

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL SOUTHERN
ZONE BENCH, AT CHENNAI**

ORIGINAL APPLICATION NO. 24 OF 2023

IN THE MATTER OF:

KOSGI VENKATAIAH & ANR.

...Applicant

v.

UNION OF INDIA & ORS.

...Respondents

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R14**

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It is certified that all documents contained in the above annexures are true copies.

Date: 17.05.2023



COUNSEL FOR 14TH RESPONDENT

GREEN CATEGORY OF INDUSTRIES LIST NOV' 2021

AS PER CPCB CATEGORIZATION

Sl. No.	Category	Industry Sector	Reference
1.	Green	Aluminium utensils from aluminium circles by pressing only (dry mechanical operation)	
2.	Green	Ayurvedic and homeopathic medicines (without boiler)	
3.	Green	Bakery/Confectionery/Sweets products (with production capacity <1 TPD (with gas or electrical oven)	
4.	Green	Bi-axially oriented PP film along with metalizing Operations	
5.	Green	Biomass briquettes (sun drying) without using toxic hazardous wastes	
6.	Green	Blending of melamine resins& different powder, additives by physical mixing	
7.	Green	Brass and bell metal utensils manufacturing from circles (dry mechanical operation without re-rolling facility)	
8.	Green	Candy	
9.	Green	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)	
10.	Green	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.	Green	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.	Green	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)	
13.	Green	Chilling plant, cold storage and ice making	
14.	Green	Coke briquetting (sun drying)	
15.	Green	Cotton spinning and weaving (small scale)	
16.	Green	Dal Mills	
17.	Green	Decoration of ceramic cups and plates by electric furnace	
18.	Green	Digital printing on PVC Clothes	
19.	Green	Facility of handling, storage and transportation of food grains in bulk	Non-Industrial Operation
20.	Green	Flour mills (dry process)	
21.	Green	Glass, ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln	

22.	Green	Glue from starch (physical mixing) with gas / electrically operated oven / boiler.	
23.	Green	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)	O-103
24.	Green	Heat treatment with any of the new technology like ultrasound probe, induction hardening, ionization beam, gas carburizing etc.	
25.	Green	Insulation and other coated papers (excluding paper or pipe manufacturing)	
26.	Green	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)	
27.	Green	Lubricating oil, greases or petroleum based products (only blending at normal temperature)	
28.	Green	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying	
29.	Green	Oil mill Ghani and extraction (no hydrogenation / refining)	
30.	Green	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn	
31.	Green	Phenyl / toilet cleaner formulation and bottling	
32.	Green	Polythene and plastic processed products manufacturing (virgin plastic)	
33.	Green	Poultry, Hatchery and Piggery (more than one lakh birds at any given time)	
34.	Green	Power looms (without dye and bleaching)	
35.	Green	Puffed rice (muri) (using gas or electrical heating system)	
36.	Green	Pulverization of bamboo and scrap wood	
37.	Green	Ready mix cement concrete	
38.	Green	Reprocessing of waste cotton	
39.	Green	Rice mill (Rice hullers only)	
40.	Green	Rolling mill (gas fired) and cold rolling mill	
41.	Green	Rubber goods industry (with gas operated baby boiler)	
42.	Green	Saw mills	
43.	Green	Soap manufacturing (handmade without steam boiling / boiler)	
44.	Green	Spice grinding (upto-20 Hp motor)	
45.	Green	Spice grinding (>20 hp motor)	
46.	Green	Steel furniture without spray Painting	
47.	Green	Steeping and processing of Grains	
48.	Green	Tyres and tube retreating (without boilers)	
49.	Green	Chilling plant and ice making without using ammonia	
50.	Green	CO2 recovery	

51.	Green	Distilled water (without boiler) with electricity as source of heat	
52.	Green	Hotels (up to 20 rooms and without boilers)	Non-Industrial Operation (R-31 & O-107)
53.	Green	Manufacturing of optical lenses (using electrical furnace)	
54.	Green	Mineralized water	
55.	Green	Tamarind powder Manufacturing	
56.	Green	Cutting, sizing and polishing of marble stone	
57.	Green	Emery powder (fine dust of sand) manufacturing	
58.	Green	Flyash export, transport & disposal facilities	Non-Industrial Operation
59.	Green	Mineral stack yard / Railway Sidings	Non-Industrial Operation
60.	Green	Oil and gas transportation Pipeline	Non-Industrial Operation
61.	Green	Seasoning of wood in steam heated chamber	
62.	Green	Synthetic detergent formulation	
63.	Green	Tea processing (with boiler)	
64.	Green	Railway Stations (Wastewater generation < 10 KLD)	R-61 & O-84
65.	Green	Gaushalas (Wastewater generation < 100 KLD)	O-110
<u>Additional industries as per Pollution Index Score</u>			
66.	Green	Manufacture of Herbal Products by chemical extraction / Biotechnological process (Amla Dry Powder, Aloe vera Powder, Lecithin Powder, Curcuminoids, etc).	
67.	Green	Refilling of Non-Hazardous Industrial gases	R-64
68.	Green	Standalone Cement Packing	
69.	Green	Manufactures of Plaster of Paris and Allied Products	
70.	Green	Manufacturing of Graphite based lubricants	
71.	Green	Modular wooden furniture from particle board, MDF < swan timber etc, Ceiling tiles/ partition board from sawdust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (Without boiler)	O-51
72.	Green	Compressed Bio-gas (CBG)/Bio-CNG plants based on crop residue (paddy straw / wheat straw / corn sweet sorghum / napier grass, etc.) with wastewater generation upto 100 KLD	O-86 (c)

73.	Green	Cotton seed Ginning / De-linting by Mechanical means	R-79 & O-111
74.	Green	Seed processing by Solar drying	R-80 & O-112
75.	Green	Cob drying (fuel consumption less than 12 TPD)	O-113
76.	Green	Metal Injection Moulding using Electrical heater	O-115
77.	Green	Manufacture of Egg Trays	
78.	Green	Autoclave Aerated Concrete Blocks / Bricks with fuel consumption less than 12 TPD	O-116
79.	Green	Granite / Stone Cutting and Polishing	
80.	Green	Herbal Products without using solvent	O-120
81.	Green	Compressed Bio-gas (CBG)/Bio-CNG plants based on animal waste (dairy farms, poultry farms, and other animal waste) with wastewater generation upto 100 KLD	O-86 (d)
82.	Green	Common Effluent Treatment Plant (CETP) / effluent conveyance project with Green category member industries	

Note: The same line of activity falling under two different categories have been indicated in the reference column

ORANGE CATEGORY OF INDUSTRIES LIST NOV'2021

AS PER CPCB CATEGORIZATION

Sl. No.	Category	Industry Sector	Reference
1.	Orange	Dismantling of rolling stocks (wagons/coaches)	
2.	Orange	Bakery and confectionery units with production capacity > 1 TPD. (With ovens / furnaces)	
3.	Orange	Chanachur and ladoo from puffed and beaten rice (muri and shira) using husk fired oven	
4.	Orange	Coated electrode manufacturing	
5.	Orange	Compact disc computer floppy and cassette manufacturing / Reel manufacturing	
6.	Orange	Flakes from rejected PET bottle	
7.	Orange	Food and food processing including fruits and vegetable processing	
8.	Orange	Jute processing without dyeing	
9.	Orange	Manufacturing of silica gel	
10.	Orange	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items	
11.	Orange	Printing or etching of glass sheet using hydrofluoric acid	
12.	Orange	Silk screen printing, sari printing by wooden blocks	
13.	Orange	Synthetic detergents and soaps (excluding formulation)	
14.	Orange	Thermometer manufacturing	
15.	Orange	Cotton spinning and weaving (medium and large scale)	
16.	Orange	Almirah, Grill Manufacturing (Dry Mechanical Process)	
17.	Orange	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)	
18.	Orange	Automobile servicing, repairing and painting (excluding only fuel dispensing) having waste water generation less than 100 KLD	Non-Industrial Operation (R-72)
19.	Orange	Ayurvedic and homeopathic medicine	
20.	Orange	Brickfields (excluding fly ash brick manufacturing using lime process)	
21.	Orange	Building and Construction Project more than 20,000 Sq.m built up area and waste water generation less than 100 KLD	Non-Industrial Operation (R-71)
22.	Orange	Ceramics and Refractories	
23.	Orange	Coal washeries	
24.	Orange	Dairy and dairy products (small scale)	
25.	Orange	DG set of capacity >1MVA but < 5MVA	
26.	Orange	Dry coal processing, mineral processing, industries involving ore sintering, pellet sating, grinding & pulverization	
27.	Orange	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) waste water generation less than 100 KLD	R-73

28.	Orange	Ferrous and Non-ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy making	
29.	Orange	Fertilizer (granulation / formulation / blending only)	
30.	Orange	Fish feed, poultry feed and cattle feed	
31.	Orange	Fish processing and packing (excluding chilling of fishes)	
32.	Orange	Forging of ferrous and Non-ferrous metals (using oil and gas fired furnaces)	
33.	Orange	Formulation / pelletization of camphor tablets, naphthalene balls from camphor / naphthalene powders.	
34.	Orange	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride etc.	
35.	Orange	Gravure printing, digital printing on flex, vinyl	
36.	Orange	Heat treatment using oil fired furnace (without cyaniding)	
37.	Orange	Hot mix plants	
38.	Orange	Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms or having waste water generation > 10 KLD and < 100 KLD.	Non-Industrial Operation (R-31 & G-52)
39.	Orange	Ice cream	
40.	Orange	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.	Orange	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 form	
42.	Orange	Industry or processes involving foundry operations	
43.	Orange	Lime manufacturing (using limekiln)	
44.	Orange	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing	
45.	Orange	Manufacturing of glass	

46.	Orange	Manufacturing of iodized salt from crude / raw salt	
47.	Orange	Manufacturing of mirror from sheet glass	
48.	Orange	Manufacturing of mosquito repellent coil	
49.	Orange	Manufacturing of Starch / Sago	
50.	Orange	Mechanized laundry using oil fired boiler	Non-Industrial Operation
51.	Orange	Modular wooden furniture from particle board, MDF < swan timber etc, Ceiling tiles/ partition board from sawdust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (With boiler)	G-71
52.	Orange	New highway construction project	Non-Industrial Operation
53.	Orange	Non-alcoholic beverages (soft drink) & bottling of alcohol/nonalcoholic products having waste water generation < 100 KLD.	R-74
54.	Orange	Paint blending and mixing (Ball mill)	
55.	Orange	Paints and varnishes (mixing and blending)	
56.	Orange	Ply-board manufacturing (including Veneer and laminate) with oil fired boiler / thermic fluid heater (without resin plant)	
57.	Orange	Potable alcohol (IMFL) by blending, bottling of alcohol products	
58.	Orange	Printing ink manufacturing	
59.	Orange	Printing press	
60.	Orange	Reprocessing of waste plastic including PVC	
61.	Orange	Rolling mill (oil or coal fired) and cold rolling mill	
62.	Orange	Spray painting, paint baking, paint Shipping	
63.	Orange	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.	Orange	Stone crushers	
65.	Orange	Surgical and medical products including prophylactics and latex	
66.	Orange	Teflon based products	
67.	Orange	Thermocol manufacturing (with boiler)	
68.	Orange	Tobacco products including cigarettes and tobacco / opium Processes	
69.	Orange	Transformer repairing / manufacturing(dry process only)	
70.	Orange	Tyres and tubes vulcanization / hot retreating	
71.	Orange	Vegetable oil manufacturing including solvent extraction and refinery / hydrogenated oils having waste water generation < 100 KLD.	R-75
72.	Orange	Wire drawing and wire netting	

73.	Orange	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale	
74.	Orange	Pharmaceutical formulation and for R&D purpose (For sustained release/extended release of drugs only and not for commercial purpose)	
75.	Orange	Synthetic resins	
76.	Orange	Synthetic rubber excluding molding	
77.	Orange	Cashew nut processing	
78.	Orange	Coffee seed processing	
79.	Orange	Parboiled Rice Mills having waste water generation < 100 KLD and fuel consumption < 12 TPD.	R-76
80.	Orange	Foam manufacturing	
81.	Orange	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.	Orange	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.	Orange	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply	
84.	Orange	Railway Stations (Waste water generation > 10 KLD and < 100 KLD)	R-61 & G-64
85.	Orange	Scrapping Centres (For End of Life of Vehicles and other scraps such as Plant and Machineries, Structural material, railway coaches and wagons etc) (a: Collection, De-pollution, Dismantling Centres and shredding centres / b: Collection, De-pollution, Dismantling Centres / c: shredding centres (Can include white goods* / other scraps also))	Recycling/dismantling of white goods covered under E-waste Rules, 2016 (R-15 & 33)
86.		Compressed Bio-gas (CBG)/Bio-CNG plants	
86(a)	Orange	Compressed Bio-gas (CBG)/Bio-CNG plants based on Municipal Solid Waste (MSW) with wastewater generation upto 100 KLD.	R-85
86(b)	Orange	Compressed Bio-gas (CBG)/Bio-CNG Plants based on process waste (industrial / process liquid effluent & solid waste like press mud, organic sludge, molasses, etc.) with wastewater generation upto 100 KLD.	R-86
86(c)	Orange	Compressed Bio-gas (CBG)/Bio-CNG plants based on crop residue (paddy straw / wheat straw / corn sweet sorghum / napier grass, etc.,) with wastewater generation more than 100 KLD	G-74
86(d)	Orange	Compressed Bio-gas (CBG)/Bio-CNG plants based on animal waste (dairy farms, poultry farms, and other animal waste) with wastewater generation more than 100 KLD	G-83

87.	Orange	Dairy Farm (Stand-alone or isolated dairy farm, having 15 animals & above)	R-78
88.	Orange	Building and Construction Projects, having built-up area up to 20,000 m² and waste water generation \geq 50 KLD.	
89.	Orange	Construction and Demolition (C&D) Waste Processing Plants.	
90.	Orange	Gold Assaying & Hallmarking Centres.	

Additional industries as per Pollution Index Score

91.	Orange	Manufacture of Bitumen Emulsion	
92.	Orange	Manufacturing of Aluminium Foils	
93.	Orange	Bottling of Anhydrous Ammonia and manufacture of Liquid Ammonia from Anhydrous Ammonia with Ammonia storage less than 60 T.	R-84
94.	Orange	Assembly of Aero-structures / Empennage	
95.	Orange	Mixing of Chemicals	
96.	Orange	Manufactures of Chocolate (Waste water generation < 100 KLD and fuel < 12 TPD)	R-77
97.	Orange	Manufactures of Jointing Mortar, Tile Adhesive, Plaster	
98.	Orange	Manufactures of PVC Leather Cloth	
99.	Orange	Instant Coffee production with waste water generation less than 100 KLD and fuel consumption less than 12 TPD	R-65
100.	Orange	Manufactures of Copper Rods & Bare and Copper Wires	
101.	Orange	Manufactures of Epoxide Resin Powder Coating	
102.	Orange	Engineering with Painting Activity	
103.	Orange	Gold / Silver Refining, Melting & Testing Units (using more than 1 litre of sulphuric acid/ nitric acid per month)	G-23
104.	Orange	Biotechnology process without solvents	R-68
105.	Orange	Airport & Commercial Air strips having discharge less than 100 KLD	Non-Industrial Operation (R-23)
106.	Orange	Health-care Establishment (as defined in BMW Rules) having total waste water generation less than 100 KLD	Non-Industrial Operation (R-30)
107.	Orange	Hotels having overall waste water generation less than 100 KLD and Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms.	Non-Industrial Operation (R-31 & G-52)
108.	Orange	Railway locomotive workshop/Integrated road transport Workshop / Authorized service centers having waste water generation less than 100 KLD.	Non-Industrial Operation (R-39)
109.	Orange	Manufactures of Activated Bleaching Earth	

110.	Orange	Gaushalas with overall wastewater generation of 100 KLD or more	G-65
111.	Orange	Cotton seed De-linting by Acid use (Wastewater generation < 100 KLD)	R-79 & G-73
112.	Orange	Seed processing – drying with fuel	R-80 & G-74
113.	Orange	Cob drying (fuel consumption more than 12 TPD)	G-75
114.	Orange	Crop research and development	
115.	Orange	Metal Injection Moulding with fuel burning more than 12 TPD.	G-76
116.	Orange	Autoclave Aerated Concrete Blocks / Bricks with fuel consumption more than 12 TPD	G-78
117.	Orange	Manufacture of Lithium Ion & Lithium Polymer Cell & Battery	
118.	Orange	Manufacture of Rubber Tyres with effluent generation less than 100 KLD and fuel consumption less than 24 TPD	R-83
119.	Orange	Manufacture of tubes from butyl rubber	
120.	Orange	Manufacture of Herbal Products using solvent extraction	G-80
121.	Orange	Railway Bogie Manufacturing with painting activity but without any metal surface treatment or process such as pickling / electroplating / paint stripping / heat treatment using cyanide bath / phosphating or finishing and anodizing / enamellings / galvanizing.	
122.	Orange	Common Effluent Treatment Plant (CETP) / effluent conveyance project with Orange category member industries	

Note: The same line of activity falling under two different categories have been indicated in the reference column