

Categorization of Industries on Environmental Point of View

Sub: Categorization of Industrial Units for fixation of application fee for consent for establishment and consent for operation of different Industrial Units

FOREST AND ENVIRONMENT DEPARTMENT

No.6194-Env.I-40/2007/F&E. Dtd24th April 2007-

Government of Orissa identified the industries described in the Schedule below into **Red, Orange, Green** and **non-Polluting categories** for the purpose of Management of consent or authorization of industries under the aforesaid Act and the Rules.

1. **RED** (High Pollution Potential)

(I) Industries identified by Ministry of Environment & Forests, Govt. of India as heavily polluting and covered under Central Action Plan, viz:

1. Aluminium smelter.
2. Cement.
3. Chlor alkali.
4. Copper smelter.
5. Distillery including Fermentation industry.
6. Dyes and Dye-intermediates.
7. Fertiliser.
8. Iron and Steel (involving processing from ore/scrap/Integrated steel plants).
9. Oil refinery (Mineral oil or Petro refineries).
10. Pesticides (Technical) (excluding formulation).
11. Petrochemicals (Manufacture of and not merely use of as raw material).
12. Pharmaceuticals (Basic) (excluding formulation).
13. Pulp & Paper (Paper manufacturing with or without pulping).
14. Sugar (excluding Khandsari).
15. Tanneries.
16. Thermal power plants.
17. Zinc smelter.

(II) Industries manufacturing following products or carrying out following activities:

18. Anodizing.
19. Asbestos and asbestos-based industries.
20. Automobile manufacturing/assembling.
21. Ceramic/refractories.
22. Chemical, petrochemical and electrochemicals including manufacture of acids such as Sulphuric Acid, Nitric Acid, Phosphoric Acid etc.
23. Chlorates, perchlorates and peroxides.
24. Chlorine, fluorine, bromine, iodine and their compounds.
25. Coke making, coal liquefaction, coal tar distillation or fuel gas making.
26. Common Effluent Treatment Plant.
27. Dry coal processing/Mineral processing industries like ore sintering, palletization etc.

28. Explosive including detonators, fuses etc.
29. Fermentation industry including manufacture of yeast, beer etc.
30. Fire crackers.
31. Foundries.
32. Glass and fibre glass production and processing (excluding moulding).
33. Glue and gelatine.
34. Heavy Engineering.
35. Hospitals.
36. Hot Mix plants.
37. Hydrocyanic acid and its derivatives.
38. Incineration plants.
39. Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black etc.
40. Industrial or inorganic gases namely (a) Chemical Gases: Acetylene, Hydrogen, Chlorine, Fluorine, Ammonia, Sulphur dioxide, Ethylene, Hydrogen Sulphide, Phosphine, (b) Hydrocarbon Gases: Methane, Butane, Ethane, Propane.
41. Industry or process involving electroplating operations.
42. Industry or process involving foundry operations.
43. Industry or process involving metal treatment or process such as picking, paint stripping, heat treatment, phosphating or finishing etc.
44. Lead re-processing & manufacturing including lead smelting.
45. Lime manufacturing.
46. Lubricating oils, greases or petroleum-based products.
47. Milk processing and dairy products (Integrated Project)
48. Mining and ore-beneficiation.
49. Organic Chemical manufacturing.
50. Parboiled rice mills.
51. Paints and varnishes (excluding blending/mixing).
52. Petroleum products manufacturing & oil/crude oil/residues reprocessing.
53. Phosphate rock processing plants.
54. Phosphorous and its compounds.
55. Photographic films and chemicals.
56. Pigments and intermediates.
57. Potable alcohol (IMFL) by blending or distillation of alcohol.
58. Power generating plants (excluding D.G.Sets).
59. Processes involving chlorinated hydrocarbons.
60. Ship-breaking.
61. Slaughter houses and meat processing units.
62. Steel and steel products including coke plants involving use of any of the equipment's such as blast furnaces, open hearth furnace, induction furnace or arc furnace etc. or any of the operations or processes such as heat treatment, acid pickling, rolling or galvanizing etc.
63. Stone Crushers.
64. Surgical and medical products involving prophylactics and latex.
65. Synthetic detergent and soap (not covered under Orange and Green list).
66. Synthetic fibre including rayon, tyre cord, polyester filament yarn.
67. Synthetic resins.
68. Synthetic rubber excluding moulding.
69. Tobacco products including cigarettes and tobacco processing.
70. Vegetable oils including solvent extracted oils, hydro-generated oils

71. Yarn and textile processing involving scouring, bleaching, dyeing, printing or any effluent/emission generating process.

2. ORANGE (Medium Pollution Potential)

1. Automobile servicing and repairs stations.
2. Brick manufacturing.
3. Cashewnut processing plants (dry process).
4. Cement clinker grinding units.
5. Cotton ginning, spinning and weaving.
6. Fish processing.
7. Flour mills (excluding Domestic Aatta Chakki).
8. Food additives, nutrients and flavours.
9. Food including fruits and vegetable processing.
10. Fragrances and industrial perfumes.
11. Hotels and restaurants.
12. Instant tea/coffee, coffee processing.
13. Khandsari Sugar.
14. Laboratory Chemicals involving distillation, purification process.
15. Laboratory-wares.
16. Lead-acid battery reconditioning/assembling.
17. Malted food.
18. Manufacture of mirror from sheet glass and photoframing.
19. Manufacture of synthetic detergent intermediates (other than formulated synthetic detergent products).
20. Manufacture of soaps (process generating trade effluent).
21. Metal treatment or process involving surface coating and paint baking.
22. Non-alcoholic beverages (soft drinks).
23. NPK Fertilisers/Granulation.
24. Organic nutrients.
25. Pesticides/Insecticides/Fungicides/Herbicides/Agrochemical formulation.
26. Petroleum products/crude oil storage and transfer excluding cross-country pipeline.
27. Pharmaceuticals formulation.
28. Plywood and Board manufacturing.
29. Pre-boiled rice mills.
30. Pulping and fermenting of coffee beans.
31. Pulverizing units.
32. Surgical and medical products not involving effluent/emission generating process.
33. Tyres and tubes vulcanization, vulcanization, retreading moulding.
34. Wire drawing (cold process) and bailing straps.

3. GREEN (Low Pollution Potential)

- (I) **Industries in Small scale, Cottage/Village category suggested under notification of the State Government for issuance of simplified NOC/ Consent from State Pollution Control Board.**
- (II) **All those industries or processes which are not covered under the "Red" and/ or "Orange" category; An illustrative list is provided below:**

1. Apparel making.
2. Assembly of air coolers, conditioners.
3. Assembly of bicycles, baby carriage and other small non- motorized vehicles.
4. Atta-chakkies.
5. Bakery products, biscuits confectionery.
6. Bamboo and cane products (only dry operations).
7. Block making for printing.
8. Bulk Cement terminal.
9. Cardboard or corrugated box and paper products (Paper or pulp manufacturing excluded).
10. Carpet weaving.
11. Chilling plants and cold storage.
12. Cotton and woolen hosiery.
13. Dal mills.
14. Electronics and Electrical goods.
15. Electronics equipment (Assembly).
16. Footwear (rubber and PVC).
17. Fountain pens.
18. Garments stitching, tailoring.
19. Gold and Silver smithy.
20. Gold and Silver thread zari work.
21. Groundnut decorticating (dry).
22. Ice-cream or Ice-making.
23. Industrial Gases, namely; Air, Oxygen, Nitrogen, Argon, Helium, Carbon Dioxide, Nitrous Oxide.
24. Insulation and other coated papers (Paper or pulp manufacturing excluded).
25. Jobbing and machining.
26. Leather footwear and leather products excluding tanning and hide processing.
27. Light engineering.
28. Manufacture of formulated synthetic detergent products.
29. Manufacture of soaps involving process without generation of trade effluent (saponification of fats and fatty acids only).
30. Medical and Surgical instruments.
31. Mineralised water.
32. Musical instruments manufacturing.
33. Oil ginning/expelling (no hydrogenation/refining).
34. Optical frames.
35. Paint (by mixing process only).
36. Paper pins and U-clips.
37. Plastic & PVC processed goods.
38. Polythene, plastic and PVC goods through injection/extrusion moulding.
39. Powerlooms/handlooms (without dyeing & bleaching).
40. Printing press.
41. Radio assembling.
42. Rice Millers.
43. Rope (cotton and plastic).
44. Rubber goods industry.
45. Scientific and mathematical instruments.
46. Shoelace manufacturing.
47. Sports goods.
48. Steeping and processing of grains.

49. Supari (Betelnut) and masala grinding.
50. Thermometer making.
51. Toys.
52. Wasting of used sand by hydraulic discharge.
53. Water softening and demineralised plants.


4. **Non-Polluting Industrial Activities (exemption from Consent)**

1. Tailoring/garment making.
2. Handloom weaving.
3. Furniture (wooded & steel).
4. Assembly of domestic electrical and electronic appliances/ equipment.
5. Candles.
6. Carpentry (excluding saw mill).
7. Manufacture of steel trunks and suit cases.

Note

Industries which do not fall in any of the above mentioned categories (i.e. Red/Orange/Green/Non-polluting), decision with regard to their categorization will be taken by the State Pollution Control Board.

ADDEDNDUM

As some of these industries/developmental projects have not been included in the State Govt. notification dtd24th April.2007, having significant pollution potential, **such have been brought under the consent administration of the Board and are added in the list of aforesaid industries as under,** 

Sl. No.	Type of project	Category
1.	DG set of capacity 15 KV A or more under Air(PCP) Act. 1981	Red
2.	Fly ash based product manufacturing unit.	Green
	Building and construction projects having built up area > 20.000 sqmt and < 150000 sqmt	Red
4.	Townships and area development project. Covering an area > 50 ha and or built up area > 1.50,000 sq.mtrs	Red
5.	River valley project (irrigation/hydro power projects)	Red
6.	Nuclear power projects and processing of nuclear fuel	Red
7.	Highway projects	Red
8.	Air Ports	Red
9.	Isolated storage & handling of hazardous chemicals (as per threshold planning quantity indicated in column 3 of schedule 2 & 3 of MSIHC Rules 1989 amended 2000)	Red
10.	All transportation pipeline (Oil & gas including crude and refinery/ petrochemical products /mineral slurry)	Red
11.	Industrial estates/parks/complexes/areas. Export Processing Zones (EPZs), Special Economic Zones (SEZs), Biotech parks, leather	Red

	complexes	
12.	Common hazardous waste treatment, storage and disposal facilities (TSDFs)	Red
13	Dumping of ash/char/slag/other non-hazardous industrial waste outside factory premises (including mine void and low lying area tilling)	Red
14.	Common Municipal Solid Waste Management Facility (CMSWMF)	Red
15	Ports. Harbours	Red
16.	Aerial ropeways	Red
17.	Granite polishing unit	Red
18	Fish landing centre	Orange
19.	Fishing Harbour	Red
20.	Common Effluent Treatment plant(CEPT) / Common Sewage Treatment Plant (CSTP)	Red
21.	Chuda mill	Orange
22	Coal/Coke briquette plant	Red
23.	Ship building, rig manufacturing & Assembling	Red
24.	Any other projects does not find a place as above but coming under schedule of EIA notification. 2006	Red

Compiled by: Outreach & Promotion Group, IPICOL, Team Orissa
E-mail : info@teamorissa.org