

**SIKKIM**



**GOVERNMENT**

**GAZETTE**

**EXTRAORDINARY  
PUBLISHED BY AUTHORITY**

**Gangtok**

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**No. 112**

**STATE POLLUTION CONTROL BOARD-SIKKIM  
FORESTS ENVIRONMENT AND WILDLIFE MANAGEMENT DEPARTMENT  
GOVERNMENT OF SIKKIM**

**No:2592/SPCB**

**Date: 27.03.2017**

**NOTIFICATION**

WHEREAS, Central Pollution Control Board, (CPCB) Government of India has issued Direction vide Order no. B-29012/ESS(CPA)/2015-16 dated 07.03.2016 under the provisions of clause (b) of sub-section (1) of Section 18 of the Water (Prevention and Control of Pollution) Act, 1974 and clause (b) of sub-section (1) of Section 18 of the Air (Prevention and Control of Pollution) Act, 1981 to all the State Pollution Control Boards (SPCBs) & Pollution Control Committees (PCCs) to follow a uniform pattern of classification of industries under RED/ GREEN/ ORANGE/WHITE category, which is mandatory and binding upon State Pollution Control Boards;

AND WHEREAS, the revised list of RED/ ORANGE/ GREEN and WHITE category of industrial sectors shall be used by the State Pollution Control Board-Sikkim for Consent Management and inventorization of industries under RED, ORANGE, GREEN and WHITE categories. Siting of industries shall be only in conforming areas;

AND WHEREAS, it has been provided in the final document on revised classification of industrial sectors that there shall be no necessity of obtaining the consent to operate for white category of industries and an intimation to the concerned State Pollution Control Board shall suffice and no RED category of industries shall be permitted in the ecologically sensitive/ protected areas;

AND WHEREAS, it has been stipulated in the final document 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, WHITE industrial sectors shall be done at the level of concerned SPCB by a committee headed by the Member Secretary and two senior cadre Engineers/ Scientists of the State Pollution Control Board following revised criteria and guidelines as detailed in the attached document;

AND WHEREAS, pursuant to the above direction of Central Pollution Control Board and adopting the final document on revised classification of industrial sectors brought out by the Central Pollution Control Board, Delhi, the State Pollution Control Board-Sikkim categorized the industrial sectors incorporating the state specific industrial units;

AND WHEREAS, all application for consideration of "Consent to Establish' and 'Consent to Operate' shall, henceforth, be processed as per revised criteria;

AND WHEREAS, considering the rich biodiversity, ecological sensitivity, environmentally protected areas and unique topography of the State, the consent validity for different categories of industries shall be as follows, namely:-

Sl.No.	Category of industries	Consent Validity
1.	RED	2 years
2.	ORANGE	3 years
3.	GREEN	5 years

Now, therefore with the view to achieve the above objectives, the State Pollution Control Board-Sikkim under the Forest, Environment and Wildlife Management Department, Govt. of Sikkim hereby adopts the revised classification of industries as RED, ORANGE, and WHITE categories of industrial sector as specified in the Schedule I to IV appended herewith for the purpose of Consent Management and inventorization of industries.

(Dr. Thomas Chandy)IFS  
PCCF-cum-Pr. Secretary,  
Forest, Environment & Wildlife Management Department  
Govt. of Sikkim  
File No. 470/SPCB/GOS/2014



## SCHEDULE I

### CATEGORIZATION OF INDUSTRIES

#### RED CATEGORY INDUSTRIES-91 NOs.

Sl. No.	Industrial Sector
1.	Isolated Storage of Hazardous Chemicals ( as per schedule of manufacturing, storage of Hazardous Chemicals Rules, 1989 as amended)
2.	Automobile Manufacturing (integrated facilities) <b>having either one or combination of polluting activities namely washing, metal surface finishing operations, pickling, plating, electroplating, phosphating, painting, heat treatment etc. Heavy Engineering.</b>
3.	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 etc.
4.	Manufacturing of lubricating oils, grease and petroleum based products
5.	DG Set of capacity e"5MVA
6.	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black
7.	Lead acid battery manufacturing (excluding assembling and charging of lead acid battery in micro scale)
8.	Phosphate rock processing plant
9.	Power generation plant [except Wind and Solar renewable power plants of all capabilities and Mini Hydel power plant of capacity <25MW]
10.	Industries engaged in recycling/ reprocessing/ recovery/ reuse of Hazardous Waste under Schedules IV of HW (M, H & TBM) Rules, 2008- Items namely- Spent Catalyst containing nickel, cadmium, Zinc, Copper, Arsenic, Vanadium and Cobalt.
11.	Processes involving chlorinated hydrocarbons
12.	Sugar ( excluding Khandsari)
13.	Fibre Glass Production and processing (excluding moulding)
14.	Fire Crackers manufacturing and bulk Storage facilities
15.	Industries engaged in recycling/ reprocessing/ recovery/ reuse of Hazardous Wastes under Schedule IV of HW (M, H & TBM) Rules, 2008- Items namely- Dismantlers, Recycling Plants- Components of waste electrical and electronic assemblies comprising accumulators and other batteries included on list A, mercury-switches, activated glass cullets from cathode ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule 2 constituents (e.g. Cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazardous characteristics indicated in part C of this Schedule.
16.	Milk processes and dairy products (integrated project)(large & medium scale)
17.	Phosphorous and its compounds



18.	Pulp & paper ( Waste paper based without bleaching process to manufacture kraft paper)
19.	Coke making, liquefaction, coal tar distillation or fuel gas making
20.	Manufacturing of explosives, detonators, fuses including management and handling activities.
21.	Manufacturing of paints varnishes, pigments and intermediate (excluding blending/ mixing)
22.	Organic Chemicals Manufacturing
23.	Airports and Commercial Air Strips
24.	Asbestos and Asbestos based industries
25.	Basic Chemicals and electro chemicals and its derivatives including manufacturing of acid
26.	Cement
27.	Chlorates, per-chlorates & peroxides
28.	Chlorine, Fluorine, bromine, iodine and their compounds
29.	Dyes and Dye-intermediates
30.	Health Care Establishment ( as defined in BMW Rules) <b>having incinerator irrespective of waste generation or having total wastewater generation 100KLD and above</b>
31.	Hotels having overall wastewater generation @ 100KLD and more <b>or having rooms 100 and above</b>
32.	Industries engaged in recycling/ reprocessing/ recovery/ reuse of Hazardous Waste under Schedule IV 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.	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.	Manufacturing of glue and gelatin
35.	Mining and ore beneficiation
36.	Nuclear Power plant
37.	Pesticides (technical) (excluding formulation)
38.	Photographic film and its chemicals



39.	Railway locomotive work shop/ Integrated road transport workshop/ Authorized service centers <b>having wastewater generation 100KLD and above</b>
40.	Yarn/ Textile processing involving any effluent/ emission generating processes including bleaching, dyeing, printing and colouring.
41.	Chlor Alkali
42.	Ship Breaking Industries
43.	Oil and gas extraction including CBM ( offshore & On-Shore extraction through drilling wells
44.	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.	Tanneries
46.	Ports and Harbour, jetties and dredging operations
47.	Synthetic fibers including rayon, tyre cord, polyester filament yarn
48.	Thermal Power Plants
49.	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.	Aluminum Smelter
51.	Copper Smelter
52.	Fertilizer (basic) (excluding formulation)
53.	Iron & Steel (involving processing from ore/ integrated steel plants) and or sponge iron units
54.	Pulp or Paper ( waste paper based units with bleaching process to manufacture writing & printing paper)
55.	Zinc Smelter
56.	Oil Refinery (mineral oil or Petro Refineries)
57.	Petrochemicals Manufacturing (including processing of emulsions of oil and water)
58.	Pharmaceuticals
59.	Pulp & Paper (Large-Agro + wood), Small Pulp & Paper (agro based wheat straw/ rice husk)
60.	Distillery (molasses/ grain/ year based)
61.	<b>Automobile servicing, repairing and painting (excluding only fuel dispensing) having wastewater generation 100KLD and above.</b>
62.	<b>Building and Construction projects having more than 20,000sq.m built up area and having wastewater generation 100KLD and above.</b>
63.	<b>Ceramics and Refractories having coal/fuel consumption 12MT/day and more</b>



64.	Common treatment and disposal facilities (CETP, HWTSDf, E-waste recycling, CBMWTF, effluent conveyance projects, incinerator, solvent/acid recovery plant, MSWMTF sanitary landfill site.
65.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having wastewater generation 100KLD and above.
66.	Ferrous and Non-ferrous metal extraction including Lead extraction involving different furnaces through melting, refining, re-processing, casting and alloy making- Secondary production of Ferrous and Non-ferrous metals more than 1MT/hr production (or) Lead Extraction irrespective of capacity (or) Metal extraction having Induction Furnace clubbed with AOD furnace.
67.	Industry or processes involving foundry operations having capacity of 5MT/hr and more as such units require using coal/coke at more than 500kg/hr.
68.	Industrial estates/ parks/complexes/areas/ export/ processing zones/SEZs/ Biotech parks/leather complex
69.	Lead metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
70.	Manufacturing of glass (lead glass only)
71.	Non-alcoholic beverages (soft drink) & bottling of alcohol/ non-alcoholic products having wastewater generation 100KLD and above.
72.	Parboiled Rice Mills having wastewater generation 100KLD and above (or) fuel consumption 12Metric Tonnes per Day (MTD) and above (or) both
73.	Pharmaceutical R&D activities (For sustained release/ extended release of drugs only and not for commercial purpose)
74.	Synthetic detergents and soaps having wastewater generation 100KLD and above (excluding formulation)
75.	Vegetable oil manufacturing including solvent extraction and refinery/ hydrogenated oils having wastewater generation 100KLD and above.
<b>LEFT OUT SECTORS IN THE CPCB CATEGORIZATION</b>	
76.	Analytical & Material testing lab
77.	Area/Infrastructure/Township development projects or Built up area more than 1.5lakh sq.m covered under EIA Notification
78.	Building and construction project more than 20,000sq.m built up area having wastewater discharge 100KLD and above.
79.	Gold and Silver smithy-purification capacity with acid smelting operation and sulphuric acid polishing operation having more than 1Litre of sulphuric acid/ nitric acid per month.
80.	Industrial or inorganic gases namely (a) chemical gases like acetylene, hydrogen, chlorine, flourine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine (b) hydrocarbon gases like methane, butane, ethane, propane.



81.	Insecticides/ fungicides/ herbicides/ agrochemical formulation.
82.	Laboratory chemicals involving distillation and purification process
83.	Lead manufacturing including smelting
84.	Petroleum products/ crude oil storage and transfer excluding cross country pipeline
85.	Pyrolysis Plants
86.	Recycling of used lead acid batteries
87.	Sewage Treatment Plants
88.	Sand mining projects of Category A and B1 under EIA Notification
89.	Tyre, tube & rubber components with boiler
90.	Water Softening & desalination plant
91.	Any industry/ industrial activity (irrespective of category), having solid fuel fired boiler/ Thermic Fluid Heater (TFH) irrespective of capacity of oil/gas fired boiler >5TPH

**Note: Sl. No. 61 to 75 are added to get clarity in CPCB list and Sl. No. 76 to 91 are added based on the categorization adopted by other SPCBs.**

#### SCHEDULE II

#### ORANGE CATEGORY INDUSTRIES- 118NOs.

Sl. No.	Industrial Sector
1.	Dismantling of rolling stocks (wagons/ coaches)
2.	Bakery and Confectionery units with production capacity > 1TPD. ( with ovens/ furnaces)
3.	Chanachur and laddoo from puffed and beaten rice ( muri and shira) using husk fired oven
4.	Coated electrode manufacturing
5.	Compact disc computer floppy and cassette manufacturing/ Reel manufacturing
6.	Flakes from rejected PET bottle
7.	Food and food processing including fruits and vegetable processing
8.	Jute processing without dyeing
9.	Manufacturing of silica gel
10.	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items
11.	Printing or etching of glass sheet using hydrofluoric acid
12.	Silk Screen printing, sari printing by wooden blocks
13.	Synthetic detergents and soaps (excluding formulation) <b>having wastewater generation less than 100KLDx</b>
14.	Thermometer manufacturing
15.	Cotton spinning and weaving (medium and large scale)
16.	Almirah, Grill Manufacturing (Dry Mechanical Process) <b>with spray painting</b>
17.	Aluminium & Copper extraction from scrap using oil fired furnace (dry process only)



18.	Automobile servicing, repairing and painting (excluding only fuel dispensing <b>wastewater generation less than 100KLD</b>
19.	Ayurvedic and homeopathic medicine ( <b>with Boilers</b> )
20.	Brickfields (excluding fly ash brick manufacturing using lime process)
21.	Building and Construction Project more than 20,000sqm built up area <b>and wastewater generation less than 100KLD</b>
22.	Ceramic s and Refractories <b>having coal/fuel consumption less than 12MT/</b>
23.	Coal Washeries
24.	Dairy and dairy products (small scale)
25.	DG set of capacity > 1MVA but <5MVA
26.	Dry coal processing, mineral processing, industries involving ore s pelletisation, grinding & pulverization.
27.	Fermentation industry including manufacture of yeast, beer, distillation o (Extra Neutral Alcohol) <b>having wastewater generation less than 100KLD</b>
28.	Ferrous and Non-ferrous metal [excluding Lead] extraction involving different through melting, refining, re-processing, casting and alloy-making- <b>Se production of Ferrous and Non-ferrous metals (excluding lead) upto production.</b>
29.	Fertilizer (granulation/ formulation/ blending only)
30.	Fish feed, poultry feed and cattle feed
31.	Fish processing and packing (excluding chilling of fishes)
32.	Forging of ferrous and non-ferrous metals (using oil and gas fired furnaces)
33.	Formulation/ pelletization of camphor tablets, naphthalene balls from c naphthalene powders.
34.	Glass ceramic, earthen potteries and tile manufacturing using oil and gas fir coating on glasses using cerium fluorides and magnesium fluoride etc.
35.	Gravure printing, digital printing on flex, vinyl
36.	Heat treatment using oil fired furnace (without cyaniding)
37.	Hotmix plants
38.	Hotels (<3 star) or hotels having 20 rooms and less than 100 rooms <b>or wastewater generation&gt; 10KLD and less than 100KLD and having a fired boiler</b>
39.	Ice cream
40.	Industries engaged*in recycling/ preprocessing/ recovery/ reuse of Hazardou under Schedule IV of HW (M,H &TBM) Rules, 2008- Items namely Paint sludges/ residues
41.	Industries engaged in recycling/ reprocessing/ recovery/ reuse of. Hazardou under Schedule IV of HW (N, H & TBM) Rules 2008-Items - Brass Dross Dross, Copper Oxide Mill Scale, Copper Byproducts, Cake & Residue, Waste



	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.	Industry or processes involving foundry operations <b>having capacity&lt;5MT/hr as such units require coal/coke at less than 500kg/hr</b>
43.	Lime manufacturing (using lime kiln)
44.	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing
45.	Manufacturing of glass ( <b>except Lead glass</b> )
46.	Manufacturing of iodized salt from crude/raw salt
47.	Manufacturing of mirror from sheet glass
48.	Manufacturing of mosquito repellent coil
49.	Manufacturing of Starch/Sago
50.	Mechanized laundry using oil fired boiler
51.	Modular wooden furniture from particle board, MDF<swan timber etc., Ceiling tiles/partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (with Boiler)
52.	New Highway construction project.
53.	Non-alcoholic beverages (soft drink) & bottling of alcohol/ non alcoholic products <b>having wastewater generation less than 100KLD</b>
54.	Paint blending and mixing (Ball Mill)
55.	Paints and Varnishes (mixing and blending)
56.	Ply-board manufacturing (including Veneer and laminate) with oil fired boiler/ thermic fluid heater (without resin plant)
57.	Potable alcohol (IMFL) by blending, bottling of alcohol products
58.	Printing ink manufacturing
59.	Printing press
60.	Reprocessing of waste plastic including PVC
61.	Rolling mill ( oil or coal fired) and cold rolling mill
62.	Spray painting, paint baking, paint shipping
63.	Steel and steel products using various furnaces like blast furnace/ open hearth furnace/ induction furnace/ arc furnace/ submerged arc furnace/ basic oxygen furnace/ hot rolling reheated furnace
64.	Stone Crushers
65.	Surgical and medical products including prophylactics and latex
66.	Teflon based products
67.	Thermocol manufacturing (with boiler)



68.	Tobacco products including cigarettes and tobacco/ opium processes
69.	Transformer repairing/ manufacturing (dry process only)
70.	Tyres and tubes vulcanization/ hot retreating
71.	Vegetable oil manufacturing including solvent extraction and refinery/ hydrogenated oils <b>having wastewater generation less than 100KLD</b>
72.	Wire drawing and wire netting
73.	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale
74.	Pharmaceutical formulation and for R&D purpose ( for sustained release/ extended release of drugs only and not for commercial purpose)
75.	Synthetic resins
76.	Synthetic rubber excluding molding
77.	Cashew nut processing
78.	Coffee seed processing
79.	Parboiled Rice Mills <b>having wastewater generation less than 100KLD and fuel consumption less than 12MTD</b>
80.	Foam manufacturing [Outdated Raw materials & spoiled slots discarded as Hazardous Waste]
81.	Industries engaged in recycling/ reprocessing/ recovery/ reuse of Hazardous Waste under Schedule IV of HW (M, H & TBN) Rules , 2008- Items namely used oil- as per specifications prescribed from time to time
82.	Industries engaged in recycling/ reprocessing/ recovery/ reuse of Hazardous Waste under Schedule IV of HW (M, H & TBN) Rules , 2008- Items namely Waste oil- as per specifications prescribed from time to time
83.	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refractories for dedicated fuel supply)
84.	<b>Airports and Commercial Air Strips having wastewater generation less than 100KLD</b>
85.	<b>Health Care Establishment (as defined in BMW Rules) without incinerator and having total wastewater generation less than 100KLD</b>
86.	<b>Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying</b>
87.	<b>Railway locomotive work shop/ Integrated road transport workshop/ Authorized service centers having wastewater generation &lt;100KLD</b>
88.	<b>Tea processing with boiler</b>
<b>LEFT OUT SECTORS IN THE CPCB CATEGORIZATION</b>	
89.	Area/infrastructure Development Project including educational institutions, community hall, IT Park, Theme Park (Not covered under EIA Notification 2006) having wastewater generation less than 100KLD
90.	Bottling of gases



91.	Building and construction projects having built up area 20,000Sq.m and less
92.	Cardboards and Millboards
93.	Coal briquetting
94.	Chemical mixing cum storage units
95.	Chilling plant and ice plants using ammonia
96.	Dumping of Ash/Char/Slag/Other Non hazardous industrial waste outside the factory premises (including mine void/ or low lying area filling)
97.	Hosiery/Garment manufacturing with washing only (without bleaching and dying) with discharge greater than or equal to 2KLD
98.	Heavy engineering (investment on plant and machinery d"10 Crore)
99.	Handicraft products like terracotta work, sculptures (plaster of paris and fibre glass)
100.	Infrastructure development projects not covered under EIA Notification.
101.	Injection moulding of plastic [only from fresh (virgin) plastic granules and only large & medium scale industry]
102.	Light Engineering & Fabrication units with spray painting
103.	Marriage Halls/Palaces
104.	Strawboards
105.	Pesticides / Insecticides formulation
106.	Recycling/Pyrolysis plants of waste tyres/tyre scrap
107.	Rice Mills (with or without dryer) > 10TPD
108.	Sand mining projects of Category B2 covered under the EIA Notification 2006
109.	Sports goods manufacturing
110.	Steel furniture, Almirah, Grill Manufacturing (Dry Mechanical process) with spray painting
111.	Surgical cotton including wet process
112.	Tyre, tube & rubber components without boiler and rubber reclaim industry
113.	Waste to Energy plants d" 15MW capacity
114.	Aluminium foils and caps (manufacturing /printing) for packing of pharmaceutical products
115.	Medical equipments and reagents
116.	Bio-Fertilizer and Bio-pesticides
117.	Paint & Ink blending unit
118.	LPG Bottling and Oil Depot

**Note:** Sl. No. 84 to 88 are added to get clarity in CPCB list and Sl. No. 89 to 118 are added based on scoring of the units and the categorization adopted by other SPCBs.



### SCHEDULE III

#### GREEN CATEGORY INDUSTRIES-76NOs.

Sl. no.	Type of industry
1.	Aluminium utensils from aluminium circles by pressing only (dry mechanical operation)
2.	Ayurvedic and homeopathic medicines (without boiler)
3.	Bakery/ confectionery/ sweets products (with production capacity < 1TPD (with gas or electrical oven)
4.	Bi-axially oriented PP film along with metalizing operations
5.	Biomass briquettes (sun drying) without using toxic hazardous wastes.
6.	Blending of melamine resins & different powder, additives by physical mixing
7.	Brass and bell metal utensils manufacturing from circles (dry mechanical operation without re-rolling facility)
8.	Candy
9.	Cardboard or corrugated box and paper products (excluding saw mill) with the help of electrical (motorized) machines such as electrical wood planner, steel saw cutting circular blade etc.
10.	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)
11.	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)
12.	Chilling plant, cold storage and ice making
13.	Coke briquetting (sun drying)
14.	Cotton spinning and weaving (small scale)
15.	Dal Mills
16.	Decoration of ceramic cups and plates by electric furnace
17.	Digital printing on PVC clothes
18.	Facility of handling, storage and transportation of food grains in bulk
19.	Flour mills (dry process)
20.	Glass, ceramic, earthen potteries, tiles and tile manufacturing using electrical kiln or not involving fossil fuel kiln
21.	Glue from starch (physical mixing) with gas/ electrically operated oven/ boiler.
22.	Gold and silver smithy (purification with acid smelting operation and sulphuric acid polishing operation) ( using less or equal to 1Litre of sulphuric acid/nitric acid per month)
23.	Heat treatment with any of the new technology like ultrasound probe, induction beam, gas carburizing etc.



24.	Insulation and other coated papers (excluding paper or pipe manufacturing)
25.	Leather footwear and leather products (excluding tanning and hide processing except cottage scale)
26.	Lubricating oil, grease or petroleum based products (only blending at normal temperature)
27.	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying <b>(except coal fired boiler)</b>
28.	Oil mill Ghani and extraction (no hydrogenation/ refining)
29.	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
30.	Phenyl/ toilet cleaner formulation and bottling
31.	Polythene and plastic processed products manufacturing (virgin plastic)
32.	Poultry, Hatchery and Piggery
33.	Power looms (without dye and bleaching)
34.	Puffed rice (muri) (using gas or electrical heating system)
35.	Pulverization of bamboo and scrap wood
36.	Ready mix cement concrete
37.	Reprocessing of waste cotton
38.	Rice mill (Rice hullers only)
39.	Rolling mill (gas fired) and cold rolling mill
40.	Rubber goods industry (with gas operated baby boiler)
41.	Saw mills
42.	Soap manufacturing (hand made without steam boiling/ boiler)
43.	Spice grinding (upto-20HP motor)
44.	Spice grinding (>20 HP motor)
45.	Steel furniture without spray painting
46.	Steeping and processing of grains
47.	Tyres and tube retreating (without boilers)
48.	Chilling plant and ice making without using ammonia
49.	CO <sub>2</sub> recovery
50.	Distilled water (without boiler) with electricity as source of heat.
51.	Hotels (up to 20 rooms and without boilers) and <b>having wastewater generation less than 10KLD and no hazardous waste generation.</b>
52.	Manufacturing of optical lenses (using electrical furnace)
53.	Mineralized water
54.	Tamarind powder manufacturing
55.	Cutting, sizing and polishing of marble stone



56.	Energy powder (fine dust of sand) manufacturing
57.	Flyash export, transport & disposal facilities
58.	Mineral stack yard/ Railway sidings
59.	Oil and gas transportation pipeline
60.	Seasoning of wood in steam heated chamber
61.	Synthetic detergent formulation units <b>which are not manufacturing LABSA</b>
62.	Tea processing ( with boiler)
63.	<b>Modular wooden furniture from particle board, MDF&lt;swan timber etc., Ceilings tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (without boiler)</b>
64.	<b>Thermocol manufacturing (without boiler)</b>
<b>LEFT OUT SECTORS IN THE CPCB CATEGORIZATION</b>	
65.	Automobile fuel outlets (only dispensing) & Motor Vehicles Washing/Cleaning Unit.
66.	Compressed oxygen gas from crude liquid oxygen with use of any solvents with or without maintaining pressure & temperature for separation of other gases
67.	Crematorium
68.	DG sets (15kVA to 1MVA)
69.	Injection molding of plastic [only from fresh (virgin) plastic granules and only small scale industry]
70.	Hosiery/Garment manufacturing with washing only (without bleaching and dying) with discharge less than 2KLD and is connected to Public Sewer
71.	Light Engineering & Fabrication units with painting
72.	Musical instruments and manufacturing (with wet process)
73.	Raw rice mill (Preboiled)
74.	Stand alone sand/shot blasting with inbuilt bag filter
75.	Steam calendaring/zero finishing/centering etc. (without washing process)
76.	Poly-urethane Foam (PUF) Panel

**Note: Sl. No. 63 to 64 are added to get clarity in CPCB list and Sl. No. 65 to 76 are added based on scoring of the units and the categorization adopted by other SPCBs.**



## SCHEDULE IV

### WHITE CATEGORY INDUSTRIES-43NOs.

Sl. no.	Industrial Sector
1.	Assembly of air coolers/ conditioners, repairing and servicing
2.	Assembly of bicycles, baby carriages and other small non motorizing vehicles
3.	Bailing (hydraulic press) of waste papers
4.	Bio fertilizer and bio-pesticides without using inorganic chemicals
5.	Biscuits trays etc. from rolled PVC sheet (using automatic vacuum forming machines)
6.	Blending and packing of tea
7.	Block making of printing without foundry (excluding wooden block making)
8.	Chalk making from plaster of Paris ( only casting without boilers etc. (sun drying / electrical oven)
9.	Compressed oxygen gas from crude liquid oxygen (without use of any solvents and by maintaining pressure & temperature only for separation of other gases)
10.	Cotton and woolen hosiers making (Dry process only without any dyeing/ washing operation)
11.	Diesel pump repairing and servicing ( complete mechanical dry process)
12.	Electric lamp (bulb) and CFL manufacturing by assembling only
13.	Electrical and electronic item assembling (completely dry process)
14.	Engineering and fabrication units (dry process without any heat treatment/ metal surface finishing operations/ painting)
15.	Flavoured betel nuts production/grinding ( completely dry mechanical operations)
16.	Fly ash bricks/block manufacturing
17.	Fountain pen manufacturing by assembling only
18.	Glass ampoules and vials making from glass tubes
19.	Glass putty and sealant ( by mixing with machine only)
20.	Ground nut decorticating
21.	Handloom/ carpet weaving (without dyeing and bleaching operation)
22.	Leather cutting and stitching (more than 10 machines and using motor)
23.	Manufacturing of coir items from coconut husks
24.	Manufacturing of metal caps containers etc.
25.	Manufacturing of shoe brush and wire brush
26.	Medical oxygen
27.	Organic and inorganic nutrients ( by physical mixing)
28.	Organic manure (manual mixing)



29.	Packing of powdered milk
30.	Paper pins and u clips
31.	Repairing of electric motors and generators (dry mechanical process)
32.	Rope (plastic and cotton)
33.	Scientific and mathematical instrument manufacturing
34.	Solar module non conventional energy apparatus manufacturing unit
35.	Solar power generation through solar photovoltaic cell, wind power and mini hydel power (less than 25MW)
36.	Surgical and medical products assembling only ( not involving effluent/emission generating processes)
<b>LEFT OUT SECTORS IN THE CPCB CATEGORIZATION</b>	
37.	Aggarbatti and cosmetic products manufactured by blending (Dry Process)
38.	Almirah, Grill Manufacturing (Dry Mechanical Process) without spray painting
39.	Beauty Parlour
40.	Bee Keeping
41.	Black smithy shop
42.	Carpet weaving, Handicraft and handloom (without wet process)
43.	Mushroom cultivation under controlled conditions/ temperature and its compost making

**Note: Sl. No. 37 to 43 are added based on the categorization adopted by other SPCBs.**