

DEPARTMENT OF ENVIRONMENT  
NOTIFICATION

Jaipur, February 6, 2013

**G.S.R 106.-** In exercise of the powers conferred by section 64 of the Water (Prevention and Control of Pollution) Act, 1974(Central Act No. 6 of 1974), the State Government, after consultation with the Rajasthan State Pollution Control Board, hereby makes the following rules, further to amend the Rajasthan Water (Prevention and Control of Pollution) Rules, 1975, namely:-

**1. Short title and commencement.-** (1) These rules may be called the Rajasthan Water (Prevention and Control of Pollution) (Second Amendment) Rules, 2013.

(2) They shall come into force on the date of their publication in the Official Gazette.

**2. Amendment of Schedule-IV.-** In Schedule-IV appended to the Rajasthan Water (Prevention and Control of Pollution) Rules, 1975, the existing Appendix A, B and C occurring after note 5 of the Notes in respect of Part I, II and III shall be substituted by the following, namely:-

"Appendix A

S.No.	Type of industries/ projects/ processes/ activities
1	2
1.	Airports and Commercial Air Strips
2.	Aluminum Smelter



	2
3.	Asbestos and asbestos based industries.
4.	Automobiles Manufacturing (Integrated facilities) other than small and tiny scale units
5.	Basic chemicals and electro chemicals and its derivatives including manufacture of acids other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
6.	Ceramic, Refractories other than small and tiny scale units
7.	Cement
8.	Chlor alkali
9.	Chlorates, perchlorates and peroxides other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
10.	Chlorine, fluorine, bromine, iodine and their compounds other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
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 landfill sites, STP)
15.	Distillery including Fermentation industry
16.	Dyes and Dye-Intermediates
17.	Dry coal processing/ mineral processing, industries involving ore sintering, palletisation, grinding, pulverization
18.	Emulsion of oil & water



1	2
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 having capacity $\geq 5$ Tons per Heat(TPH)
22.	Fire crackers manufacturing and bulk storage facilities other than small and tiny scale units
23.	Fly ash export, transport and disposal facilities
24.	Heavy engineering including Ship Building (With investment on Plant & Machineries more than Rs 10 Crores)
25.	Hot mix plants
26.	Hotels (3 Star & above) and Hotels having 100 rooms and above
27.	Hydrocyanic acid and its derivatives
28.	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black other than small and tiny scale units
29.	Industrial estates/parks/complexes/areas/export processing zones/SEZs/ Biotech parks/ leather complex
30.	Industrial inorganic gases namely:-a) Chemical gases: Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine; b) Hydrocarbon gases: Methane, ethane, propane other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
31.	Industries engaged in recycling /reprocessing/recovery / reuse of Hazardous Waste under schedule IV of Hazardous Waste (M, H&TBM) Rules, 2008 and its amendments
32.	Industry or process involving foundry operations $\geq 5$ Tons per Heat



1	2
33.	Industry or process involving metal surface treatment or process such as pickling/ plating/electroplating/ paint stripping/ heat treatment/ phosphating or finishing and anodising/ enameling/ galvanizing other than small and tiny scale units
34.	Iron and Steel (involving processing from ore/ integrated steel plants and or Sponge Iron Units)
35.	Isolated storage of hazardous chemicals (as per schedule of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended)
36.	Lead acid battery manufacturing(excluding assembling & charging of acid lead battery in micro scale[< Rs 25 lakhs])
37.	Manufacturing of Explosives, detonators, fuses including management and handling activities other than small and tiny scale units
38.	Manufacturing of Lubricating oils, greases or petroleum based products other than small and tiny scale units
39.	Manufacturing of Paints, Varnishes, pigments and intermediate (excluding blending/ mixing)
40.	Manufacturing of Starch/Saggo
41.	Milk processing and dairy products (integrated project) other than small and Tiny scale units
42.	Mineral stack yards/ Railway sidings
43.	Ore beneficiation
44.	New Highway construction projects
45.	Non alcoholic beverage (soft drink) & bottling of alcoholic/non-alcoholic products (Capital investment on plant and machinery > Rs. 1-Crore)
46.	Nuclear Power Plants
47.	Oil & Gas extraction including CBM (offshore & onshore extraction through drilling wells)
48.	Oil and gas transportation pipeline
49.	Oil Refinery (Mineral Oil or Petro Refineries)
50.	Organic chemicals manufacturing



1	2
51.	Pesticides (Technical) (excluding formulation)
52.	Petrochemicals (Manufacture of and not merely use of as raw material)
53.	Pharmaceuticals (excluding formulation)
54.	Pulp and Paper (paper manufacturing with or without pulping) other than small and tiny scale units
55.	Phosphate rock processing plant other than small and tiny scale units
56.	Phosphorous and its compounds other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
57.	Photographic films and its chemicals
58.	Ports & Harbours, Jetties and Dredging Operations
59.	Power Generation Plants [Except Wind, Solar and Mini Hydel Power plants of capacity <25 MW) and DG set of capacity > 5 MW]
60.	Processes involving chlorinated hydrocarbons other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
61.	Railway Locomotive workshops / Integrated Road transport workshop/ Authorized service centers
62.	Reprocessing of used oils and waste oils
63.	Ship breaking activities
64.	Slaughter houses (As per the notification S.O.270(E) dated 26.03.2001) and meat processing industries, bone mill, processing of animal horns, hoofs and other body parts other than non mechanized plants
65.	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 furnace having capacity $\geq$ 5 Tons per Heat(TPH)



1	2
66.	Stone crushers > 600 TPD and or Jaw Crusher Size > 15" X 30"
67.	Sugar (excluding Khandasari)
68.	Surgical and medical products involving prophylactics and latex
69.	Synthetic detergents and soaps (excluding formulation) other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHIC Rules, 1989
70.	Synthetic fibres including rayon, tyre cord, polyester filament yarn
71.	Synthetic resins other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHIC Rules, 1989
72.	Synthetic rubber excluding molding
73.	Tanneries
74.	Thermal Power Plants
75.	Tobacco products including cigarettes and tobacco/ opium processing
76.	Vegetable oils including solvent extraction and refinery/ hydrogenated oils other than small and tiny scale units
77.	Yarn/ textile processing involving any effluent/ emission-generating process, bleaching, dyeing, printing and scouring other than small and tiny scale units located at isolated places other than cluster areas
78.	Zinc Smelter
79.	Aerial rope way
80.	Building and construction project > 20000 Sq. M built-up area
81.	Clinker grinding unit
82.	Food & food processing including fruits & vegetable processing other than small and tiny scale units
83.	Halogenated Hydrocarbons other than small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHIC Rules, 1989



1	2
84.	Heavy water
85.	Infrastructure development project
86.	Ink, Pigment and Intermediates other than formulation
87.	LPG bottling plant
88.	pesticide specific intermediates
89.	Processing of nuclear fuel
90.	River Valley Project
91.	Synthetic leather and related products except isolated moulding
92.	Township and area development project $\geq$ 50 Ha or dwelling units $\geq$ 100 unit
93.	Any industry/industrial activity which is not covered under Red category having coal fired boiler with steam generation capacity more than 5 T/Hour

## Appendix B

S.No.	Type of Industries/ Projects/ Processes/ Activity
1	2
1.	Almirah, Grill Manufacturing
2.	Aluminum and copper extraction from scrap using oil fired furnace
3.	Automobile servicing, repairing and painting (excluding only fuel dispensing)
4.	Ayurvedic and Homeopathic medicine
5.	Bakery & confectionery units with production capacity > 1 TPD]
6.	Bi-axially oriented PP film along with metalising operation
7.	Brickfields (excluding fly ash brick manufacturing using lime process)
8.	Cashew nut processing
9.	Chanachur and laddoo from puffed and beaten rice (muri and chira) using husk fired oven



1	2
10.	Chilling plant, cold storage and Ice making
11.	Coffee seed processing
12.	Coke briquetting (sun drying)
13.	Cotton spinning and weaving (medium and large scale)
14.	Cutting, sizing and polishing of marble stones
15.	Dairy and dairy products (small scale) (capital investment on plant & machinery < rupees 1 crore)
16.	Dal Mills
17.	DG Set of capacity >100 KVA but $\leq$ 5 MVA
18.	Digital printing on PVC cloth
19.	Dismantling of rolling stocks(wagons/coaches )
20.	Dry cell battery (excluding manufacturing of electrodes) & assembling & charging of acid lead battery in micro scale[< rupees 25 lakhs]
21.	Emery powder(fine dust of sand) manufacturing
22.	Engineering and fabrication units (With investment on Plant & Machineries < Rs 10 Crores)
23.	Excavation of sand from the river bed(excluding manual excavation)
24.	Facility of handling, storage and transportation of food grains in bulk.
25.	Fertilizer (granulation and formulation only)
26.	Fish feed, poultry feed and cattle feed
27.	Fish processing and packaging (excluding chilling of fish)
28.	Foam manufacturing
29.	Food & food processing including fruits & vegetable processing small and tiny scale units
30.	Forging of ferrous & non-ferrous metal (using oil or gas fired boilers)
31.	Formulation/palletization of camphor tablets, naphthalene balls from camphor/naphthalene powders
32.	Glass, ceramic, earthen potteries and tile manufacturing using oil or gas fired kiln, Coating on glasses using cerium fluoride, magnesium fluoride etc. -



1	2
33.	Glue from starch (physical mixing)
34.	Gravure printing, digital printing on flex, vinyl
35.	Heat treatment using oil fired furnace (excluding cyaniding)
36.	Hotels (Less than 3 star) or Hotels having more than 20 rooms and less than 100 rooms.
37.	Ice cream
38.	Jute processing without dyeing
39.	Liquid floor cleaner, black phenyl, liquid soap, glycerol monostearate manufacturing.
40.	Manufacture of mirror from sheet glass
41.	Manufacturing of iodized salt from crude/raw salt
42.	Manufacturing of mosquito repellent coil
43.	Manufacturing of toothpowder, toothpaste, talcum powder and other cosmetic items
44.	Mechanized laundry using oil fired boiler
45.	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
46.	Packing materials manufacturing from non asbestos fiber, vegetable fiber yarn
47.	Paint blending & mixing (Ball mill)
48.	Pharmaceutical formulation and for R&D purpose (for sustained release/extended release of drugs only and not for commercial purpose)
49.	Plyboard manufacturing (including veneer & laminate) with oil fired boiler/ thermic fluid heater (without resin plant)
50.	Potable alcohol (IMFL) by blending, bottling of alcoholic products (capital investment on plant & machinery < rupees 1 crore)
51.	Power press



I	2
52.	Printing ink manufacturing
53.	Printing or etching of glass sheet using hydrofluoric acid
54.	Producer gas plant using conventional up-drift coal gasification(linked to rolling mills , glass and ceramic industry, refractories for dedicated fuel supply)
55.	Pulverization of bamboo and scrap wood
56.	Repairing of electric motor & generator
57.	Reprocessing of waste plastic (excluding PVC)
58.	Rice mill less than 10 TPD & rice hullers
59.	Rolling Mill (oil or gas fired) and cold Rolling mill
60.	Saw mill
61.	Seasoning of wood in steam heated chamber.
62.	Silk screen printing, Saree printing by wooden blocks
63.	Spice grinding (> 20 HP motor)
64.	Spray painting, paint baking, paint stripping
65.	Tamarind powder manufacturing
66.	Tea processing
67.	Thermocol manufacturing
68.	Thermometer making
69.	Transformer repairing/manufacturing
70.	Tyres and tubes vulcanization/hot retreading
71.	Wire drawing & Wire netting
72.	Automobiles Manufacturing (Integrated facilities) small and tiny scale units
73.	Basic chemicals and electro chemicals and its derivatives including manufacture of acids small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
74.	Ceramic, Refractories small and tiny scale units
75.	CFL, tube light, bulb and so on
76.	Chlorates, perchlorates and peroxides small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules 1989



1	2
77.	Chlorine, fluorine, bromine, iodine and their compounds small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
78.	Computer software development and business promotion centers employing more than 50 persons
79.	Cutting, sizing and polishing of granite, kota stone and other stones
80.	Ferrous and Non ferrous metal extraction involving different furnaces through melting, refining, reprocessing, casting and alloy making having capacity < 5 Tons per Heat (TPH)
81.	Fibre glass production and processing (Excluding moulding)
82.	Fire crackers manufacturing and bulk storage facilities small and tiny scale units
83.	Flakes from rejected PET bottle
84.	Food additives
85.	Footwear other than leather footwear
86.	Formulation of Pesticides, agro chemicals and so on
87.	Gems and jewellery except tiny unit
88.	Glass and fiber glass moulding
89.	Guar and guar gum
90.	Gypsum board
91.	Halogenated Hydrocarbons small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
92.	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black small and tiny scale units
93.	Industrial inorganic gases namely:-a) Chemical gases: Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine; b) Hydrocarbon gases: Methane, ethane, propane small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989



1	2
94.	Industry or process involving foundry operations < 5 Tons per Heat
95.	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 small and tiny scale units
96.	Ink, pigment and intermediates (Formulation)
97.	Institutions for training, education, capacity building
98.	Lime manufacturing (using lime kiln)
99.	Manufacturing of Explosives, detonators, fuses including management and handling activities small and tiny scale units
100.	Manufacturing of Glass
101.	Manufacturing of Glue and gelatin
102.	Manufacturing of Lubricating oils, greases or petroleum based products small and tiny scale units
103.	Manufacturing of Varnishes, pigments and intermediate (blending/ mixing only)
104.	Metal handicraft unit having furnaces or chemical treatment facility
105.	Milk processing and dairy products (integrated project) small and tiny scale units
106.	Mineral grinding (except asbestos industries)
107.	Non alcoholic beverage (soft drink) & bottling of alcoholic/non-alcoholic products (Capital investment on plant and machinery $\leq$ Rs. 1 Crore)
108.	Parboiled rice mill (More than 10 TPD)
109.	Phosphate rock processing plant small and tiny scale units
110.	Phosphorous and its compounds small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
111.	Plaster of paris
112.	Polythene & plastic processed products manufacturing (virgin plastics)



1	2
113.	Processes involving chlorinated hydrocarbons small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
114.	Pulp and Paper (paper manufacturing with or without pulping) small and tiny scale units
115.	Restaurant > 25 seats
116.	Slaughter houses (As per the notification S.O.270(E) dated 26.03.2001) and meat processing industries, bone mill, processing of animal horns, hoofs and other body parts (non mechanised plants)
117.	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 furnace having capacity < 5 Tons per Heat (TPH)
118.	Stone carving unit using power more than 10 hp
119.	Stone crushers $\leq$ 600 TPD and Jaw Crusher Size $\leq$ 15" X 30"
120.	Synthetic detergents and soaps (excluding formulation) small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
121.	Synthetic resins small and tiny scale units which have storage within threshold quantity indicated in column 3 of schedule 2 and 3 of MSIHC Rules, 1989
122.	Synthetic rubber and foam moulding
123.	Township and area development project $\geq$ 5 Ha but < 50 Ha and or dwelling units $\geq$ 50 but < 100 unit
124.	Vegetable oils including solvent extraction and refinery/ hydrogenated oils small and tiny scale units
125.	Water treatment plant
126.	Wet mix macadam



	2
127.	Yarn and textile manufacturing/ processing not involving scouring, bleaching, dyeing, printing or any effluent/ emission generating process including spinning/ weaving unit
128.	Yarn/ textile processing involving any effluent/ emission-generating process, bleaching, dyeing, printing and scouring small and tiny scale units located at isolated places

## Appendix C

S. No.	Type of Industries/ Projects/ Processes/ Activity
1	2
1.	Assembling of Acid lead battery (up to 10 batteries per day excluding lead plate casting)
2.	Aluminum utensils from aluminum 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.	Bailing (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



1	2
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
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 100 KVA)
31.	Diesel pump repairing & servicing
32.	Distilled water
33.	Electric lamp (bulb) manufacturing (small scale)
34.	Electrical & electronic items assembling
35.	Flavored betel nut production/grinding.



1	2
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 sun-drying
55.	Manufacturing of shoe brush & wire brush
56.	Manufacturing of silica gel (without furnace)
57.	Medical oxygen



1	2
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.	Poultry, hatchery, Piggery
68.	Power looms (without dyeing and bleaching)
69.	Printing press
70.	Puffed rice (muri) (using oil, gas or electrical heating system)
71.	Ready mix cement concrete
72.	Reprocessing of waste cotton
73.	Rope (Cotton & Plastic)
74.	Rubber goods industry (with baby boiler only)
75.	Scientific and mathematical instruments manufacturing
76.	Soap manufacturing (Handmade without steam boiling)
77.	Solar module (Non conventional energy apparatus) manufacturing unit
78.	Solar power generation through solar photovoltaic cell, wind power & mini hydel power(< 25 MW)
79.	Spice grinding (< 20 HP motor)
80.	Steel furniture without spray painting
81.	Steeping and processing of grains
82.	Surgical and medical products not involving effluent/emission generating processes
83.	Synthetic detergent formulation
84.	Teflon based products