

Jharkhand State Pollution Control Board Government of Jharkhand



DIPP Point No. 91

Question	Remarks
<p>5a. Environmental Registration Enablers</p> <p>Q: Enact a list of green industries applicable for the State</p> <p>URL: http://www.jspcb.org/info/Categorization-of-industries-in-Red-green-orange.pdf</p>	<p>The list attached is as per the categorization of industries prior to the CPCB's notification on revision of categories. However, recently, JSPCB has adopted CPCB's revised category list. A notification to this effect is attached</p>

INDUSTRY CATEGORIZATION

List of Red Category Industries

- 1) Airports and Commercial Strips
- 2) Aluminium Smelter
- 3) Asbestos and asbestos based industries
- 4) Automobiles Manufacturing (integrated facilities)
- 5) Basic chemicals and electro chemical and its derivatives including manufacture of acids
- 6) Ceramic, Refractories
- 7) Cement
- 8) Chlor Alkali
- 9) Chlorates, perchlorates and peroxides
- 10) Chlorine, fluorine, bromine, iodine and their compounds
- 11) Coal Washeries
- 12) Copper Smelter
- 13) Coke making, liquefaction, coal tar distillation or fuel gas making
- 14) Common Treatment and disposal facilities (CETP, TSDF, E-Waste recycling, CBMWTF, Effluent conveyance project, incinerators, Solvent/Acid recovery plant, MSW sanitary land sites, STP)
- 15) Distillery including fermentation industry
- 16) Dyes and Dye-Intermediaries
- 17) Dry coal processing/ mineral processing, industries involving ore sintering, palletisation, grinding, pulverization
- 18) Emulsion of oil and water
- 19) Fermentation industry including manufacture of yeast, beer, distillation of alcohol (ENA)
- 20) Fertilizer (basic) excluding formulation
- 21) Ferrous and non-ferrous metal extraction involving different furnaces through melting, refining, reprocessing, casting and alloy making
- 22) Fibre glass production and processing (Excluding moulding)
- 23) Fire crackers manufacturing and bulk storage facilities
- 24) Flakes from rejected PET bottle
- 25) Fly ash export, transport and disposal facilities
- 26) Healthcare establishment (as defined in BMW rules)
- 27) Heavy engineering including Ship building (with investment on plant and machineries more than Rs 10 crore)
- 28) Hot mix plants
- 29) Hotels (3 star and above) and Hotels having 100 rooms and above

- 30) Hydrocyanic acid and its derivatives
- 31) Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black
- 32) Industrial estates/parks/complexes/areas/export processing zones/SEZs/ Biotech parks/ leather complex
- 33) Industrial inorganic gases namely:
 - a. Chemical gases: Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphide
 - b. Hydrocarbon gases: Methane, ethane, propane
- 34) Industries engaged in recycling/reprocessing/recovery/reuse of hazardous waste under schedule IV of hazardous waste (M, H&TM) rules, 2008 and its amendments
- 35) Industry or process involving foundry operations
- 36) Industry or process involving metal surface treatment or process such as pickling/ plating/ electroplating/paint stripping/heat treatment/phosphating or finishing and anodising/ enamelling/ galvanising
- 37) Iron and steel (involving process from ore/ integrated steel plants and or sponge iron units)
- 38) Isolated storage of hazardous chemicals (as per schedule of Manufacture, storage and import of hazardous chemicals Rules 1989, as amended)
- 39) Lead acid battery manufacturing (excluding assembling and charging of acid lead battery in micro scale (< Rs 25 Lakhs)
- 40) Lime manufacturing (using Lime Kiln)
- 41) Manufacturing of explosives, detonators, fuses including management and handling activities
- 42) Manufacturing of glass
- 43) Manufacturing of Glue and gelatin
- 44) Manufacturing of lubricating oils, greases or petroleum based products
- 45) Manufacturing of paints, varnishes, pigments and intermediate (excluding blending/mixing)
- 46) Manufacture of Starch/saggo
- 47) Milk processing and dairy products (integrated project)
- 48) Mineral stack yards/ Railway sidings
- 49) Mining and ore beneficiation
- 50) New highway construction projects
- 51) Non Alcoholic beverage (soft drink) & bottling if alcoholic/non alcoholic products (capital investment on plant & machinery > Rs 1 crore)
- 52) Nuclear Power plants
- 53) Oil and gas extraction including CBM (offshore & onshore extraction through drilling wells)
- 54) Oil and gas transportation pipeline
- 55) Oil refinery (Mineral Oil or Petro Refineries)

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List of Green
Category
industries

List of Green Category Industries

- 56) Organic Chemicals manufacturing
- 57) Parboiled rice mills (more than 10 TPD)
- 58) Pesticides (Technical) excluding formulation
- 59) Petrochemicals (Manufacture of and not merely use of as raw material)
- 60) Pharmaceuticals (excluding formulation)
- 61) Pulp and paper (paper manufacturing with or without pulping)
- 62) Phosphate rock processing plant
- 63) Phosphorous and its compounds
- 64) Photographic films and its chemicals
- 65) Ports & Harbours, jetties and dredging operations
- 66) Power generation plants (except wind, solar and mini hydel power plants of capacity <25 MW) and DG sets of capacity >5 MVA
- 67) Processes involving chlorinated hydrocarbons
- 68) Railway Locomotive workshops /integrated Road Transport workshop/ authorized service centres
- 69) Reprocessing of used oils and waste oils
- 70) Ship breaking activities
- 71) Slaughter houses(as per notification S.O. 270(E) dated 26.03.2001) and meat processing industries, bone mill, processing of animal horns, hoofs and other body parts
- 72) Steel and steel products using various furnaces like blast furnaces/ open hearth furnace/ induction furnace/ arc furnace/ submerged arc furnace / basic oxygen furnace/ hot rolling using reheating furnaces
- 73) Stone crushers
- 74) Sugar (excluding khandsari)
- 75) Surgical and medical products involving prophylactics and latex
- 76) Synthetic detergents and soaps (excluding formulation)
- 77) Synthetic fibres including rayon, tyre cord, polyester filament yarn
- 78) Synthetic resins
- 79) Synthetic rubber excluding molding
- 80) Tanneries
- 81) Thermal power plants
- 82) Tobacco products including cigarettes and tobacco/ opium processing
- 83) Vegetable oils including solvent extraction and refinery/ hydrogenated oils
- 84) Yarn/ textile processing involving any effluent/emission generating process, bleaching, dyeing, printing and scouring
- 85) Zinc Smelter

Any Industry/Industrial activity which is not covered in above list having coal fired boiler with steam generation capacity more than 5 T/hr will be covered under red Category

- 1) Assembling of Acid lead battery (upto 10 batteries per day excluding lead plate casting)
- 2) Aluminium utensils from aluminium circles
- 3) Assembly of air coolers/conditioners, repairing and servicing
- 4) Assembly of bicycles, baby carriage and other small non-motorised vehicles
- 5) Automobile fuel outlet (only dispensing)
- 6) Ayurvedic and Homeopathic medicine (without boiler)
- 7) Baling (hydraulic press) of waste papers
- 8) Bakery/Confectionery/Sweets production (with production capacity < 1tpd with oil, gas or electrical oven)
- 9) Bio fertilizer & bio-pesticide without using inorganic chemicals
- 10) Biomass Briquettes (sun drying) without using toxic or hazardous wastes
- 11) Biscuit trays etc. from rolled PVC sheet (using automatic vacuum forming machine)
- 12) Blending and packaging of Tea
- 13) Blending of melamine resins & different powder, additives by physical mixing
- 14) Block making for printing without foundry (excluding wooden block making)
- 15) Brass & Bell metal utensils manufacturing from circle (without re-rolling facility)
- 16) Candy
- 17) Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boiler)
- 18) Carpentry and wooden furniture manufacturing (excluding saw mill) with the help of electrical (motorized) machines such as electric wood planner, steel saw cutting circular blade etc
- 19) Cement products (without using Asbestos) like pipe, pillar, jafri, well ring, blocks/tiles etc. (should be done under closed covered shed to control fugitive emissions)
- 20) Ceramic colour manufacturing (not using boiler and wastewater recycling process)
- 21) Chalk making from plaster of paris
- 22) Chilling plant and Ice making without use of ammonia
- 23) Coated electrode manufacturing
- 24) Compact disc, computer floppy & cassette manufacturing
- 25) Compressed oxygen gas from crude liquid oxygen
- 26) CO2 recovery

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- 27) Cotton and woolen hosiery making (SSI & Cottage industries)
- 28) Cotton spinning & weaving (small scale)
- 29) Decoration of ceramic cups & plates by electric furnace
- 30) Diesel Generator sets (15 KVA to 1 MVA)
- 31) Diesel pump repairing & servicing
- 32) Distilled water
- 33) Electric lamp (bulb) manufacturing (small scale)
- 34) Electrical & electronic items assembling
- 35) Flavoured bottle nut production/grinding
- 36) Flour mills (dry process)
- 37) Fly ash bricks/blocks manufacturing
- 38) Fountain pen manufacturing
- 39) Glass ampules & vials making from glass tubes
- 40) Glass Putty and sealant
- 41) Glass, ceramic, earthen potteries and tile manufacturing using electrical kiln or not involving fossil fuel kilns
- 42) Gold and Silver smithy (purification with acid, smelting operation and Sulfuric acid polishing operation) (using less than or equal to 1 litre of Sulphuric Acid / Nitric Acid per month)
- 43) Groundnut decorticating (dry)
- 44) Handloom/ Carpet weaving (without dyeing and bleaching operation)
- 45) Hotels (upto 20 rooms)
- 46) Insulation and other coated papers (excluding paper or pulp manufacturing) manufacturing
- 47) Jobbing and Machining
- 48) Leather cutting and stitching (more than 10 machines and using motor)
- 49) Leather footwear and leather products (excluding tanning and hide processing) (except cottage scale)
- 50) Lubricating oils, greases or petroleum based products (only blending at normal temperature)
- 51) Manufacturing of coir items from coconut husk
- 52) Manufacturing of metal caps, containers etc
- 53) Manufacturing of optical lenses (using electrical furnace)
- 54) Manufacturing of pasted veneers without using boiler or Thermic Fluid Heater or by sundrying
- 55) Manufacturing of shoe brush & wire brush
- 56) Manufacturing of silica gel (without furnace)
- 57) Medical oxygen
- 58) Mineralized Water
- 59) Oil mill ghani & extraction (no hydrogenation/refining)
- 60) Organic and inorganic nutrients (by physical mixing)
- 61) Organic manure (manual mixing)

- 62) Paints and varnishes (mixing and blending) (without ball mill)
- 63) Packing of powdered milk
- 64) Paper pins and U-clips
- 65) Phenyl/ Toilet cleaner formulation & Bottling
- 66) Reel manufacturing
- 67) Polythene & plastic processed products manufacturing (virgin plastics)
- 68) Poultry, hatchery, piggery
- 69) Power looms (without dyeing and/bleaching)
- 70) Printing press
- 71) Puffed rice (muri) (using oil, gas or electrical heating system)
- 72) Ready mix cement concrete
- 73) Reprocessing of waste cotton
- 74) Rope (Cotton & Plastic)
- 75) Rubber goods industry (with baby boiler only)
- 76) Scientific and mathematical instruments manufacturing
- 77) Soap manufacturing (Handmade without steam boiling)
- 78) Solar module (Non-conventional energy apparatus) manufacturing unit
- 79) Solar power generation through photovoltaic cell, wind power & mini hydel power (< 25 MW)
- 80) Spice minding (< 20 HP motor)
- 81) Steel furniture without spray painting
- 82) Steeping and processing of grains
- 83) Surgical and medical products not involving effluent/emission generating processes
- 84) Synthetic detergent formulation
- 85) Teflon based products
- 86) Tyres and tubes retreading (without boiler)

List of Orange Category Industries

- 1) Almirah, Grill Manufacturing
- 2) Aluminium and copper extraction from scrap using oil fired furnace
- 3) Automobile servicing, repairing and painting (excluding only fuel dispensing)
- 4) Ayuradic and Homeopathic medicine
- 5) Bakery & confectionery units with production capacity >1 tpd
- 6) Biaxially oriented PP film along with metalising operation
- 7) Brickfields (excluding fly ash brick manufacturing using lime process)
- 8) Building & construction projects more than 20,000 Sq. mtr built up area
- 9) Cashew nut processing
- 10) Chanachur and laddoo from puffed and beaten rice (muri and chira using husk fired oven)

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- 11) Chilling plant, cold storage and Ice making
- 12) Coffee seed processing
- 13) Coke briquetting (sun drying)
- 14) Cotton spinning and weaving (medium and large scale)
- 15) Cutting, sizing and polishing of Marble stones
- 16) Dairy and dairy products (small scale) (capital investment on plant & machinery < Rs 1 crore)
- 17) Dal mills
- 18) DG Sets of capacity >1 MVA but <5 MVA
- 19) Digital printing on PVC cloth
- 20) Dismantling of rolling stocks (wagons/coaches)
- 21) Dry cell battery (excluding manufacturing of electrodes) & assembling and charging of acid lead battery in micro scale (< Rs 25 Lakhs)
- 22) Emery powder (fine dust of sand) manufacturing
- 23) Engineering and fabrication units (With investment on Plant & Machinery < Rs 10 Crores)
- 24) Excavation of sand from the river bed (excluding manual excavation)
- 25) Facility of handling ,storage and transportation of food grains in bulk
- 26) Fertiliser (granulation and formulation only)
- 27) Fish feed, poultry feed and cattle feed
- 28) Fish processing and packaging (excluding chilling of fish)
- 29) Foam manufacturing
- 30) Food & food processing including fruits & vegetable processing
- 31) Forging of ferrous & non-ferrous metal (using oil or gas fired boilers)
- 32) Formulation/palletization of camphor tablets, naphthalene balls from camphor/naphthalene powders
- 33) Glass, ceramic, earthen potteries and tile manufacturing using oil or gas fired kiln, Coating on glasses using cerium fluoride, magnesium fluoride etc
- 34) glue from starch (physical mixing)
- 35) Gravure printing, digital printing on flex, vinyl
- 36) Heat treatment using oil fired furnace (excluding cyaniding)
- 37) Hotels (Less than 3 star) or hotels having > 20 rooms and less than 100 rooms
- 38) Ice cream
- 39) Infrastructure development project
- 40) Jute processing without dyeing
- 41) Liquid floor cleaner, black phenyl, liquid soap, glyserol monostearate manufacturing
- 42) Manufacture of mirror from sheet glass
- 43) Manufacturing of iodized salt from crude/raw salt
- 44) Manufacturing of mosquito repellent coil
- 45) Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items
- 46) Mechanized laundry using oil fired boiler
- 47) Modular wooden furniture from particle board, MDF, swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips etc. & other agricultural waste using synthetic adhesive resin, wooden box making
- 48) Packing materials manufacturing from non-asbestos fibre, vegetable fibre yarn
- 49) Paint blending & mixing (Ball mill)
- 50) Pharmaceutical formulation and for R&D purpose(for sustained release/extended release of drugs only and not for commercial purpose)
- 51) Plyboard manufacturing (including veneer & laminate) with oil fired boiler/thermic fluid heater (without resin plant)
- 52) Potable alcohol (IMFL) by blending, bottling of alcoholic products (capital investment on plant & machinery < r 1 crore)
- 53) Power press
- 54) Printing ink manufacturing
- 55) Printing or etching of glass sheet using hydrofluoric acid
- 56) Producer gas plant using conventional up-drift coal gasification (linked to rolling mills, glass and ceramic industry, refractories for dedicated fuel supply)
- 57) Pulverisation of bamboo and scrap wood
- 58) Repairing of electric motor & generator
- 59) Reprocessing of waste plastic (excluding PVC)
- 60) Rice mill less than 10 TPD & rice hullers
- 61) Rolling Mill (oil or gas fired) and cold Rolling mill
- 62) Saw mill
- 63) Seasoning of wood in steam heated chamber
- 64) Silk screen printing, Saree printing by wooden blocks
- 65) Spice grinding (> 20 HP motor)
- 66) Spray painting, paint baking, paint stripping
- 67) Tamarind powder manufacturing
- 68) Tea processing
- 69) Thermocol manufacturing
- 70) Thermometer making
- 71) Transformer repairing/manufacturing
- 72) Tyres and tubes vulcanization/hot retreading
- 73) Wire drawing & Wire netting

SUPPORTING DOCUMENT



JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004

Phone.:2400852, 2400851, Fax:0651-2400850

Notification No. B-04.....

Ranchi, Date: 31/3/16

NOTIFICATION

In pursuance of the **letter no. B-29012/ESS(CPA)/2015-16/8574, dated March 07, 2016** of the Central Pollution Control Board regarding harmonization of classification of industrial sectors under Red/Orange/Green and White categories, the Jharkhand State Pollution Control Board hereby adopts the said classification. The details of the classification of industries are attached herewith.

This order is issued in supersession of Notification No. B-01 dated 01.01.2013 of the Jharkhand State Pollution Control Board and will come into force with effect from 1st April, 2016.

Sd/-

(Sanjay Kumar Suman)

Member Secretary

Memo No. B-2436.....

Copy to : Chairman/Member Secretary, Central Pollution Control Board, Delhi for information and necessary action.

Ranchi, Dated: 31/3/16

Sd/-

(Sanjay Kumar Suman)

Member Secretary

Memo No. B-2436.....

Copy to : Additional Chief Secretary, Department of Industries, Mines & Geology, Govt. of Jharkhand/
Principal Secretary, Forest, Environment and Climate Change, Govt. of Jharkhand/
Conservator of Forest, Jharkhand for information and necessary action.

Ranchi, Dated: 31/3/16

Sd/-

(Sanjay Kumar Suman)

Member Secretary

Memo No. B-2436.....

Copy to : Director, Industries, Govt. of Jharkhand/Director, Mines, Govt. of Jharkhand/
Secretary, SIEAA, Jharkhand for information and necessary action.

Ranchi, Dated: 31/3/16

Sd/-

(Sanjay Kumar Suman)

Member Secretary

Memo No. B-2436.....

Copy to : Section Head, Head Office/All R.O's/Board Analyst for information and necessary action.

Ranchi, Dated: 31/3/16

(Sanjay Kumar Suman)

Member Secretary



झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

JHARKHAND STATE POLLUTION CONTROL BOARD

T.A Division Building (Ground Floor) HEC Campus, Dhurwa, Ranchi- 834004.

Phone No:-0651- 2400852, 2400851, Fax No:- 2400850.

Ref. No. B-205

Ranchi, dated. 03/05/16

Notification

In pursuance of letter no. B- 29012/ESS (CPA)/2015-16/8574, dated March 7, 2016 of the Central Pollution Control Board, classification of Industrial sectors under Red/Orange/Green and White categories was notified vide Notification no. B-04, dated 31.03.2016 of the Jharkhand State Pollution Control Board.

2. The industrial sectors falling under **Orange Category** are further classified into two sub categories based on the **Pollution Index Score** :-

High risk category:- Industrial sectors having Pollution Index Score of 50 to 59;

Low risk category:- Industrial sectors having Pollution Index Score of 41 to 49;

3. The details of the industrial sectors falling under these sub categories are given at **Attachment I and II**, respectively.

4. This will come into force with immediate effect.

Sd/-

(Sanjay Kumar Suman)

Member Secretary 03/05/16

B-2782

Copy to:-Principal Secretary, Department of Forest, Environment and Climate Change, Jharkhand, Ranchi/ Director, Industries, Jharkhand, Ranchi for information.

Sd/-

(Sanjay Kumar Suman)

Member Secretary 03/05/16

B-2782

Copy to:- All Regional Officers/ All Section Head for information and necessary action.

(Sanjay Kumar Suman)

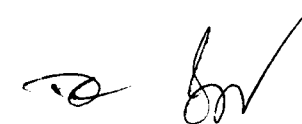
Member Secretary

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Attachment -I High Risk - Orange Category of Industrial Sectors

Sl.No.	Industry Sector	Pollution Index Score							W+A+H
		W1	W2	W	A1	A2	A	H	
1.	Almirah, Grill Manufacturing (Dry Mechanical Process)	--	--	--	20	--	20	--	50
2.	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)	--	--	--	20	--	20	10	50
3.	Automobile servicing, repairing and painting (excluding only fuel dispensing)	20	--	20	20	--	20	10	50
4.	Ayurvedic and homeopathic medicine	20	--	20	15	--	15	15	50
5.	Brick fields (excluding fly ash brick manufacturing using lime process)	--	--	--	20	--	20	--	50
6.	Building and construction project more than 20,000 sq.m built up area	20	--	20	20	--	20	--	50
7.	Ceramics and Refractories	-	-	-	20	-	20	-	50
8.	Coal washeries	15	10	25	15	-	15	-	50
9.	Dairy and dairy products (small scale)	20	--	20	20	--	20	--	50
10.	DG set of capacity > 1MVA but <5 MVA	--	--	--	20	--	20	--	50
11.	Dry coal processing, mineral processing, industries involving ore sintering, pelletisating, grinding & pulverization	-	-	-	20	-	20	-	50
12.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol)	20	-	20	-	-	-	-	50
13.	Ferrous and Non-ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making	-	-	-	15	5	20	10	50
14.	Fertilizer (granulation/ formulation/ blending only)	--	--	--	20	--	20	--	50
15.	Fish feed, poultry feed and cattle feed	--	--	--	20	--	20	--	50
16.	Fish processing and packing (excluding chilling of fishes)	20	--	20	--	--	--	--	50
17.	Forging of ferrous and non-ferrous metals (using oil and gas fired furnaces)	--	--	--	20	--	20	--	50




Sl.No.	Industry Sector	Pollution Index Score							W+A+H
		W1	W2	W	A1	A2	A	H	
18.	Formulation/ pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders.	--	--	--	20	--	20	--	50
19.	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride etc.	--	--	--	20	--	20	--	50
20.	Gravure printing, digital printing on flex, vinyl	20	--	20	20	--	20	10	50
21.	Heat treatment using oil fired furnace (without cyaniding)	--	--	--	20	--	20	--	50
22.	Hot mix plants	-	-	-	20	-	20	-	50
23.	Hotels (<3 star) or hotel shaving >20 rooms and less than 100 rooms.	20	--	20	20	--	20	--	50
24.	Ice cream	20	--	20	20	--	20	--	50
25.	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	-	-	-	20	0	20	0	50
26.	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,,	10	-	10	20	-	20	10	50
27.	Industry or processes involving foundry operations	-	-	-	20	-	20	-	50
28.	Lime manufacturing (using lime kiln)	-	-	-	20	-	20	-	50
29.	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing	20	--	20	20	--	20	--	50

Sl.No.	Industry Sector	Pollution Index Score							
		W1	W2	W	A1	A2	A	H	W+A+H
30.	Manufacturing of glass	10	-	-	20	-	20	-	50
31.	Manufacturing of iodized salt from crude/raw salt	12	--	12	20	--	20	--	50
32.	Manufacturing of mirror from sheet glass	--	--	--	20	--	20	--	50
33.	Manufacturing of mosquito repellent coil	--	--	--	20	--	20	--	50
34.	Manufacturing of Starch/ Sago	25	-	25	15	-	15	-	50
35.	Mechanized laundry using oil fired boiler	20	--	20	20	--	20	--	50
36.	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)	--	--	--	20	--	20	--	50
37.	New high way construction project	-	-	-	20	-	20	-	50
38.	Non-alcoholic beverages (soft drink) & bottling of alcohol/ non alcoholic products	20	-	20	15	5	20	-	50
39.	Paint blending and mixing (Ball mill)	20	--	20	20	--	20	10	50
40.	Paint sand varnishes (mixing and blending)	20	0	0	20	0	20	0	50
41.	Ply-board manufacturing (including Veneer and laminate) with oil fired boiler/ thermic fluid heater (without resin plant)	0	--	0	20	--	20	--	50
42.	Potable alcohol (IMFL)by blending, bottling of alcohol products	20	--	20	--	--	--	--	50
43.	Printing ink manufacturing	20	--	20	20	--	20	--	50
44.	Printing press	20	0	20	20	0	20	0	50
45.	Reprocessing of waste plastic including PVC	20	--	20	20	--	20	--	50
46.	Rolling mill (oil or coal fired) and cold rolling mill	10	--	10	20	--	20	--	50
47.	Spray painting, paint baking, paint shipping	--	--	--	20	--	20	10	50

Sl.No.	Industry Sector	Pollution Index Score							
		W1	W2	W	A1	A2	A	H	W+A+H
48.	Steel and steel products using various furnaces like blast furnace /open hearth furnace/ induction furnace/arc furnace/sub merged arc furnace/basic oxygen furnace /hot rolling reheated furnace	10	-	10	20	-	20	10	50
49.	Stone crushers	-	-	-	20	-	20	-	50
50.	Surgical and medical products including prophylactics and latex	20	-	20	20	-	20	-	50
51.	Tephlon based products	0	0	0	20	0	20	0	50
52.	Thermocol manufacturing (with boiler)	--	--	--	20	--	20	--	50
53.	Tobacco products including cigarettes and tobacco/opium processes	20	-	20	20	-	20	-	50
54.	Transformer repairing/manufacturing(dry process only)	--	--	--	20	--	20	10	50
55.	Tyres and tubes vulcanization/ hot retreating	10	--	10	20	--	20	--	50
56.	Vegetable oil manufacturing including solvent extraction and refinery/ hydrogenated oils	20	-	20	15	5	20	10	50
57.	Wire drawing and wire netting	20	--	20	--	--	--	--	50
58.	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale	30	--	30	15	--	15	10	55
59.	Pharmaceutical formulation and for R & D purpose (For sustained release/ extended release of drugs only and not for commercial purpose)	20	--	20	20	--	20	15	55
60.	Synthetic resins	20	-	20	20	-	20	15	55
61.	Synthetic rubber excluding molding	20	-	20	20	-	20	15	55
62.	Cashew nut processing	25	--	25	20	--	20	--	56

Sl.No.	Industry Sector	Pollution Index Score							W+A+H
		W1	W2	W	A1	A2	A	H	
63.	Coffee seed processing	25	--	25	20	--	20	--	56
64.	Parboiled Rice Mills	25	-	25	20	-	20	-	56
65.	Foam manufacturing	--	--	--	20	--	20	15	58
66.	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.	10	0	10	20	0	20	15	58.33
67.	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.	-	-	-	20	0	20	15	58.33
68.	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply)	--	--	--	20	--	20	15	58.33

- W1 : Score based on types of expected criteria water-pollutants present in industrial processes waste waters.
- W2 : Score based on huge discharges of any kind (Penalty Clause)
- W : Overall Water Pollution Score (W1+W2)
- A1 : Score based on types of expected criteria Air Pollutants present in the emissions.
- A2 : Score based on consumption of fuels and technologies required for air pollution control.
- A : Overall Air Pollution Score (A1+A2)
- H : Types of Hazardous Waste Generated as per Schedule 1/Schedule 2 of Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008


 (Sanjay Kumar Suman)
 Member Secretary

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Attachment -II Low Risk-Orange Category of Industrial Sectors

Sl.No.	Industry Sector	Pollution Index Score							W+A+H
		W1	W2	W	A1	A2	A	H	
1.	Dismantling of rolling stocks (wagons / coaches)	--	--	--	15	--	15	10	41.67
2.	Bakery and confectionery units with production capacity >1TPD. (With ovens/ furnaces)	20	--	20	15	--	15	--	43.75
3.	Chanachur and laddoo from puffed and beaten rice (muri and shira) using husk fired oven	20	--	20	15	--	15	--	43.75
4.	Coated electrode manufacturing	15	0	15	20	0	20	0	43.75
5.	Compact disc computer floppy and cassette manufacturing / Reel manufacturing	15	0	15	20	0	20	0	43.75
6.	Flakes from rejected PET bottle	20	-	20	15	-	15	-	43.75
7.	Food and food processing including fruits and vegetable processing	20	--	20	15	--	15	--	43.75
8.	Jute processing without dyeing	20	--	20	15	--	15	--	43.75
9.	Manufacturing of silica gel	15	0	15	20	0	20	0	43.75
10.	Manufacturing of tooth powder, tooth paste, talcum powder and other cosmetic items	20	--	20	15	--	15	--	43.75
11.	Printing or etching of glass sheet using hydro fluorid acid	15	--	15	20	--	20	--	43.75
12.	Silk screen printing, sari printing by wooden blocks	20	--	20	15	--	15	--	43.75
13.	Synthetic detergents and soaps (excluding formulation)	20	-	20	15	-	15	-	43.75
14.	Thermometer manufacturing	15	--	15	20	--	20	--	43.75
15.	Cotton spinning and weaving (medium and large scale)	--	--	--	15	--	37.5	10	47.5

W1 : Score based on types of expected criteria water-pollutants present in industrial processes waste waters.

W2 : Score based on huge discharges of any kind (Penalty Clause)

W : Overall Water Pollution Score (W1+W2)

A1 : Score based on types of expected criteria Air Pollutants present in the emissions.

A2 : Score based on consumption of fuels and technologies required for air pollution control.

A : Overall Air Pollution Score (A1+A2)

H : Types of Hazardous Waste Generated as per Schedule 1/Schedule 2 of Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008


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 Member Secretary

