette manufacturing/Reel Manufacturing	
6.	2006	Flakes from rejected PET bottle	
7.	2007	Food and food processing including fruits and vegetables processing	
8.	2008	Jute processing without dyeing	
9.	2009	Manufacturing of silica gel	
10.	2010	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items	
11.	2011	Printing or etching of glass sheet using hydrofluoric acid	
12.	2012	Silk screen printing, sari printing by wooden blocks	
13.	2013	Synthetic detergents and soaps(excluding formulation) having waste water generation < 100 KLD	R-61
14.	2014	Thermometer manufacturing	
15.	2015	Cotton spinning and weaving (medium and large scale)	
16.	2016	Almirah, Grill Manufacturing (Dry Mechanical Process) with spray painting	W-39
17.	2017	Aluminum & copper extraction from scrap using oil fired furnace (dry process only)	
18.	2018	Automobile servicing, repairing and painting (excluding only fuel dispensing) having waste water generation less than 100 KLD	R-62 W-81
19.	2019	Ayurvedic and homeopathic medicine(with Boiler)	G-2
20.	2020	Brickfields (excluding fly ash brick manufacturing using lime process)	
21.	2021	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	Ceramics and Refractories having coal / fuel consumption less than 12 MT/day	R-64
23.	2023	Coal washeries	
24.	2024	Dairy and dairy products (small scale)	R-16
25.	2025	DG set of capacity >1MVA but < 5MVA	
26.	2026	Dry coal processing, mineral processing, industries involving ore sintering, pelletisating, grinding & pulverization	
27.	2027	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	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	Fertilizer (granulation / formulation /blending only)	
30.	2030	Fish feed, poultry feed and cattle feed	
31.	2031	Fish processing and packing (excluding chilling of fishes)	
32.	2032	Forging of ferrous and non- ferrous metals (using oil and gas fired furnaces)	
33.	2033	Formulation/pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders	
34.	2034	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	Gravure printing, digital printing on flex, vinyl	
36.	2036	Heat treatment using oil fired furnace (without cyaniding)	
37.	2037	Hot mix plants	
38.	2038	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	Ice cream	
40.	2040	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	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	Industry or processes involving foundry operations having capacity < 5 MT/hr as such units require coal/coke at less than 500 Kg/hr	R-67
43.	2043	Lime manufacturing (using lime kiln)	

44.	2044	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing	
45.	2045	Manufacturing of glass (except Lead glass)	R-68
46.	2046	Manufacturing of iodized salt from crude/ raw salt	
47.	2047	Manufacturing of mirror from sheet glass	
48.	2048	Manufacturing of mosquito repellent coil.	
49.	2049	Manufacturing of Starch/Sago	
50.	2050	Mechanized laundry using oil fired boiler	
51.	2051	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	New highway construction projects	
53.	2053	Non-alcoholic beverages (soft drink) & bottling of alcohol/non alcoholic products having waste water generation less than 100 KLD	R-69
54.	2054	Paint blending and mixing (Ball mill)	
55.	2055	Paints and varnishes (mixing and blending)	
56.	2056	Ply-board manufacturing(including Veneer and laminate) with oil fired boiler/ thermic fluid heater(without resin plant)	
57.	2057	Potable alcohol (IMFL) by blending, bottling of alcohol products	
58.	2058	Printing ink manufacturing	
59.	2059	Printing press	
60.	2060	Reprocessing of waste plastic including PVC	
61.	2061	Rolling mill (oil or coal fired) and cold rolling mill	G-40
62.	2062	Spray painting, paint baking, paint shipping	
63.	2063	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	Stone crushers	
65.	2065	Surgical and medical products including prophylactics and latex	
66.	2066	Tephlon based products	

67.	2067	Thermocol manufacturing (with boiler)	
68.	2068	Tobacco products including cigarettes and tobacco/opium processes	
69.	2069	Transformer repairing/ manufacturing (dry process only)	
70.	2070	Tyres and tubes vulcanization/ hot retreading	
71.	2071	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste water generation < 100 KLD	R-70
72.	2072	Wire drawing and wire netting	
73.	2073	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale	
74.	2074	Pharmaceutical formulation and for R & D purpose (For sustained release/ extended release of drugs only and not for commercial purpose)	
75.	2075	Synthetic resins	
76.	2076	Synthetic rubber excluding moulding	
77.	2077	Cashew nut processing	
78.	2078	Coffee seed processing	
79.	2079	Parboiled Rice Mills having waste water generation < 100 KLD and fuel consumption less than 12 MTD	R-71
80.	2080	Foam manufacturing	
81.	2081	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	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	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply	
84.	2084	Airports and Commercial Air Strips having waste water generation < 100 KLD	R-23
85.	2085	Health-care Establishment (as defined in BMW Rules) without incinerator and having total waste water generation less than 100 KLD	R-30

86.	2086	Common treatment and disposal facilities(CETP for Orange category industries)	1R
87.	2087	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying	G-28
88.	2088	Tea processing (with boiler)	G-63
89.	2089	Railway locomotive work shop/Integrated road transport workshop/Authorized service centers having waste water generation < 100 KLD	R-39

LEFT OUT SECTORS IN THE CPCB CATEGORISATION

90.	2090	Sand minding projects of Category B ₂ covered under EIA notification.	O-1-Annexure and R-89
91.	2091	Area/Infrastructure Development Project including educational institutions, community hall, IT Park, Theme park (Not covered under EIA notification 2006)	O-2-Annexure & R-88
92.	2092	Chemical mixing cum storage units	
93.	2093	Pesticides formulation	
94.	2094	Rice Mills (With or without dryer)> 10 TPD	G-39
95.	2095	Marriage Palaces	
96.	2096	Bottling of gases	
97.	2097	Infrastructure development projects not covered under EIA notification.	
98.	2098	Surgical cotton including wet process	
99.	2099	Building and construction project ≤ 20,000 sq. m built up area	O-21
100.	2100	Light Engineering & Fabrication units with spray painting	
101.	2101	Hosiery /Garment manufacturing with washing only (without bleaching and dying) with discharge greater than or equal to 2 KLD	G-67
102.	2102	Tyre, tube & rubber components without boiler and rubber reclaim industry	
103.	2103	Injection moulding of plastic{ only from fresh(virgin) plastic granules and only large & medium scale industry}	G-68
104.	2999	Miscellaneous (Orange)	

NOTE:- Sl. No.84 to 89 are added to get clarity in CPCB list, and Sl. No.90 to 103 are added based on scoring done by the Committee of PPCB.

3. Green Category Industries -70 Nos.

Sr. No.	Type Code	Industry Sector-Types	Reference
1.	3001.	Aluminum utensils from aluminum circles by pressing only (dry mechanical operation)	
2.	3002.	Ayurvedic and homeopathic medicines (without boiler)	O-19
3.	3003.	Bakery /confectionery /sweets products (with production capacity <1TPD (with gas or electrical oven)	
4.	3004.	Bi-axially oriented PP film along with metalizing operations	
5.	3005.	Biomass briquettes (sun drying) without using toxic hazardous wastes	
6.	3006.	Blending of melamine resins & different powder, additives by physical mixing	
7.	3007.	Brass and bell metal utensils manufacturing from circles(dry mechanical operation without re-rolling facility)	
8.	3008.	Candy	
9.	3009.	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)	
10.	3010.	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.	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.	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)	
13.	3013.	Chilling plant, cold storage and ice making	
14.	3014.	Coke briquetting (sun drying)	
15.	3015.	Cotton spinning and weaving (small scale)	
16.	3016.	Dal Mills	
17.	3017.	Decoration of ceramic cups and plates by electric furnace	
18.	3018.	Digital printing on PVC clothes	
19.	3019.	Facility of handling, storage and transportation of food grains in bulk	

20.	3020.	Flour mills (dry process)	
21.	3021.	Glass , ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln	
22.	3022.	Glue from starch (physical mixing) with gas /electrically operated oven /boiler.	
23.	3023.	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.	Heat treatment with any of the new technology like ultrasound probe, induction hardening, ionization beam, gas carburizing etc.	
25.	3025.	Insulation and other coated papers (excluding paper or pipe manufacturing)	
26.	3026.	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)	
27.	3027.	Lubricating oil, greases or petroleum based products (only blending at normal temperature)	
28.	3028.	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying (except coal fired boiler)	O-87
29.	3029.	Oil mill Ghani and extraction (no hydrogenation / refining)	
30.	3030.	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn	
31.	3031.	Phenyl/toilet cleaner formulation and bottling	
32.	3032.	Polythene and plastic processed products manufacturing (virgin plastic)	
33.	3033.	Poultry, Hatchery and Piggery	
34.	3034.	Power looms (without dye and bleaching)	
35.	3035.	Puffed rice (muri) (using gas or electrical heating system)	
36.	3036.	Pulverization of bamboo and scrap wood	
37.	3037.	Ready mix cement concrete	
38.	3038.	Reprocessing of waste cotton	
39.	3039.	Rice mill (Rice hullers only) < 10 TPD	O-94
40.	3040.	Rolling mill (gas / electric fired) and cold rolling mill	O-61

41.	3041.	Rubber goods industry (with gas operated baby boiler)	
42.	3042.	Saw mills	
43.	3043.	Soap manufacturing (hand made without steam boiling / boiler)	
44.	3044.	Spice grinding (upto-20 HP motor)	
45.	3045.	Spice grinding (>20 hp motor)	
46.	3046.	Steel furniture without spray painting	
47.	3047.	Steeping and processing of grains	
48.	3048.	Tyres and tube retreading (without boilers)	
49.	3049.	Chilling plant and ice making without using ammonia	
50.	3050.	CO ₂ recovery	
51.	3051.	Distilled water (without boiler) with electricity as source of heat	
52.	3052.	Hotels (up to 20 rooms and without boilers) and having waste water generation < 10 KLD and no hazardous waste generation	R-31 O-38
53.	3053.	Manufacturing of optical lenses (using electrical furnace)	
54.	3054.	Mineralized water	
55.	3055.	Tamarind powder manufacturing	
56.	3056.	Cutting, sizing and polishing of marble stone	
57.	3057.	Emery powder (fine dust of sand) manufacturing	
58.	3058.	Flyash export, transport & disposal facilities	
59.	3059.	Mineral stack yard / Railway sidings	
60.	3060.	Oil and gas transportation pipeline contains small gas waste power plants upto 5 MW	
61.	3061.	Seasoning of wood in steam heated chamber	
62.	3062.	Synthetic detergent formulation units which are not manufacturing LABSA	
63.	3063.	Tea processing (without boiler)	O-88
64.	3064.	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 Categorization.

65.	3065.	D.G. Sets more than 10 KVA	
66.	3066.	Steam calendaring /zero finishing /centering etc. (without washing process)	
67.	3067.	Hosiery /Garment manufacturing with washing only (without bleaching and dying) with discharge less than 2 KLD and is connected to Public sewer	O-101
68.	3068.	Injection molding of plastic{ only from fresh(virgin) plastic granules and only small scale industry}	O-103
69.	3069.	Stand alone sand / shot blasting with inbuilt bag filter	
70.	3999.	Miscellaneous (Green)	

Note : SI No. 64 is added to get clarity in CPCB list, and SI. No. 65 to 69 are added based on scoring done by the Committee of PPCB.

4. White Categories Industries- 137 Nos.

Sr. No.	Type Code	Industry Sector-Types	Reference
1.	4001.	Assembly of air coolers/conditioners, repairing and servicing	
2.	4002.	Assembly of bicycles ,baby carriages and other small non motorizing vehicles	
3.	4003.	Bailing (hydraulic press)of waste papers	
4.	4004.	Bio fertilizer and bio-pesticides without using inorganic chemicals	
5.	4005.	Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)	
6.	4006.	Blending and packing of tea	
7.	4007.	Block making of printing without foundry (excluding wooden block making)	
8.	4008.	Chalk making from plaster of Paris (only casting without boilers etc. (sun drying /electrical oven)	
9.	4009.	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.	Cotton and woolen hosiery making (Dry process only without any dyeing / washing operation)	
11.	4011.	Diesel pump repairing and servicing (complete mechanical dry process)	

12.	4012.	Electric lamp (bulb) and CFL manufacturing by assembling only	
13.	4013.	Electrical and electronic item assembling (completely dry process)	
14.	4014.	Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)	
15.	4015.	Flavoured betel nuts production/ grinding (completely dry mechanical operations)	
16.	4016.	Fly ash bricks/ block manufacturing	
17.	4017.	Fountain pen manufacturing by assembling only	
18.	4018.	Glass ampules and vials making from glass tubes	
19.	4019.	Glass putty and sealant (by mixing with machine only)	
20.	4020.	Ground nut decorticating	
21.	4021.	Handloom/ carpet weaving (without dying and bleaching operation)	
22.	4022.	Leather cutting and stitching (more than 10 machines and using motor)	
23.	4023.	Manufacturing of coir items from coconut husks	
24.	4024.	Manufacturing of metal caps containers etc	
25.	4025.	Manufacturing of shoe brush and wire brush	
26.	4026.	Medical oxygen	
27.	4027.	Organic and inorganic nutrients (by physical mixing)	
28.	4028.	Organic manure (manual mixing)	
29.	4029.	Packing of powdered milk	
30.	4030.	Paper pins and u clips	
31.	4031.	Repairing of electric motors and generators (dry mechanical process)	
32.	4032.	Rope (plastic and cotton)	
33.	4033.	Scientific and mathematical instrument manufacturing	
34.	4034.	Solar module non conventional energy apparatus manufacturing unit	

35.	4035.	Solar power generation through solar photovoltaic cell, wind power and mini hydel power (less than 25 MW)	
36.	4036.	Surgical and medical products assembling only (not involving effluent / emission generating processes)	

Left out sectors in the CPCB categorization.

37.	4037.	Aggarbatti and cosmetic products manufactured by blending (Dry Process)	
38.	4038.	All types of toys & Doll making electrical without wet process.	
39.	4039.	Almirah, Grill Manufacturing (Dry Mechanical Process) without spray painting	O-16
40.	4040.	Aluminium, Stainless Steel, Brass Vessel marking units having only process, spinning without use of buffing, polishing and pickling, washing, Hot/Cold rolling annealing furnace and anodizing processes	
41.	4041.	Assembling of Door closer and Rings	
42.	4042.	Assembly of air coolers/conditioners repairing and servicing	
43.	4043.	Assembly of Computer, Computer peripherals and Computer Software	
44.	4044.	Atta Chakki and Millet grinding	
45.	4045.	Audio, Video and consumer electronic equipment assembly only	
46.	4046.	Automobile Body building without wet process	
47.	4047.	Automobile Repair Workshop. (without any wet process)	
48.	4048.	Beauty Parlour	
49.	4049.	Bee keeping	
50.	4050.	Belt Fastner units without wet process	
51.	4051.	Bindi making units	
52.	4052.	Bio-gas	
53.	4053.	Biscuits, Pastries, Cakes, Confectionery, Bread, Bakery upto 100 kg/day	
54.	4054.	Black Smithy Shop	
55.	4055.	Printing, Offset Printing	

56.	4056.	Book Binding	
57.	4057.	Brush making units with fibre/plastic wire	
58.	4058.	Candle manufacture	
59.	4059.	Carpentry & furniture units without Seasoning without electrical motor	
60.	4060.	Carpet weaving	
61.	4061.	Chewing Tobacco packing	
62.	4062.	Coated electrode manufacturing	
63.	4063.	Cotton Belts and Tapes/Cotton Niwar etc.	
64.	4064.	Cotton cloth Knitting	
65.	4065.	Cotton quilt and mattresses making	
66.	4066.	Cotton socks-knitting	
67.	4067.	Crown cork making units	
68.	4068.	Dairy farming (Rural Area focal points periphery of ½ K.M)	
69.	4069.	Diesel Generator sets < 10 KVA	
70.	4070.	DPC coating of copper and aluminium were without any wet process	
71.	4071.	Drawing, Surveying and Scientific instrument making with no wet process	
72.	4072.	Dry Grinding of spices	
73.	4073.	Electrical Switches, accessories making and Panel Board without wet process	
74.	4074.	Electrical/electronics testing and measuring instruments without wet process	
75.	4075.	Electronic Components without use of chemicals	
76.	4076.	Embroidery	
77.	4077.	Fabrication units connected with animal drawn vehicles, trailers without any heat treatment, furnace use i.e. with no emissions.	
78.	4078.	Finished leather goods, conversion of finished without wet process.	
79.	4079.	Fish Ponds	

80.	4080.	Floor Polish, Nail Polish, Tooth Powder, Hair Oil, Shampoo and Tooth Paste with blending only	
81.	4081.	Fuel Dispensing only (without Automobile servicing, repairing and painting.	O-18
82.	4082.	Garments manufacturing without wet process.	
83.	4083.	General Wire Industries like wire drawing, barbed wire, Chain links, making units without wet process.	
84.	4084.	Gold/Silver smithy shops with no water or chemical use.	
85.	4085.	Green House/Floriculture under Mechanized process under controlled temperature.	
86.	4086.	Hand Tools without casting.	
87.	4087.	Handicraft.	
88.	4088.	Handlooms without wet process	
89.	4089.	Household appliances and kitchen equipment, without wet process.	
90.	4090.	IT industry as per Board's office order no. GPC/Inf.Tech/F-53/2010/3 dated 16.2.2010 as amended from time to time	
91.	4091.	Jobbing and machining	
92.	4092.	Knitting cloth/Fabrics (Small Scale) Dry process.	
93.	4093.	Lathe and Welding sets (only electrical) without casting.	
94.	4094.	Manufacture of Cement Blocks/Jallies etc.	
95.	4095.	Manufacture of Steel trunks/boxes/drums/Shutters	
96.	4096.	Marketing/Industrial Consultancy/Advertising Agencies	
97.	4097.	Mechanical clock/watches etc.	
98.	4098.	Light Engineering & fabrication units without spray painting (Dry process only)	
99.	4099.	Mfg. of Transformers without poly chlorinated Hydrocarbon	
100.	4100.	Mosaic tiles, cement pipes. Spun pipes manufacturing units	
101.	4101.	Motor and Pump Making without foundry and wet process	
102.	4102.	Mushroom cultivation under controlled conditions/temperature and its compost making	

103.	4103.	Musical instrument with no wet process	
104.	4104.	Non-conventional Energy items	
105.	4105.	Nut cracking & roasting	
106.	4106.	Oil extraction by kohlus or expellers without Boiler	
107.	4107.	Optical Frames and glasses without wet process	
108.	4108.	Orthopedic equipment's without casting/wet process	
109.	4109.	Packing and Processing of items using Mechanized Process	
110.	4110.	Packing of Agricultural/Forest Produce under controlled Temperature (Mechanized Process)	
111.	4111.	Paints and varnishes (mixing and blending) (without ball mill) (without any wet process)	
112.	4112.	Paper Pins, 'U' Clips, pen Holders, pen & paper products without wet process	
113.	4113.	Paper Products without wet process	
114.	4114.	Plastic Niwar from monofilament yarn	
115.	4115.	Polythene Bags from Monofilament Sheets/polythene sheets	
116.	4116.	Powerloom Weaving (Small Scale) Dry process	
117.	4117.	Preparation of Photo identify card by using video camera-laser printing	
118.	4118.	R.C.C Bricks	
119.	4119.	Seed Processing Units/hybrid Seeds- Mechanized process	
120.	4120.	Sericulture units	
121.	4121.	Small restaurants, coffee/Tea shops and Snack Bars	
122.	4122.	Solar Energy Panel makings	
123.	4123.	Spinning (Small Scale) Dry process	
124.	4124.	Sports Goods without leather tanning & other wet process	
125.	4125.	STD Booth/cable T.V Net Work/EPBAX	
126.	4126.	Tailoring Shop as SSSBI	
127.	4127.	Tea Grading and packing	

128.	4128.	Telecommunication equipment without wet process.	
129.	4129.	Typing Centre/Xeroxing	
130.	4130.	Tyre rethreading (only cold processing).	
131.	4131.	Umbrellas, Raincoats, Tarpaulins without wet process	
132.	4132.	Weigh Bridge	
133.	4133.	Weighing machines with no wet process	
134.	4134.	Welding Electrodes	
135.	4135.	Wooden and corrugated Crates and Boxes	
136.	4136.	Zip Fasteners	
137.	4137.	Power press	

Note No.1: The exemption from obtaining consent of the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981 and Hazardous Waste Management Rules, 2016 for the above mentioned 136 White Category of industries, if the unit satisfies the following conditions:-

- i) That the industry is established/being established in the demarcated Industrial Estates/Zones classified by the State Authorities viz PSIEC, Department of Industries, PUDA, CTP under draft Master Plan or in mixed category area or predominantly Industrial areas within Municipal limit of a Town/City after classification of the area by CTP/STP/DTP.
- ii) That the investment of the industry is not more than Rs. 1 Crore on plant and machinery.
- iii) That there will not be any discharge of trade effluent from the industry into stream or well or sewer or onto land and/or that industry will not discharge any air pollution including noise into the atmosphere.
- iv) That the industry will not discharge any toxic/hazardous wastes and will not handle any toxic/hazardous chemical.

In case the industry is found to create conditions that generate any type of pollution or if there is any objection from the surrounding community and if on verification, it is found that such objection has some substance, the Board shall be at liberty to take legal action against the industry under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 or Environment(Protection) Act, 1986 as considered appropriate.

Note No.2: -The industries which falls under white category of industries and have installed DG set of capacity more than 10 KVA and less than 1 MVA, such industries shall obtain consent only for the DG set under green category.

