



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.

SD
Member Secretary (i/c)

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 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. | 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 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. |
| 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 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) |
| 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, pelletisating, 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 from |
| 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 refractories 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 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 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 dyeing 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) |
