

## RED CATEGORY

Sl.No.	Activity
1	Isolated storage of hazardous chemicals (as per schedule of manufacturing, storage of hazardous chemicals rules, 1989 as amended)
2	Automobile manufacturing (integrated facilities) and heavy engineering including ship building (with investment on plant and machinery >10 crores)
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 (including grinding)
9	Power generation plant (including Waste to Energy plants >15 MW capacity which attract provisions of EIA Notification, 2006 as amended) [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25 MW] (Other than Thermal Power Plants)
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 [including rigid PVC pipe manufacturing]
12	Sugar (excluding Khandsari)
13	Fibre glass production and processing (excluding moulding) [including glass wool and rock wool production, manufacturing of mica based electrical insulating products using thinners/solvents]
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 [including manufacturing of safety match]
21	Manufacturing of paints varnishes, pigments and intermediate (excluding blending

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	/ mixing)
22	Organic Chemicals manufacturing [including phenolic products, rubber chemicals]
23	Airports and Commercial Air Strips (waste water generation >100 KLD.)
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) for waste water generation >100 KLD or with incinerator or both
31	Hotels (3 star and above) and hotels having $\geq 100$ rooms or waste-water generation $\geq 100$ KLD
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 [excluding glue from starch and including manufacturing of synthetic adhesives, shellac processing, rubber based adhesives, industrial adhesives using paraffin wax and resin powder (for polishing leather goods, shoes etc.)]
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 / service centers having waste-water generation $\geq 100$ KLD
40	Yarn / Textile processing involving any effluent / emission generating processes including bleaching, dyeing, printing and colouring [including composite woolen mill, dewaxing of raw wool and raw silk, manufacturing of woolen blanket from woolen fibre]
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 /

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	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 [including natural fibre, raw wool, raw silk, cellophane paper, cellulose nitrate]
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
52	Fertilizer (basic) (excluding formulation / granulation / blending only)
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 (Basic Drugs) and related R & D
59	Pulp & Paper (Large-Agro & wood), Small Pulp & Paper (agro based-wheat straw / rice husk) [including straw board, grey board, duplex board and de-inking, bleaching activity]
60	Distillery (molasses / grain / yeast based) including Fermentation industry with waste water generation $\geq 100$ KLD (including blending, bottling of alcoholic products with waste water generation $\geq 100$ KLD)
61	Ceramic, Refractories having coal consumption $\geq 12$ MT / day
62	Common treatment and disposal facilities (CETP, TSDF, E-waste recycling, CBMWTF, effluent conveyance project, incinerators, solvent / acid recovery plant, MSW sanitary landfill sites, STP)
63	Ferrous and Non-ferrous metal extraction $> 1$ MT/hr involving different furnaces through melting, refining, reprocessing, casting and alloy making and including metal extraction from Lead [including gold and silver smithy using greater than 1.0 litre sulfuric acid / nitric acid per month, forging with coal fired boilers and smelting, lead, zinc and other metals]
64	Industrial estates / parks / complexes / areas / export processing zones / SEZs / biotech parks (For Red Category member industries)
65	Industry or process involving foundry operations(foundries having capacity $\geq 5$ MT/hr and requiring coal / coke consumption $\geq 500$ kg/hr)
66	Manufacturing of glass (bulb, lamp, optical lens etc.) using coal / wood fired kiln including manufacturing of lead glass
67	Parboiled rice mills (Waste Water generation $\geq 100$ KLD or fuel $\geq 12$ MTD or both)
68	Synthetic detergents and soaps (excluding formulation) waste water generation $\geq 100$ KLD
69	Vegetable oils including solvent extraction and refinery / hydrogenated oils having waste water generation $\geq 100$ KLD.

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70	Non-alcoholic beverage (soft drink) and bottling of non-alcoholic products with waste water generation $\geq 100$ KLD
71	Building and construction projects $> 20,000$ sq.mtr. built up area (waste water generation $\geq 100$ KLD)
72	Cleaning / washing of old PVC and MS drums using mineral turpentine oil, kerosene oil and water
73	Steel and steel products using various furnaces like blast furnaces / open hearth furnace / induction furnace / arc furnace / submerged arc furnace / basic oxygen furnace [industries attracting EIA (Notification) 2006 as amended]
74	Any industry / industrial activity (irrespective of category), having solid fuel fired boiler / Thermic Fluid Heater (TFH) irrespective of capacity or oil / gas fired boiler $> 5$ TPH

**Note:-**

- a) Any industry / industrial activity which is not covered in category lists, having coal fired boiler with steam generation capacity  $> 5$  TPH, will be considered under Red category subject to approval by the categorisation committee of the Board.
- b) Any industry / industrial activity using solid fuel (coal / wood / husk etc.) fired boiler / TFH irrespective of capacity and oil / gas fired boiler  $> 5$  TPH will be considered under Red category.
- c) Capacity of boilers / furnace / kiln / oven / DG set etc. in any unit refers to the cumulative capacity of all such respective items.
- d) For activities attracting EIA notification, Environmental Clearance is mandatory followed by 'Consent to Establish' and 'Consent to Operate' of the Board.
- e) Detailed information for selection of specific nature of activity under industry category is available in the EMIS of the Board for facilitating project proponents.