



**Pollution Control Board, Assam
Bamunimaidam, Guwahati-21**

NOTIFICATION

No. WB/G-1284/16-17/235

Dated Guwahati, the 31st May, 2017

Pursuant to the Central Pollution Control Board directions vide letter No. B29012/ESS(CPA)/2015-16/8521 dtd. 07.03.2016 on adoption of harmonization of the classification of Industrial Sectors under Red / Orange / Green / White categories by all the state Pollution Control Boards in the Country, the list of categorization of industries is hereby notified and appended at **Annexure - I to IV**.

This Notification is subject to post approval of the Board.

— Sd —

Member Secretary (i/c)

Memo WB/G-1284/16-17/235-A,

Dated Guwahati, the 31st May, 2017

Copy to:

527

1. P.A. to the Chairman, PCBA for kind appraisal of the Hon'ble Chairman.
2. The Addl. Chief Engineer, Zone-I / Zone-II, Head Office, PCBA for information & necessary action.
3. The Sr. Env. Engineer, Zone-III / Zone-IV / Zone-V, Head Office, PCBA for information & necessary action.
4. The ACEE / SEE / REE, RO / RLO, Guwahati / Tezpur / Bongaigaon / Silchar / Sivasagar / Dibrugarh / Golaghat / Nagaon, PCBA for information.
5. The EITO, IT Section, Head Office, PCBA for information and necessary action.
6. Notice Board, Head Office / Website (www.pcbassam.org), PCBA.

JK!

Member Secretary (i/c)

JK.

Annexure-I

List of Red category of Industries

S. No.	Industry 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)
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.
4.	Manufacturing of lubricating oils ,grease and petroleum based products
5.	DG Set of capacity > 5 MVA
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 capacities and Mini Hydel power plant of capacity <25MW]
10.	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.	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 Waste under schedule iv of HW(M, H& TBM) Rules, 2008 - Items namely- Dismantlers Recycling Plants --Components of waste electrical and electronic assemblies comprising accumulators and other batteries included on list A, mercury-switches, activated glass cullets from cathode-ray tubes and other activated glass and PCB-capacitors, or any other component contaminated with Schedule 2 constituents (e.g. cadmium, mercury, lead, polychlorinated biphenyl) to an extent that they exhibit hazard characteristics indicated in part C of this Schedule.
16.	Milk processes and dairy products(integrated project)
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

S. No.	Industry Sector
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)
31.	Hotels having overall waste-water generation @ 100 KLD and more.
32.	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.	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
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.	Aluminium Smelter
51.	Copper Smelter

S. No.	Industry Sector
52.	Fertilizer (basic) (excluding formulation)
53.	Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units
54.	Pulp & 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 / yeast based)
61.	other

Annexure-II

List of Orange Category of Industrial Sectors

S. No.	Industry Sector
1.	Dismantling of rolling stocks (wagons/ coaches)
2.	Bakery and confectionery units with production capacity > 1 TPD. (With ovens / furnaces)
3.	Chanachur and ladoo 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)
14.	Thermometer manufacturing
15.	Cotton spinning and weaving (medium and large scale)
16.	Almirah, Grill Manufacturing (Dry Mechanical Process)
17.	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)
18.	Automobile servicing, repairing and painting (excluding only fuel dispensing)
19.	Ayurvedic and homeopathic medicine
20.	Brickfields (excluding fly ash brick manufacturing using lime process)
21.	Building and construction project more than 20,000 sq. m built up area
22.	Ceramics and Refractories
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 sintering, pelletising, grinding & pulverization
27.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol)
28.	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
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 camphor/naphthalene powders.

S. No.	Industry Sector
34.	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, 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.	Hot mix plants
38.	Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms.
39.	Ice cream
40.	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.	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.	Industry or processes involving foundry operations
43.	Lime manufacturing (using lime kiln)
44.	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing
45.	Manufacturing of glass
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
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

S. No.	Industry Sector
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
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
80.	Foam manufacturing
81.	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.	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.	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply)
84.	Others

Annexure-III**List of Green Category of Industrial Sectors**

S. No.	Industry Sector
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 paper or pulp manufacturing and without using boilers)
10.	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.	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.	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)
13.	Chilling plant, cold storage and ice making
14.	Coke briquetting (sun drying)
15.	Cotton spinning and weaving (small scale)
16.	Dal Mills
17.	Decoration of ceramic cups and plates by electric furnace
18.	Digital printing on PVC clothes
19.	Facility of handling, storage and transportation of food grains in bulk
20.	Flour mills (dry process)
21.	Glass, ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln
22.	Glue from starch (physical mixing) with gas / electrically operated oven /boiler.
23.	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.	Heat treatment with any of the new technology like ultrasound probe , induction hardening , ionization beam, gas carburizing etc.
25.	Insulation and other coated papers (excluding paper or pipe manufacturing)
26.	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)
27.	Lubricating oil, greases or petroleum based products (only blending at normal temperature)
28.	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying
29.	Oil mill Ghani and extraction (no hydrogenation / refining)

S. No.	Industry Sector
30.	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
31.	Phenyl/toilet cleaner formulation and bottling
32.	Polythene and plastic processed products manufacturing (virgin plastic)
33.	Poultry, Hatchery and Piggery
34.	Power looms (without dye and bleaching)
35.	Puffed rice (muri) (using gas or electrical heating system)
36.	Pulverization of bamboo and scrap wood
37.	Ready mix cement concrete
38.	Reprocessing of waste cotton
39.	Rice mill (Rice hullers only)
40.	Rolling mill (gas fired) and cold rolling mill
41.	Rubber goods industry (with gas operated baby boiler)
42.	Saw mills
43.	Soap manufacturing (hand made without steam boiling / boiler)
44.	Spice grinding (upto 20 HP motor)
45.	Spice grinding (>20 hp motor)
46.	Steel furniture without spray painting
47.	Steeping and processing of grains
48.	Tyres and tube retreating (without boilers)
49.	Chilling plant and ice making without using ammonia
50.	CO ₂ recovery
51.	Distilled water (without boiler) with electricity as source of heat
52.	Hotels (up to 20 rooms and without boilers)
53.	Manufacturing of optical lenses (using electrical furnace)
54.	Mineralized water
55.	Tamarind powder manufacturing
56.	Cutting, sizing and polishing of marble stone
57.	Emery powder (fine dust of sand) manufacturing
58.	Flyash export, transport & disposal facilities
59.	Mineral stack yard / Railway sidings
60.	Oil and gas transportation pipeline
61.	Seasoning of wood in steam heated chamber
62.	Synthetic detergent formulation
63.	Tea processing (with boiler)
64.	Others

Annexure-IV

List of White Category of Industrial Sectors

Sl. No.	Industry 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 dying / 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 ampules 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 dying and bleaching operation)
22	Leather cutting and stitching (more than 10 machine 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 25 MW)
36	Surgical and medical products assembling only (not involving effluent / emission generating processes)
