



**ANDHRA PRADESH POLLUTION CONTROL BOARD**  
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**Circular Memo No. 7 /APPCB/HO/CFO - UH:IV/2016 -**

**Date: 21.03.2016**

<b>Sub:</b>	APPCB - UH-IV - CFO - CPCB directions under section 18(1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 regarding harmonization of classification of industrial sectors under Red / Orange / Green / White Categories.- Instructions - Issued - Reg.
<b>Ref:</b>	1. CPCB directions vide F.No. B-29012/1/2012/ESS-1526, dt. 04.06.2012. 2. BO Circular No. PCB/METF/5/2002, dated 04.07.2012 3. CPCB directions vide B-29012/ESS(CPA)/2015/16, dt. 07.03.2016. 4. Member Secretary's Endorsement dt. 14.03.2016.

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It is to inform that vide reference 2<sup>nd</sup> cited above, the Central Pollution Control Board issued directions under Sector 18(1) (b) of Water Act, 1974 regarding classification of industrial sectors. The CPCB has communicated the Revised Classification of Industrial Sectors under **Red, Orange, Green and White** categories. The CPCB issued the following directions on 07.03.2016 while withdrawing earlier directions issued in June 2012 on categorisation of industries:

1. That the SPCBs and PCCs shall adopt the Revised Criteria of categorization of industrial sectors as detailed in table nos. F1, F2, F3 and F4 and revised Lists of Red, Orange, Green and White categories of industrial sectors, presented as table no G2, G3, G4 and G5 respectively.
2. That all pending applications for consideration of 'Consent to Establish' and 'Consent to Operate' and future such applications shall be processed as per revised criteria.
3. That the SPCBs and PCCs will provide the list of industries identified in each category existing in the State which have been considered for grant of consents. SPCBs/PCCs will forward the list of such industries before 31.05.2016 and the same will be uploaded on the websites of respective SPCB/PCC.
4. That the 'Revised Lists of Red, Orange, Green and White category of industrial sectors' shall be used by the SPCBs and PCCs for Consent Management and inventorization of industries under Red, Orange, Green and White categories. Siting of industries shall be only in conforming areas. SPCBs / PCCs shall evolve sector specific plans for control of pollution and industrial surveillance for verifying compliance.
5. That the SPCBs and PCCs shall revise / prepare the inventory of Red, Orange, Green and White categories of industries operating in their jurisdiction based on the revised criteria specified in the Final Report and submit the same to CPCB within 90 days i.e., before 30.05.2016 in hard copy as well as soft copy.

6. That the listed category of industries or those identified later-on under different categories shall not be linked to sanction of loan/finance or bank proceedings.
7. That any further addition of any new or left-over industrial sector and their categorization which is not listed in the revised list of Red, Orange, Green and White industrial sectors, shall be done at the level of concerned SPCB / PCC following revised criteria & guidelines as detailed in the attached document and no concurrence of CPCB shall normally be required. **It is further clarified that white categorization the industries, fractional numbers shall be rounded off to nearest integer.**

The CPCB has also directed to submit Action Taken Report on the compliance of above directions within one month from the date of receipt.

In view of the above, all the Unit Heads, Zonal Officers and Regional Officers are directed to follow the CPCB directions with immediate effect from the date of issue of directions i.e. 07.03.2016.

All the Zonal Officers and Regional officers are directed to submit within 15 days revised lists of industries of Red, Orange, Green and White categories duly following the revised classification of CPCB. There shall be no necessity of obtaining any consent for white category of industries and an intimation to the APPCB shall be sufficient.

All the ROs shall appraise the GMs of District Industries Centres along with CPCB directions about the reclassification of industries for taking action on submission of applications of consent application as per the revised criteria.

The ROs shall also inform the Industry Associations about the revised criteria.

The ROs/ZOs shall consult concerned units heads for any clarification on the directions of CPCB.

Treat this as top priority.



MEMBER SECRETARY

Enclosure: CPCB directions dated 07.03.2016.

To

1. The Chief Environmental Engineer.
2. All the Unit Heads at Head Office.
3. All the Zonal Officers at Zonal Offices
4. All the Regional Officers at Regional Offices.
5. IT Section to upload in the Website.

<b>ANDHRA PRADESH POLLUTION CONTROL BOARD</b>	
<b>LIST OF RED CATEGORY OF INDUSTRIAL SECTORS AS PER REVISED CATEGORISATION OF CPCB EFFECTIVE FROM</b>	
<b>SI No.</b>	<b>Industry Sector</b>
1	Isolated storage of hazardous chemicals (as per schedule of manufacturing, storage of hazardous chemicals rules, 1989 as amended)
2	Automobile Manufacturing (integrated facilities) i. Such types of plants are having either one or combinations of polluting activities viz. washing, metal surface finishing operations, pickling, plating, electro-plating, phosphating, painting, heat treatment etc. ii. Some of such plants may outsource some/all of the polluting activities. In such cases, after thorough inspection of such units by concerned SPCB, re-categorization of the industry shall be made accordingly.
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 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
9	Power generation plant [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW]
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
12	Sugar ( excluding Khandsari)
13	Fibre glass production and processing (excluding moulding)
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 assemblies 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
21	Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)
22	Organic Chemicals manufacturing
23	Airports and Commercial Air Strips
24	Asbestos and asbestos based industries
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) i. Mainly water polluting. ii. The water pollution score is normalized to 100 & valid for Hospitals having total waste-water generation > 100 KLD. iii. The hospitals with incinerator will be categorized as Red irrespective of the quantity of the waste -water generation. iv. The hospitals having Total waste-water generation less than 100 KLD and without incinerator, the normalized water pollution score will be 50 and will be categorized as Orange category

31	Hotels having overall waste- water generation @ 100 KLD and more. i. Mainly water polluting. Small boiler may be installed. ii. The water pollution score is normalized to 100 & valid for Hotels having waste-water generation > 100 KLD. iii. The hotels having more than 20 rooms and waste-water generation less than 100 KLD and having a coal / oil fired boiler, the pollution score will be 35/40 & are categorized as Orange. iv. The hotels having more than 20 rooms and waste-water generation less than 10 KLD and having no-boiler & no hazardous waste generation, the pollution score will be 20 & are categorized as Green.
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
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/Authorized service centers
40	Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring
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/ 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
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)
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
59	Pulp & Paper ( Large-Agro + wood), Small Pulp & Paper (agro based- heat straw/rice husk)
60	Distillery ( molasses / grain / yeast based)

**LIST OF ORANGE CATEGORY OF INDUSTRIAL SECTORS AS PER REVISED CATEGORISATION OF CPCB EFFECTIVE FROM 07.03.2016**

Sl. No.	Industry Sector
1	Dismantling of rolling stocks ( wagons/ coaches)
2	Bakery and confectionery units with production capacity > 1 TPD. ( With ovens / furnaces)
3	Chanachur and laddoo from puffed and beaten rice( muri and shira) using husk fired oven
4	Coated electrode manufacturing
5	Compact disc computer floppy and cassette manufacturing / Reel manufacturing

6	Flakes from rejected PET bottle
7	Food and food processing including fruits and vegetable processing
8	Jute processing without dyeing
9	Manufacturing of silica gel
10	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items
11	Printing or etching of glass sheet using hydrofluoric acid
12	Silk screen printing, sari printing by wooden blocks
13	Synthetic detergents and soaps(excluding formulation)
14	Thermometer manufacturing
15	Cotton spinning and weaving (medium and large scale)
16	Almirah, Grill Manufacturing (Dry Mechanical Process )
17	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)
18	Automobile servicing, repairing and painting (excluding only fuel dispensing)
19	Ayurvedic and homeopathic medicine
20	Brickfields ( excluding fly ash brick manufacturing using lime process)
21	Building and construction project more than 20,000 sq. m built up area
22	Ceramics and Refractories
23	Coal washeries
24	Dairy and dairy products ( small scale)
25	DG set of capacity >1MVA but < 5MVA
26	Dry coal processing, mineral processing, industries involving ore sintering, pelletising, grinding & pulverization
27	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol)
28	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-
29	Fertilizer (granulation / formulation / blending only)
30	Fish feed, poultry feed and cattle feed
31	Fish processing and packing (excluding chilling of fishes)
32	Forging of ferrous and non- ferrous metals ( using oil and gas fired furnaces)
33	Formulation/pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders.
34	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and
35	Gravure printing, digital printing on flex, vinyl
36	Heat treatment using oil fired furnace ( without cyaniding)
37	Hot mix plants
38	Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms.
39	Ice cream
40	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules,
41	Industries engaged in recycling / reprocessing/recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules,
42	Industry or processes involving foundry operations
43	Lime manufacturing (using lime kiln)
44	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing
45	Manufacturing of glass
46	Manufacturing of iodized salt from crude/ raw salt
47	Manufacturing of mirror from sheet glass
48	Manufacturing of mosquito repellent coil
49	Manufacturing of Starch/Sago
50	Mechanized laundry using oil fired boiler
51	Modular wooden furniture from particle board, MDF< swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips
52	New highway construction project
53	Non-alcoholic beverages(soft drink) & bottling of alcohol/non alcoholic products
54	Paint blending and mixing (Ball mill)
55	Paints and varnishes (mixing and blending)
56	Ply-board manufacturing( including Veneer and laminate) with oil fired boiler/ thermic fluid heater(without resin plant)
57	Potable alcohol ( IMFL) by blending, bottling of alcohol products
58	Printing ink manufacturing
59	Printing press
60	Reprocessing of waste plastic including PVC
61	Rolling mill (oil or coal fired) and cold rolling mill
62	Spray painting, paint baking, paint shipping
63	Steel and steel products using various furnaces like blast furnace /open hearth furnace/induction furnace/arc
64	Stone crushers
65	Surgical and medical products including prophylactics and latex
66	Teflon based products
67	Thermocol manufacturing ( with boiler)

68	Tobacco products including cigarettes and tobacco/opium processes
69	Transformer repairing/ manufacturing ( dry process only)
70	Tyres and tubes vulcanization/ hot retreating
71	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils
72	Wire drawing and wire netting
73	Dry cell battery ( excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale
74	Pharmaceutical formulation and for R & D purpose ( For sustained release/ extended release of drugs only and not for commercial
75	Synthetic resins
76	Synthetic rubber excluding molding
77	Cashew nut processing
78	Coffee seed processing
79	Parboiled Rice Mills
80	Foam manufacturing
81	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules,
82	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HW( M, H& TBM) rules,
83	Producer gas plant using conventional up drift coal gasification ( linked to rolling mills glass and ceramic industry refectories for

**LIST OF GREEN CATEGORY OF INDUSTRIAL SECTORS AS PER REVISED CATEGORISATION OF CPCB EFFECTIVE FROM 07.03.2016**

Sl. No.	Industry Sector
1	Aluminium utensils from aluminium circles by pressing only (dry mechanical operation)
2	Ayurvedic and homeopathic medicines (without boiler)
3	Bakery /confectionery /sweets products (with production capacity 1 tpd (with gas or electrical oven)
4	Bi-axially oriented PP film along with metalizing operations
5	Biomass briquettes (sun drying) without using toxic hazardous wastes
6	Blending of mela mine resins & different powder, additives by physical mixing
7	Brass and bell metal utensils manufacturing from circles(dry mechanical operation without re-rolling facility)
8	Candy
9	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)
10	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	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	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)
13	Chilling plant, cold storage and ice making
14	Coke briquetting (sun drying)
15	Cotton spinning and weaving (small scale)
16	Dal Mills
17	Decoration of ceramic cups and plates by electric furnace
18	Digital printing on PVC clothes
19	Facility of handling, storage and transportation of food grains in bulk
20	Flour mills (dry process)
21	Glass , ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln
22	Glue from starch (physical mixing) with gas / electrically operated oven /boiler.
23	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)
24	Heat treatment with any of the new technology like ultrasound probe , induction hardening , ionization beam, gas carburizing etc .
25	Insulation and other coated papers (excluding paper or pipe manufacturing)
26	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)
27	Lubricating oil, greases or petroleum based products (only blending at normal temperature)
28	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying
29	Oil mill Ghani and extraction (no hydrogenation / refining)
30	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
31	Phenyl/toilet cleaner formulation and bottling
32	Polythene and plastic processed products manufacturing (virgin plastic)
33	Poultry, Hatchery and Piggery

34	Power looms (without dye and bleaching)
35	Puffed rice (muri) (using gas or electrical heating system)
36	Pulverization of ba mboo and scrap wood
37	Ready mix cement concrete
38	Reprocessing of waste cotton
39	Rice mill (Rice hullers only)
40	Rolling mill ( gas fired) and cold rolling mill
41	Rubber goods industry (with gas operated baby boiler)
42	Saw mills
43	Soap manufacturing (hand made without steam boiling / boiler)
44	Spice grinding (upto-20 HP motor)
45	Spice grinding (>20 hp motor)
46	Steel furniture without spray painting
47	Steeping and processing of grains
48	Tyres and tube retreating (without boilers)
49	Chilling plant and ice making without using ammonia
50	CO2 recovery
51	Distilled water (without boiler) with electricity as source of heat
52	Hotels (up to 20 rooms and without boilers)
53	Manufacturing of optical lenses (using electrical furnace)
54	Mineralized water
55	Tamarind powder manufacturing
56	Cutting, sizing and polishing of marble stone
57	Emery powder ( fine dust of sand) manufacturing
58	Flyash export, transport & disposal facilities
59	Mineral stack yard / Railway sidings
60	Oil and gas transportation pipeline
61	Seasoning of wood in steam heated chamber
62	Synthetic detergent formulation
63	Tea processing ( with boiler) With boiler, it is an orange category industry. Without boiler, it will be green category industry.

**LIST OF WHITE CATEGORY OF INDUSTRIAL SECTORS AS PER REVISED CATEGORISATION OF CPCB EFFECTIVE FROM 07.03.2016**

Sl. No.	Industry Sector
1	Assembly of air coolers /conditioners ,repairing and servicing
2	Assembly of bicycles ,baby carriages and other small non motorizing vehicles
3	Bailing (hydraulic press)of waste papers
4	Bio fertilizer and bio-pesticides without using inorganic chemicals
5	Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)
6	Blending and packing of tea
7	Block making of printing without foundry (excluding wooden block aking)
8	Chalk making from plaster of Paris ( only casting without boilers etc. ( sun drying / electrical oven)
9	Compressed oxygen gas from crude liquid oxygen ( without use of any solvents and by maintaining pressure & temperature only for separation of other gases)
10	Cotton and woolen hosiers making ( Dry process only without any dyeing / washing operation)
11	Diesel pump repairing and servicing (complete mechanical dry process)
12	Electric lamp ( bulb) and CFL manufacturing by assembling only
13	Electrical and electronic item assembling (completely dry process)
14	Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)
15	Flavoured betel nuts production/ grinding (completely dry mechanical operations)
16	Fly ash bricks/ block manufacturing
17	Fountain pen manufacturing by assembling only
18	Glass ampules and vials making from glass tubes
19	Glass putty and sealant ( by mixing with machine only)
20	Ground nut decorticating
21	Handloom/ carpet weaving ( without dyeing and bleaching operation)
22	Leather cutting and stitching (more than 10 machine and using motor)
23	Manufacturing of coir items from coconut husks
24	Manufacturing of metal caps containers etc
25	Manufacturing of shoe brush and wire brush

26	Medical oxygen
27	Organic and inorganic nutrients ( by physical mixing)
28	Organic manure (manual mixing)
29	Packing of powdered milk
30	Paper pins and u clips
31	Repairing of electric motors and generators (dry mechanical process)
32	Rope (plastic and cotton)
33	Scientific and mathematical instrument manufacturing
34	Solar module non conventional energy apparatus manufacturing unit
35	Solar power generation through solar photovoltaic cell, wind power and mini hydel power (less than 25 MW)
36	Surgical and medical products assembling only (not involving effluent / emission generating processes)