

Vol-II

# HARYANA STATE POLLUTION CONTROL BOARD



## AGENDA

For the

178<sup>th</sup> meeting of the Board

to be held on 20-01-2018 at 11.30 A.M

PANCHKULA

**Categorization of industrial sectors/projects for consent management under Water (Prevention and Control of Pollution) Act, 1974 and Air Water (Prevention and Control of Pollution) Act, 1981.**

The industrial sectors/projects were categorized by the Board under Red, Orange and Green Categories on the basis of directions of Central Pollution Control Board (CPCB) issued in June, 2012, for the purpose of consent management under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, vide policy order Endst. No. 10195-10218 dated 07.03.2014 and published in the Haryana Government Gazette on 15.04.2014 (**Annexure-I**).

Now the CPCB has withdrawn the earlier directions issued in June, 2012 in context of categorization of industrial sectors as Red, Orange, and Green and revised the categorization of industrial sectors/projects under Red, Orange, Green and white categories for the purpose of consent management under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 based upon the range of pollution index through modified directions issued under section 18 (1) (b) of the water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 vide letter no. B-29012/ESS(CPA)/2015-16/8571 dated 07.03.2016 (**Annexure-II**).

The CPCB vide above said modified directions, has directed all the State Pollution Control Board (SPCBs) to adopt the revised criteria of categorization of industrial sectors and revised lists of Red, Orange and Green and white categories of industrial sectors as mentioned in the final report attached with the above said directions and to use the same by all the SPCBs for the purpose of consent management under section 25/26 of Water Act, 1974 and 21 of Air Act, 1981 and inventorization of industries under Red, Orange and Green and white categories. It has been provided in the final documents on revised classification of industrial sectors appended with the above modified directions of CPCB that there shall be no necessity of obtaining the consent to operate for white category of industries and an intimation to concerned SPCB shall suffice.

It has been further provided in the above said CPCB direction that siting of industries requiring consent shall be only in confirming areas and no Red category of industries shall normally be permitted in the ecologically fragile area/protected area.

It has also been prescribed in the above said CPCB modified directions that any further addition of any new or left over industrial sectors and their categorization, which is not listed in the revised list of Red, Orange and Green and white industrial sectors, shall be done at the level of concerned SPCB/PCC by a committee headed by the Member Secretary and comprising of two Senior cadre Engineers/ Scientists of the SPCB by following revised criteria & guidelines as detailed in the attached documents and no concurrence of CPCB shall normally be required.

In compliance of the above provisions, a committee comprising of 2 senior officers headed by Member Secretary of the Board, was constituted vide order Endst.

No. 6862 dated 03.05.2016 (**Annexure-III**) to identify and inventorize the state specific left over industrial sectors and for their categorization, which are not listed in the revised list of Red, Orange and Green and white categories industrial sectors finalized by the CPCB.

Therefore based on the revised criteria of categorization of industrial sectors and revised lists of Red, Orange, Green and white categories of industrial sectors as mentioned in the final report attached with the said modified directions of the CPCB issued vide letter dated 07.03.2016 and report & recommendations submitted on 01.07.2016 by the committee of this Board constituted for this purpose, consolidated revised lists of industrial sectors/projects categorized under Red, Orange, Green and white categories, have been finalized and implemented for the purpose of consent management under Water Act, 1974 and Air Act, 1981 vide order Endst. No HSPCB/PLG-135/2016/546-572 dated 14.07.2016 (**Annexure-IV**) in supersession of the earlier categorization of industrial sectors/projects done by the Board vide policy order Endst No. 10195-10218 dated 07.03.2014 published in the gazette on 15.04.2014. The corrigendum & clarification issued thereafter with regard to the categorization of industrial sectors/projects vide order endst No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017, No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017 and Endst. No. HSPCB/PLG-135/2017/5848-5878 dated 13.11.2017 are given at **Annexure-V, VI & VII** respectively which has also been implemented for the purpose of consent management.

The matter is placed before the Board for consideration and Ex-Post Facto approval.

Amended - I

18/3/239

Regd. No. CHD/0093/2014



# Haryana Government Gazette

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No. 15 | CHANDIGARH, TUESDAY, APRIL 15, 2014 (CHAITRA 25, 1936 SAKA)

### PART III

Notifications by High Court, Advertisement, Notices and Change of Name etc.

#### CHANGE OF NAME

I, Sat Pal Arora S/o Shri Bhagwan Dass residence of H. No. 365, Sector 14, HUDA, Rohtak-124001 (Haryana) have changed my name Sat Pal Arora to Sat Pal.

[ 102—1 ]

#### CHANGE OF NAME

I, Tapan Wadhawa S/o Shri Sat Pal residence of H. No. 365, Sector 14, HUDA, Rohtak-124001(Haryana) have changed my name Tapan Wadhawa to Tapan Wadhwa.

[ 103—1 ]

#### CHANGE OF NAME

I, Shefali D/o Shri Bajrang Singla R/o 13/26, Subash Nagar, Rohtak Road, Jind declare that I have changed my name from Saifali to Shefali please concerned note.

[ 104—1 ]

#### CHANGE OF NAME

I, Meena W/o Shri Pawan Kumar R/o VPO Bilaspur, Yamina Nagar have changed my name Meena to Neena. I will known in future by Neena.

[ 105—1 ]

Price : Rs. 5.00

**CHANGE OF NAME**

I, Raman Parihar *alias* Rameshwari W/o Shri Birbal Ram Parihar R/o Ward No. 11, Mandi Dahwan (Sirsa), have changed my name to Rameshwari.

[ 106—1 ]

**CHANGE OF NAME**

I, Sarvjeet Kaur D/o Shri Gurdayal Singh W/o Shri Sarabjeet Singh Khara R/o VPO Sikandarpur Tehsil and District Sirsa have changed my name from Sarvjeet Kaur to Harpreet Kaur Khara after marriage. All concerned note.

[ 107—1 ]

**CHANGE OF NAME**

I, Sanjiv Kumar S/o Shri Om Dutt Village Haria Bass, District Yamuna Nagar have changed my minor son name Vishavbandu (Vebhav) to Vebhav Dutt Sanjiv Coomar. Please concerned note

[ 108—1 ]

**CHANGE OF NAME**

I, Umang Garg S/o Shri Vikas Garg R/o H. No. 866/730, Garg Bhawan, Railway Road, Karnal have changed my name to Bhuvnesh Garg. All concerned please note.

[ 109—1 ]

**HARYANA STATE POLLUTION CONTROL BOARD  
C-11 SECTOR-6, PANCHKULA**

PH. -0172-577870-73, FAX NO. 2581201

**ORDER**

In pursuance of the provisions of section 25, 26 and 27 of the Water (Prevention & Control of Pollution) Act, 1974 read with Rule 22 of the Haryana Water (Prevention & Control of Pollution) Rules 1978 and section 21 of Air (Prevention & Control of Pollution) Act, 1981 read with Rule 15 of the Haryana Air (Prevention & Control of Pollution) Rules, 1983 and Rule 5 of the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 Haryana State Pollution Control Board in its 169<sup>th</sup> and 170<sup>th</sup> meeting has decided to lay down the following procedure for obtaining Consent to Establish and Consent to Operate and Authorization under the said Acts and the Rules :-

**1. Procedure for Grant of Consent to Establish (CTE)**

**(i) Red & Orange Category**

The industrial units/projects falling under Red & Orange Categories mentioned in **Annexure-A & B** respectively, shall apply for Consent to Establish on-line on the prescribed form alongwith requisite fee available on the website of the Board i.e. [www.hspcb.gov.in](http://www.hspcb.gov.in). The industrial units/projects have to first get registered with the Board by filling form for registration online and will be assigned a unique User ID and Password. Then industry can apply for Consent to Establish through login ID and Password. All documents applicable for respective industrial units/projects mentioned in the checklist given at **Annexure-D** must be submitted by uploading softcopy. The project/ industry must go through Industry User Manual given on the website of the Board at Online Consent Management System.

These industrial units/projects shall submit a performance security in the form of Demand Draft in favour of Haryana State Pollution Control Board payable at Panchkula as per the slab given at **Annexure-E** signifying adherence to the prescribed standards under the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 alongwith an undertaking by the applicant indicating awareness of the prescribed standards and commitment to comply with the same on the format given at **Annexure-F**. The performance security shall also be applicable to Ex-post facto CTE cases. The performance security shall be refunded / retired simultaneously with the grant of second CTO subject to compliance of the prescribed standards for discharge of pollutants during the period

of first CTO. For expansion projects, the performance security and CTE fees shall be taken based on the cost of the expansion project.

The CTE so granted shall be valid for a period of 02 years or as mentioned in the project report whichever is earlier, extendable upto 05 years at the discretion of the Competent Authority. In case of specific projects like Power Plants, Fertilizers, Refineries etc., CTE shall be valid upto five years extendable up to another 05 years at the discretion of the Competent Authority. For Stone Crushers, the period will be as per Notification No. S.O 126 /C.A29 /86/S.5 & 7197 dated 18<sup>th</sup> December, 1997 issued by the Government of Haryana, Environment Department. For extension of CTE, units are required to deposit CTE fees on yearly basis alongwith the request for the same, status of construction of project and installation of pollution control measures before 60 days of expiry of CTE period. No other documents will be required in the case of extension of CTE.

For the CTE cases of Hot Mix Plants, Screening Plants and Stone crushers, the industrial units/projects will submit the report of concerned Tehsildar w.r.t siting parameters prescribed by the Government of Haryana.

In case of Brick kilns, the unit will submit the design of Gravitational Chamber and stack issued alongwith adequacy certificate issued by any of the following agencies authorized by the Board:-

- a) Punjab Science & Technology, Chandigarh
- b) Central Building Research Institute (CBRI), Roorkee
- c) Priya Bricks & Technology Pvt.Ltd. New Delhi.

The industrial units/projects which fall in the area of Aravali Notification dated 7<sup>th</sup> May, 1992, shall require prior clearance from competent authority under Aravali Notification. The report of Aravali area in the Districts of Gurgaon & Mewat for the purpose of Consent to Establish (CTE) shall be taken from Tehsildar through Deputy Commissioner and from concerned District Forest Officer. However, in case of industrial units/projects located in approved industrial estates/approved HUDA sectors, verification report from Regional Officer would be required.

The consent to establish shall be granted or refused on the merits of the case after examination at headquarter with the approval of the Chairman.

(ii) **Green Category**

The industrial units / projects falling under Green Category given at Annexure-C and other units not covered under Red & Orange category of units, shall be exempted from Consent Management and need not apply for Consent to Establish and Consent to Operate to the Board. However, these units will have to provide pollution control devices depending upon their process and activities. These

industrial units / projects shall be governed by self regulatory regime and would not be permitted to pollute the environment

**(iii) Environmental Clearance :**

The units covered under Environment Impact Assessment (EIA) Notification dt. 14.09.2006 as amended from time to time shall obtain Environmental Clearance first and then apply for Consent to Establish to the Board. However, Public Hearing wherever required shall be conducted by the Board after submission of application EIA reports (3 copies), Executive summary (10 copies each in Hindi & English in hard as well as soft copy) and prescribed public hearing fee to the Board.

The projects falling in the revenue estates covered in the Notification no. 191(E) dt. 27.08.2010 issued by Ministry of Environment and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon, shall comply with the provisions of said Notification and will obtain the prior permission of the Monitoring Committee and the Prescribed Authority constituted under the said Notification

**2. Procedure for Grant of Consent to Operate (CTO)**

The first consent to operate shall be issued in two parts

- (i) Consent to operate for trial production.
- (ii) Consent to operate for regular production.

The industrial units shall apply for consent to operate for trial production through Online Consent Management System only on the prescribed Common Consent form under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 respectively along with documents as per check list given at Annexure-G, compliance of conditions of CTE and Environmental Clearance (if applicable) and consent fees applicable. In case the unit is covered under Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008, it shall simultaneously apply for the same. For hazardous waste application, no fee is required to be deposited.

**a) Consent to Operate for Trial Production**

The Regional Officer after verification shall issue Consent to Operate for a period upto 1 to 3 months for trial production depending on the stabilization time required for ETP/APCM/STP installed for each category of industries/projects. There is no requirement of analysis report for consent to operate for trial production as Pollution Control Measures need some time for stabilization after its installation. In case there is no requirement of stabilization of pollution control measures and analysis reports, then case will be processed directly for regular consent to operate.



b) **Consent to Operate for Regular Production**

i) **First Consent to Operate**

After trial consent, the new units are required to obtain consent to operate online within the expiry period of trial consent which shall be granted at the level of Head Office after thorough technical scrutiny. The application submitted while seeking the consent for trial production will be considered for regular consent to operate and authorization, provided that the unit will submit request for regular consent alongwith the compliance of the conditions of trial consent and analysis report of effluent / air emissions / noise monitoring report of DG set as applicable and first consent / authorization will be granted for a period of one year w.e.f. the date of issue of trial consent or will be refused depending on the merits of the case with the approval of the Chairman.

ii) **Renewal of Consent to Operate**

The industrial units / projects which are already in operation shall submit the consent application only through Online Consent Management System for renewal of consent under Water Act, 1974/Air Act, 1981 and authorization under the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 for the prescribed period depending upon the category of the units / projects along with the documents as mentioned at Annexure-G and prescribed consent fees, before 90 days of the expiry of the period of consent/authorization so that the consent case may be decided before the expiry date of the consent / authorization. However, unit shall not operate without valid consent to operate under Water Act, 1974/Air Act, 1981 and authorization under Hazardous Waste (MH & TM) Rules, 2008 from the Board.

If the industrial units / projects fails to apply before 90 days of the expiry of previous consent and applies 60 days before the expiry of previous consent, the unit shall have to pay additional consent fee @ 50% of the consent fee notified under the Rules. Subsequently, if the unit fails to apply before 60 days of the expiry of previous consent and applies 30 days before the expiry of previous consent, then the unit will have to pay additional consent fee @ 100% of the consent fee applicable. If the unit fails to apply 30 days before the expiry of the previous consent, the unit will have to pay additional consent fee @ 200% of the consent fee applicable. Thereafter, the Board will take closure action under the provisions of Water Act, 1974 / Air Act, 1981 against such units for not having the valid consent to operate. In case the unit apply for renewal of CTO after the date of expiry of consent period or after taking the penal action as described above then such applications will be entertained only if such units deposit consent fees for the longer period as per the policy of the Board depending upon the category of the unit alongwith the additional fees @ 300% of the

consent fees prescribed for one year alongwith normal consent fees for subsequent years.

- (iii). **Procedure for obtaining Consent to Operate (CTO) for the units operating before 01.04.2012 and has been covered under consent management first time after 01.04.2012 in view of inclusion of the project / unit covered under consent management as per Board's Notification dated 01.04.2012 and orders dated 16.11.2012.**

The industrial units / projects which were operating before 01.04.2012 and has been covered under consent management first time after 01.04.2012 in view of inclusion of the projects / units under consent management as per Board's Notification dated 01.04.2012 and orders dated 16.11.2012, shall apply for CTO through online consent management system in the prescribed form alongwith consent fees and other documents as mentioned in the checklist given at **Annexure-H**. Consent to operate shall be granted only to those industrial units / projects fulfilling the criteria as mentioned in the checklist.

- (iv) **Period for grant of consent to operate**

The consent may be granted even to those units which have past violations are complying as on date subject to the legal action to be taken against such units for past violations as per policy of the Board. First consent shall be granted for one year and subsequent consents can be granted for a period as per following schedule

Category	Maximum period of grant of consent
Red	2 years
Orange	3 years

The authorization under Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 for industries / projects shall be granted for 5 years as provided in the said Rules.

- (v) **Analysis Reports**

The unit will supply fresh analysis reports of air emissions of all sources and effluent of all sources from outlet of their ETPs / STPs. There will be no need to submit analysis report for small boilers having steam generating capacity upto 2 tonnes per hour where Light Diesel Oil / High Speed Diesel / Gas / Electricity is used as fuel, provided the unit has minimum stack height of 11 meters for all Boilers or 3 meters above the roof level whichever is higher. The Ambient Air Quality report is required only in the cases of large and medium scale units or where there are specific complaints. In case water is used only for cooling purpose and being recirculated completely there would be no requirement of any analysis report. However the units which have installed Effluent Treatment Plants/ Sewage Treatment Plants and utilizing the treated effluent within their process or agriculture/ horticulture

purpose within their premises shall also submit the analysis reports from outlet of the ETPs/STPs. The grossly polluting industries and 17 categories highly polluting industries defined by the CPCB will submit the analysis reports on quarterly basis. In case of Brick-Kilns, the monitoring report of air emissions alongwith adequacy certificate for Gravitational Chamber and Stack height issued by any of the authorized agencies mentioned at S.No. 1(i) will be submitted alongwith the consent to operate application.

However, in case the increase in quality of effluent is intended to exceed the quantity of effluent for which consent to establish was granted or there is increase in no of stacks/ source of emission from the previous year or any expansion in the project or change in manufacturing process is proposed then the fresh prior consent to establish will be taken.

In case the industry is found to create conditions that generate any type of pollution in excess of the standards or if there is any objection/ complaint from the surrounding community & if on verification, it is found that such objection has some substance even after grant of CTE/CTO by the Board, the Board shall be at liberty to revoke/withdraw the CTE/CTO already issued & take legal action under the provision of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986 as considered appropriate.

This policy shall supersede the policy notification dt 1/04/2012 and shall come into force with immediate effect.

Dated Panchkula the  
6<sup>th</sup> March, 2014

Dr. Mahavir Singh, IAS  
Chairman

Endst. No. HSPCB/2014/

Dated :

A copy of the above is forwarded to the following for information and necessary action:-

1. All Branch Incharges in the Head Office.
2. All Regional Officers of the Board in the field.
3. All Laboratory Incharges of the Board.
4. PA to Chairman.
5. PS to Member Secretary.

Sr. Environmental Engineer-I (HQ)  
For Chairman

Endst. No. HSPCB/2014/

Dated :

A copy of the above is forwarded to the following for information please :-

1. The Principal Secretary, Environment Department, Haryana
2. The Director, Environment Department, Haryana

Sr. Environmental Engineer-I (HQ)  
For Chairman

## Annexure-A

## Red category of industries

Sr. No.	Name of Industry
1.	Airports, and Commercial Air Strips
2.	Aluminum smelter
3.	Asbestos and asbestos based industries
4.	Automobiles Manufacturing (Integrated facilities)
5.	Basic Chemicals and electro chemicals and its derivatives including manufacture of acids
6.	Cement
7.	Ceramic, Refractories
8.	Chlor Alkali
9.	Chlorates, perchlorates and peroxides
10.	Chlorine, fluorine, bromine, iodine, and their compounds
11.	Coal Washeries
12.	Coke making, liquefaction, coal tar distillation or fuel gas making
13.	Common Treatment and disposal facilities (CETP, TSDF, E-Waste recycling/ dismantling CBMWTF, Effluent conveyance project, Incinerators, Solvent/Acid recovery plant, MSW sanitary landfill sites, STP)
14.	Copper smelter
15.	Distillery including Fermentation industry
16.	Dry coal processing/ mineral processing, industries involving ore sintering, palletisation, grinding, pulverization
17.	Dyes and Dye-Intermediates
18.	Emulsion of oil & water
19.	Fermentation industry including manufacture of yeast, beer, malt, distillation of alcohol (ENA)
20.	Ferrous and Non ferrous metal extraction involving different furnaces through melting, refining, reprocessing, casting and alloy making
21.	Fertilizer (basic) (excluding formulation)
22.	Fibre glass production and processing (Excluding moulding)
23.	Fire crackers manufacturing and bulk storage facilities
24.	Flakes from rejected PET bottle
25.	Fly ash export, transport and disposal facilities
26.	Health care establishment (20 Beds & Above)
27.	Heavy engineering including Ship Building (With investment on Plant & Machinery more than Rs. 10 Crore)
28.	Hot mix plants
29.	Hotels (3 Star & above)
30.	Hydrocyanic acid and its derivatives

31	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black
32	Industrial estates/parks/complexes/areas/export processing zones/SEZs/ Biotech parks/ leather complex
33	Industrial inorganic gases namely - a) Chemical gases: Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine b) Hydrocarbon gases: Methane, ethane, propane
34	Industries engaged in recycling /reprocessing/recovery /reuse of Hazardous Waste under schedule IV of Hazardous Waste (M. H8 TBM) Rules, 2008 and its amendments
35	Industry or process involving foundry operations
36	Industry or process involving metal surface treatment or process such as pickling, plating/electroplating/ paint stripping/ heat treatment/ phosphating or finishing and anodizing/ enameling/ galvanizing
37	Iron and Steel (involving processing from ore/ integrated steel plants and or Sponge Iron Units)
38	Isolated storage of hazardous chemicals (as per schedule of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended)
39	Lead acid battery manufacturing(excluding assembling & charging of acid lead battery in micro scale < Rs. 25 lakhs)
40	Lime manufacturing (Using Lime Kiln)
41	Manufacturing of Explosives, detonators, fuses including management and handling activities.
42	Manufacturing of Glass
43	Manufacturing of Gums and gelatin
44	Manufacturing of Lubricating oils, greases or petroleum based products
45	Manufacturing of Paints, Varnishes, pigments and intermediate (excluding blending/ mixing)
46	Manufacturing of Starch/Saggo
47	Milk processing and dairy products (integrated project)
48	Mineral stack yards/ Railway sidings
49	Mining and ore beneficiation
50	New Highway construction projects
51	Non alcoholic beverage (soft drink) & bottling of alcoholic/non-alcoholic products (capital investment on plant & machinery > 1 crore)
52	Nuclear Power Plants
53	Oil & Gas extraction including CBM (offshore & onshore extraction through drilling wells)
54	Oil and gas transportation pipeline
55	Oil Refinery (Mineral Oil or Petro Refineries)
56	Organic chemicals manufacturing
57	Parboiled rice mills (more than 10 TPD)
58	Pesticides (Technical) (excluding formulation)
59	Petrochemicals (Manufacture of and not merely use of as raw material)
60	Pharmaceuticals (excluding formulation)

61.	Phosphate rock processing plant
62.	Phosphorous and its compounds
63.	Photographic films and its chemicals
64.	Ports & Harbours, Jetties and Dredging Operations
65.	Power Generation Plants [Except Wind, Solar and Mini Hydel Power plants of capacity <25 MW) and DG set of capacity > 5 MVA]
66.	Processes involving chlorinated hydrocarbons
67.	Pulp and Paper (paper manufacturing with or without pulping)
68.	Railway Locomotive workshops / Integrated Road transport workshop/ Authorised service centres
69.	Reprocessing of used oils and waste oils
70.	Ship breaking activities
71.	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
72.	Soda Ash
73.	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
74.	Stone crushers
75.	Sugar (excluding Kharosan)
76.	Surgical and medical products involving prophylactics and latex
77.	Synthetic detergents and soaps (excluding formulation)
78.	Synthetic fibres including rayon, tyre cord, polyester filament yarn
79.	Synthetic resins
80.	Synthetic rubber excluding molding
81.	Tanneries
82.	Thermal Power Plants
83.	Tobacco products including cigarettes and tobacco/ opium processing
84.	Vegetable oils including solvent extraction and refinery/ hydrogenated oils
85.	Yarn/ textile processing involving any effluent/ emission generating process, bleaching, dyeing, printing and scouring
86.	Zinc Smelter

**Note :** Any Industry/ Industrial activity which is not covered in above list having coal fired boiler with steam generation capacity more than 5 Ton / hour will be covered under Red Category

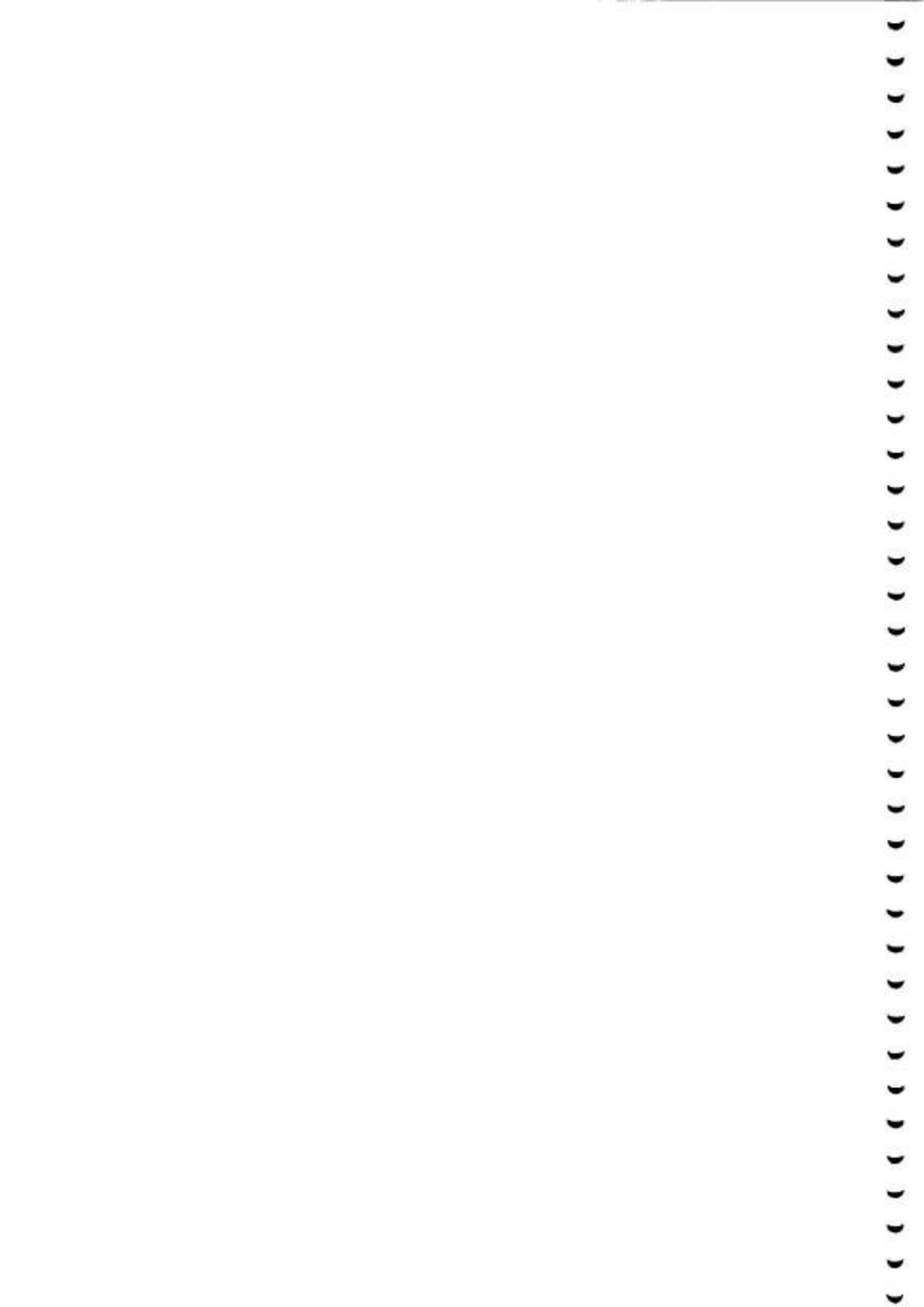
## Orange Category of Industries

Sr. No.	Name of Industry
1.	Almirah, Grill Manufacturing
2.	Aluminium and Copper extraction from scrap using oil fired furnace
3.	Assembling of Acid lead battery (up to 10 batteries per day excluding lead plate casting)
4.	Automobile servicing, repairing and painting (excluding only fuel dispensing)
5.	Ayurvedic and Homeopathic medicine
6.	Bakery & confectionary units with production capacity > 1 tpd)
7.	Biaxially oriented PP film alongwith metalizing operation
8.	Brickfields (excluding fly ash brick manufacturing using lime process)
9.	Building & construction projects more than 20,000 sq. mtr built up area
10.	Cardboard Mills (Except cottage industries)
11.	Cashew nut processing
12.	Chanachur and laddo from puffed and beaten rice (muri and chira) using husk fired oven
13.	Chilling plant, cold storage and ice making
14.	Coffee seed processing
15.	Coke briquetting (sun drying)
16.	Cotton spinning and weaving (medium and large scale)
17.	Cutting, sizing and polishing of marble stones
18.	Dairy and dairy products (small scale) (capital investment on plant & machinery < Rs. 1 crore)
19.	Dal Mills
20.	DG Set of capacity > 1 MVA but < 5 MVA)
21.	Digital printing on PVC cloth
22.	Dismantling of rolling stocks(wagons/coaches)
23.	Dry cell battery (excluding manufacturing of electrodes) & assembling & charging of acid lead battery in micro scale] - Rs. 25 lakhs]
24.	Emery powder(fine dust of sand) manufacturing
25.	Engineering and fabrication units (With investment on Plant & Machineries < Rs. 10 Crores)
26.	Excavation of sand from the river bed(excluding manual excavation)
27.	Facility of handling, storage and transportation of food grains in bulk.
28.	Fertiliser (granulation and formulation only)
29.	Fish feed, poultry feed and cattle feed
30.	Fish processing and cackaging (excluding chilling of fish)
31.	Foam manufacturing
32.	Food & food processing including fruits & vegetable processing
33.	Forging of ferrous & non-ferrous metal (using oil or gas fired boilers)
34.	Formulation of Pesticides/ Insecticides
35.	Formulation/paleization of camphor tablets, naphthalene balls camphor/naphthalene powders
36.	Glass, ceramic, earthen potteries and tile manufacturing using oil or gas fired kiln. Coating on glasses using cerium fluoride, magnesium fluoride etc.
37.	Glue from starch (physical mixing)
38.	Gravure printing, digital printing on flex, vinyl
39.	Heat treatment using oil fired furnace (excluding cyaniding)
40.	Hotels (Less than 3 star)
41.	Ice cream

42.	Infrastructure development project
43.	Jute processing without dyeing
44.	Liquid floor cleaner black phenyl liquid soap, glyserol monostearate manufacturing.
45.	Manufacture of mirror from sheet glass
46.	Manufacturing of iodized salt from crude/raw salt
47.	Manufacturing of mosquito repellent coil
48.	Manufacturing of toothpowder, toothpaste, talcum powder and other cosmetic items
49.	Mechanized laundry using oil fired boiler
50.	Mineral Grinding / Pulverizing units.
51.	Mineralized water; carbonated soda bottling plants.
52.	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
53.	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
54.	Paint blending & mixing (Ball mill)
55.	Pharmaceutical formulation and for R&D purpose (for sustained release/extended release of drugs only and not for commercial purpose)
56.	Plyboard manufacturing (including veneer & laminate) with oil fired boiler/thermic fluid heater (without resin plant)
57.	Polythene & plastic processed products manufacturing (virgin plastics)
58.	Potable alcohol (IMFL) by blending, bottling of alcoholic products (capital investment on plant & machinery < Rs. 1 crore)
59.	Poultry (more than 1 lac birds), Hatchery, Piggery
60.	Power press
61.	Printing ink manufacturing
62.	Printing or etching of glass sheet using hydrofluoric acid
63.	Printing press (L & M)
64.	Producer gas plant using conventional up-draft coal gasification (linked to rolling mills, glass and ceramic industry, refractories for dedicated fuel supply)
65.	Pulverization of bamboo and scrap wood
66.	Pyrolysis of waste tyres
67.	Ready mix concrete plants
68.	Repairing of electric motor & generator
69.	Reprocessing of waste plastic (excluding PVC)
70.	Rice mill less than 10 TPD & rice hullers
71.	Rolling Mill (oil or gas fired) and cold Rolling mill
72.	Saw mill
73.	Screening Plants.
74.	Seasoning of wood in steam heated chamber
75.	Silk screen printing, Saree printing by wooden blocks
76.	Spice grinding (> 20 HP motor)
77.	Spray painting, paint baking, paint stripping
78.	Stainless Steel Buifing units
79.	Surgical Cotton Industries
80.	Tamarind powder manufacturing
81.	Tea processing
82.	Thermocol manufacturing
83.	Thermometer making
84.	Transformer repairing/manufacturing
85.	Tyres and tubes vulcanization/hot retreading



86.	Units having boiler with and above 2 ton/ hr steam generation capacity
87.	Units having discharge of 10 KL or more
88.	Urea Formaldehyde Manufacturing units
89.	Wire drawing & Wire netting



## Green Category of Industries

## Annexure-C

SL No.	List of Industry
1.	Aluminium utensils from aluminium circles
2.	Assembly of air coolers/conditioners, repairing and servicing
3.	Assembly of bicycles, baby carriage and other small non-motorised vehicles
4.	Automobile fuel outlet (only dispensing)
5.	Ayurvedic and Homeopathic medicine (without boiler)
6.	Bailing (hydraulic press) of waste papers
7.	Bakery/Confectionery/Sweets production (with production capacity < 1tpd with oil, gas or electrical oven)
8.	Bio fertilizer & bio-pesticide without using inorganic chemicals
9.	Biomass Briquettes (sun drying) without using toxic or hazardous wastes
10.	Biscuit trays etc. from rolled PVC sheet (using automatic vacuum forming machine)
11.	Blending and packaging of Tea
12.	Blending of melamine resins & different powder, additives by physical mixing
13.	Block making for printing without foundry (excluding wooden block making)
14.	Brass & Bell metal utensils manufacturing from circle (without re-Rolling facility)
15.	Candy
16.	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boiler)
17.	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.
18.	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)
19.	Ceramic colour manufacturing (not using boiler and wastewater recycling process)
20.	Chalk making from plaster of paris
21.	Chilling plant and ice making without use of ammonia
22.	CO2 recovery
23.	Coated electrode manufacturing
24.	Compact disc, computer floppy & cassette manufacturing
25.	Compressed oxygen gas from crude liquid oxygen
26.	Cotton and woolen hosiery making (SSI & Cottage industries)
27.	Cotton spinning & weaving (small scale)
28.	Decoration of ceramic cups & plates by electric furnace
29.	Diesel Generator sets (15 KVA to 1 MVA)
30.	Diesel pump repairing & servicing
31.	Distilled water
32.	Electric lamp (bulb) manufacturing (small scale)

33.	Electrical & electronic items assembling
34.	Flavoured bettle nut production/grinding
35.	Flour mills (dry process)
36.	Fly ash bricks/blocks manufacturing
37.	Fountain pen manufacturing
38.	Glass ampules & vials making from glass tubes
39.	Glass putty and sealant
40.	Glass, ceramic, earthen potteries and tile manufacturing using electrical kiln or not involving fossil fuel kilns
41.	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)
42.	Groundnut decorticating (dry)
43.	Handloom/ Carpet weaving (without dyeing and bleaching operation)
44.	Hotels (upto 10 rooms)
45.	Insulation and other coated papers (excluding paper or pulp manufacturing) manufacturing
46.	Jobbing and machining
47.	Leather cutting and stitching (more than 10 machines and using motor)
48.	Leather footwear and leather products (excluding tanning and hide processing) (except cottage scale)
49.	Lubricating oils, greases or petroleum based products (only blending at normal temperature)
50.	Manufacturing of coir items from coconut husk
51.	Manufacturing of metal caps, containers etc
52.	Manufacturing of optical lenses (using electrical furnace)
53.	Manufacturing of pasted veneers without using boiler or Thermic Fluid Heater or by sundrying
54.	Manufacturing of shoe brush & wire brush
55.	Manufacturing of silica gel (without furnace)
56.	Medical oxygen
57.	Oil mill ghani & extraction (no hydrogenation/refining)
58.	Organic and inorganic nutrients (by physical mixing)
59.	Organic manure (manual mixing)
60.	Packing of powdered milk
61.	Paints and varnishes (mixing and blending) (without ball mill)
62.	Paper pins and U-clips
63.	Pheny/ Toilet cleaner formulation & Bottling
64.	Power looms (without dyeing and bleaching)
65.	Puffed rice (muri) (using oil gas or electrical heating system)
66.	Reel manufacturing
67.	Reprocessing of waste cotton
68.	Rope (Cotton & Plastic)
69.	Rubber goods industry (with baby boiler only)
70.	Scientific and mathematical instruments manufacturing

71.	Soap manufacturing (Handmade without steam boiling)
72.	Solar module (Non conventional energy apparatus) manufacturing unit
73.	Solar power generation through solar photovoltaic cell, wind power & mini hydel power (< 25 MW)
74.	Spice grinding (< 20 HP motor)
75.	Steel furniture without spray painting
76.	Steeping and processing of grains.
77.	Surgical and medical products not involving effluent/emission generating processes
78.	Synthetic detergent formulation
79.	Teflon based products
80.	Tyres and tubes retreading (without boiler)

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**Annexure-D****Check List of documents for Consent to Establish (CTE)**

- i) CTE application (available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in))
- ii) CTE fee (Fee schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in))
- iii) Performance security in the shape of Demand draft in the favour of Board payable at Panchkula, Charidigarh as per prescribed schedule available on the web-site of the Board.
- iv) C.A. Certificate regarding capital investment cost w.r.t. land building, plant and machinery of the proposed project.
- v) Fard Jamabandi or Intkal of the project land / Allotment letter, whichever is applicable.
- vi) Manufacturing process and process Flow Chart.
- vii) Feasibility Report /Scheme of Effluent Treatment Plant/ Sewage treatment Plant, Air Pollution Control Devices / HWM with Hydraulic Design and design calculations based upon the Pollution load and prescribed parameters, as applicable.
- viii) Report of Tehsildar regarding Kisam of land through Deputy Commissioner for areas covered under Aravali Notification dated 07.05.1992, if applicable. In case the land falls in the industrial estate / area and HUDA sectors, the report of Regional Officers will be taken regarding applicability of Aravali Notification
- ix) Proof of receipt of application submitted to the Forest Department for clearance / permission /NOC from Forest Department.
- x) Report of Revenue Department / Forest Department & other concerned departments regarding siting parameters in respect of Stone Crushers, Hot Mix Plants, Screening Plants, Pulverizes, and License of DFSC in Case of brick Kiln units.
- xi) Change of land use/NOC certificate / licence from the Town & Country Planning Department/Permission from respective Municipal Authority in case unit is situated in M.C. area.
- xii) Collaboration deed, Lease deed / Rent Agreement (in case the project land is on Lease / Rent).
- xiii) Copy of Environmental Clearance in case the project is covered under, EIA Notification dated 14.09.2006 as amended from time to time. (Such units covered under EIA notification shall obtain environmental clearance first and then will apply for CTE to the Board).

**Note (Industry should have following documents at the time of inspection) :-**

1. RO shall verify the names of Directors/Partners from the Hard copy of MOA / partnership Deed / Trust Deed.

## Annexure-E

**Performance Security as Bank Draft to be furnished by a unit for obtaining the Consent to Establish.**

Sr. No.	Investment	Red category (in Rs.)	Orange Category (in Rs.)
1	Upto 0.5 crore	25,000/-	12,500/-
2	Above 0.5 crore upto 1.00 crore	50,000/-	25,000/-
3	Above 1.00 crore upto 5.00 crore	1,00,000/-	75,000/-
4	Above 5.00 crore upto 10.00 crore	2,00,000/-	1,50,000/-
5	Above 10.00 crore upto 50.00 crore	3,00,000/-	2,00,000/-
6	Above 50.00 crore upto 100.00 crore	4,00,000/-	2,50,000/-
7	Above 100.00 crore	5,00,000/-	3,00,000/-
8	Hot Mix Plants/ Stone Crusners/ Screening Plants	50,000/-	
9	Brick Kilns	25,000/-	
10	Mining :		
	a) More than ten Hectares	5.0 lac	
	b) Five to ten Hectares	2.5 lac.	
	c) Less than five Hectares	1.0 lac.	

## Annexure-F

## Declaration

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ resident  
of \_\_\_\_\_ declare and affirm as under:-

1. That I am the Partner /Director/Manager/Occupier/ Proprietor of the unit M/s \_\_\_\_\_
2. That I am aware of the provisions of Water Act, 1974, Air Act, 1981 & Hazardous Waste Management Rules, 2008 and standards/norms prescribed for discharge of pollutants under EPA Rules, 1986.
3. That we shall comply with all the provisions of Water Act, 1974, Air Act, 1981 & Hazardous Waste Management Rules, 2008 and standards/norms prescribed for discharge of pollutants under EPA Rules, 1986 after commissioning of our unit.
4. That the work for construction and installation of pollution control measures will be done side by side while doing the construction and installation of the main plant of the unit and will not start the production without installing proper and adequate pollution control measure as per scheme enclosed and without obtaining prior consent to operate from the Board.
5. In case of any of the non compliance by the unit, the Board will be at liberty to forfeit the performance security deposited alongwith the CTE case.

Date:

Deponent/ Applicant



**Annexure -G****Checklist of documents for obtaining Consent to Operate (CTO) under Water Act, 1974/ Air Act, 1981 and Authorization under HWM Rules, 2008.**

- I. Common consent form, consent fee (available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
- II. Latest analysis reports for effluent / Air emissions / Noise level of DG sets (required at the time of regular consent to operate & renewal of consent to operate).
- III. Copy of balance sheet duly attested by CA/CA certificate w.r.t. capital investment cost for the preceding year. (capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if, it is on lease / rent / mortgage).

**Note (Industry should have following documents at the time of inspection) :-**

1. RO shall verify that the units covered under HWTM Rules, 2008 has made agreement with Hazardous waste TSDF/Authorized recycler and shall check the documents during his field inspection.
2. RO shall verify the names of Directors/Partners from the Hard copy of MOA / partnership Deed / Trust Deed.
3. RO shall ensure that unit has submitted Environment Statement of the previous year for large and medium scale Industries / Projects.
4. RO shall ensure that unit covered under HWTM Rules, 2008 has submitted required returns.

## Annexure -H

**Checklist of documents for obtaining Consent to Operate (CTO) under Water Act, 1974 / Air Act, 1981 and Authorization under HWM Rules, 2008 for the units operating before 01.04.2012 and has been covered under consent management first time after 01.04.2012 in view of inclusion of the project / unit covered under consent management as per Board's Notification dated 01.04.2012 and orders dated 16.11.2012.**

- i. CTO application (available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
- ii. CTO fee applicable for first consent (Fee schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
- iii. Latest analysis reports for effluent/ Air emissions/ Noise level of DG sets (required at the time of regular consent to operate & renewal of consent to operate).
- iv. C.A. Certificate regarding capital investment cost on land building, plant and machinery without depreciation of the project.
- v. Fard Jamabandi or Intkal whichever is applicable / Allotment letter in case of industrial area.
- vi. Manufacturing process and process Flow Chart.
- vii. Detail of Effluent Treatment Plant / Sewage treatment Plant, Air Pollution Control Devices / HWM, as applicable.
- viii. Report of Tehsildar regarding Kisam of land through Deputy Commissioner for areas covered under Aravali Notification, if applicable. In case the land falls in the industrial estate/area and HUDA sectors, the report of Regional Officer will be taken regarding applicability of Aravali Notification.
- ix. Allotment letter in case the unit is located in approved industrial area/Estate

## Note :-

1. RO shall verify the names of Directors / Partners from the Hard copy of MOA / Partnership Deed / Trust Deed with address.
2. RO shall verify that the units covered under Hazardous Waste (MH & TM) Rules, 2008 has made agreement with Hazardous waste TSDF/Authorized recycler and shall check the documents during his field inspection.
3. RO shall insure that unit has submitted Environment Statement of the previous year for large and medium scale industries / Projects.
4. RO shall insure that unit covered under HWTM Rules, 2008 has submitted required returns.
5. Units operating in non conforming areas other than located in Municipal Areas / HUDA Areas, TP Scheme of the committee or any other approved residential colony/ areas, will obtain CLU permission / NOC from concerned authority and till then the consent will be granted on year to year basis provided that unit has installed Adequate Pollution Control Devices and meeting the standards prescribed under EP Rules, 1986.
6. No permission shall be granted to the units located in Municipal Areas / HUDA areas, TP Scheme of the committee or any other approved residential colony/areas.

[ 110-1 ]

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Annexure-II



No.B-29012/ESS(CPA)/2015-16/

March 07, 2016

To

The Chairman  
All the State Pollution Control Boards / Pollution Control Committees  
(List Attached)

**SUB: MODIFIED 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.**

WHEREAS, under section 16 (2)(b) of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 (2)(c) of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB) constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to coordinate activities of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs), and

WHEREAS, under section 16 (2)(c) of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 (2)(d) of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the CPCB is to provide technical assistance and guidance to SPCBs and PCCs; and

WHEREAS, it was brought to the notice of CPCB, that different SPCBs / PCCs were following different criteria for classification of industrial sectors under Red/Orange/ Green category and that classification was being used by the SPCBs/PCCs for grant of consents to industries and for Inventorization / surveillance of industries.

WHEREAS, the issue regarding classification of industries was deliberated upon in the 56<sup>th</sup> Conference of Chairmen & Member Secretaries of CPCB & SPCBs/PCCs held on August 31, 2010 and a working group comprising of representatives from SPCBs & CPCB was constituted to prepare a consolidated list of industrial sectors falling under Red/Orange/Green category to bring uniformity in classification of industrial sectors across the country;

WHEREAS, the report prepared by the Working Group was discussed in the Conference of Chairmen & Member Secretaries of CPCB & SPCBs/PCCs held in Delhi on September 15, 2011, wherein some modifications were proposed;

WHEREAS, the final report of the working group was prepared, incorporating the suggestions/observations made in the 57<sup>th</sup> Conference of Chairmen and Member Secretaries of CPCB & SPCBs/PCCs and in exercise of the powers delegated to the Chairman, CPCB under Section 18(1)(b) of the Water Act, 1974, following directions were issued for compliance to all SPCBs/PCCs to maintain uniformity in categorization of industries as red, orange and green as per list finalized by CPCB, which identified 85 types of industrial sectors as 'Red', 73 industrial sectors as 'Orange' and 86 sectors as 'Green'.

a). To maintain uniformity in categorization of industries under Red/Orange/Green category, the SPCBs /PCCs shall adopt the list as finalized by CPCB based on the recommendations of that Working Group for grant of Consent, inventORIZATION of industries under Red, Orange and Green categories and other related activities

(b). The SPCBs/PCCs shall revise the list of Red, Orange and Green categories of industries operating in their jurisdiction based on the criteria specified in the final report of that Working Group and submit the same to CPCB within 90 days in hard copy as well as soft copy.

WHEREAS, later-on, it was observed that the process of categorization thus far was primarily based on the size of the industries and consumption of resources and pollution due to discharge of emissions and effluents and its likely impact on health was not considered as primary criteria,

WHEREAS, there have been proposals from the SPCBs / PCCs and industrial associations for categorization of the industrial sectors in a more pragmatic manner. This issue was discussed during the national level conference of the Environment Ministers of the States, held in New Delhi during April 06-07, 2015 and also during the Conference of the Chairmen and Member Secretaries of CPCB and SPCBs/PCCs held in New Delhi on April 08, 2015. Accordingly, a 'Working Group' comprising of the Members from Central Pollution Control Board and State Pollution Control Boards representing the States of Andhra Pradesh, Punjab, Tamilnadu, West Bengal, Madhya Pradesh and Maharashtra was constituted to revisit the criteria of categorization of industries and suggest rationales based on pollution potential for categorization of industrial sectors and adopting it for implementation of pollution control plan;

WHEREAS, the Working Group has developed the criteria of categorization of industrial sectors based on the concept of Pollution Index which is a function of the emissions (air pollutants), effluents (water pollutants), hazardous wastes generated and consumption of resources. For this purpose the references are taken from the the Water (Prevention and Control)

of Pollution) Cess (Amendment) Act, 2003, Standards so far prescribed for various pollutants under Environment (Protection) Act, 1986 and Doon Valley Notification, 1989 issued by MoEFCC. The Pollution Index (PI) of any industrial sector is a number from 0 to 100 and its increasing value of PI denotes the increasing degree of pollution load from the industrial sector.

WHEREAS, based on the series of consultations with SPCBs, different Government and Government Institutions including industries and MoEFCC, the following criteria on Revised Pollution Index for the purpose of categorization of industrial sectors has been finalized:

- Industrial Sectors having Pollution Index score of 60 and above - Red category
- Industrial Sectors having Pollution Index score of 41 to 59 - Orange category
- Industrial Sectors having Pollution Index score of 21 to 40 - Green category
- Industrial Sectors having Pollution Index score incl. & upto 20 - White category

WHEREAS, based on the revised criteria, the 'Final Report on Revised Categorization of Industrial Sectors under Red/Orange/Green/White' has been evolved. The 'Categorization' is based on the relative pollution potential of the industrial sectors and grouping of the industrial sectors based on the use of raw materials, manufacturing process adopted and pollutants likely to be generated.

WHEREAS, based on relative Pollution Index, the number of industries in various categories are as under:

- i. The Red category of industrial sectors: 60
- ii. The Orange category of industrial sectors: 63
- iii. The Green category of industrial sectors: 63 and
- iv. The Newly introduced White category: 76

WHEREAS, there shall be no necessity of obtaining the Consent to Operate for White category of industries and an intimation to concerned SPCB / PCC shall suffice.

WHEREAS, the purpose of categorization is to ensure that the industries are established in a manner consistent with the environmental objectives and to prompt industrial sectors to adopt cleaner technologies, ultimately resulting in generation of less or minimum pollutants.

WHEREAS the new categorization system shall also facilitate in self-assessment by industries;

Now, therefore, in exercise of the powers delegated to the Chairman, CACB under Section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and Section 18(1)(b) of the Air (Prevention & Control of Pollution), Act, 1981 the earlier Directions issued in June 2012 in the context of categorisation of industries as Red, Orange & Green are withdrawn with immediate effect and following 'Directions' are hereby issued for compliance by all SPCBs and PCCs.

18/2E/264

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 at table no. G2, G3, G4 and G5 respectively, in the 'Final Report' as attached herewith immediately.
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 in different categories shall not be listed 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 while categorizing the industries, fractional numbers shall be rounded off to nearest integer.

18/29/265

The SPCBs/PCCs shall acknowledge the receipt of directions and submit the 'Action Taken Report' in compliance with these directions to CPCB on 15.04.2016.

(Arun Kumar Mehta)  
Chairman

7/3/16

Copy to

1. The Chief Secretary of all the States and UTs
2. The Secretary,  
Ministry of Micro, Small and Medium Entrepreneurs  
Udyog Bhawan, Raj Marg, New Delhi - 110 011
3. The Secretary,  
Ministry of Heavy Industries  
Udyog Bhawan, Raj Marg, New Delhi - 110 011
4. The Secretary,  
Ministry of New and Renewable Energy  
Block-14, CGO Complex,  
Lodhi Road, New Delhi-110 003.
5. The Advisor(CP Division)  
Ministry of Environment, Forests and Climate Change  
Indira Paryavaran Bhawan  
Jor Bagh Road, New Delhi - 110 003
6. All Zonal Offices of CPCB

(A B Akotkar)  
Member Secretary

Final Document  
on  
Revised  
Classification  
of  
Industrial Sectors  
Under

**Red, Orange, Green and White Categories**  
(February 29, 2016)



**Central Pollution Control Board**  
Delhi



## Executive Summary

### Categorization of Industrial Sectors under Red, Orange, Green and White Category

The Ministry of Environment, Forest and Climate Change (MoEFCC) had brought out notifications in 1989, with the purpose of prohibition/ restriction of operations of certain industries, to protect ecologically sensitive Doon Valley. The notification introduced the concept of categorization of industries as "Red", "Orange" and "Green" with the purpose of facilitating decisions related to location of these industries. Subsequently, the application of this concept was extended in other parts of the country not only for the purpose of location of industries, but also for the purpose of Consent management and formulation of norms related to surveillance / inspection of industries.

The concept of categorization of industries continued to evolve and as different State Pollution Control Boards interpreted it differently, a need arose to bring about necessary uniformity in its application across the country. In order to harmonize the 'Criteria of categorization', Directions were issued by CPCB under Section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 to all SPCBs/PCCs to maintain uniformity in categorization of industries as red, green and orange as per list finalized by CPCB, which identified 85 types of industrial sectors as 'Red', 73 industrial sectors as 'Orange' and 86 sectors as 'Green'.

The process of categorization thus far was primarily based on the size of the industries and consumption of resources. The pollution due to discharge of emissions & effluents and its likely impact on health was not considered as primary criteria. There was demand from the SPCBs / PCCs and industrial associations for categorization of the industrial sectors in a more transparent manner. Accordingly, the issue was discussed thoroughly during the national level conference of the Environment Ministers of the States, held in New Delhi during April 06-07, 2015 and a 'Working Group' comprising of the members from CPCB, APPCB, TNPCB, WBPCB, PPCB, MPPCB and Maharashtra PCB is constituted to revisit the criteria of categorization of industries and recommend measures for making the system transparent and rational.

The Working Group has developed the criteria of categorization of industrial sectors based on the Pollution Index which is a function of the emissions (air pollutants), effluents (water pollutants), hazardous wastes generated and consumption of resources. For this purpose the references are taken from the the Water (Prevention and Control of Pollution) Cess (Amendment) Act, 2003, Standards so far prescribed for various pollutants under Environment (Protection) Act, 1986 and Doon Valley Notification, 1989 issued by MoEFCC. The Pollution Index PI of any industrial sector is a number from 0 to 100 and the increasing value of PI denotes the increasing degree of pollution load from the industrial sector. Based on the series of brain storming sessions among CPCB, SPCBs and MoEFCC, the following criteria on 'Range of Pollution Index' for the purpose of categorization of industrial sectors is finalized.

- |                                                                   |                  |
|-------------------------------------------------------------------|------------------|
| o Industrial Sectors having Pollution Index score of 60 and above | - Red category   |
| o Industrial Sectors having Pollution Index score of 41 to 59     | -Orange category |
| o Industrial Sectors having Pollution Index score of 21 to 40     | -Green category  |
| o Industrial Sectors having Pollution Index score incl.&upto 20   | -White category  |

The newly introduced White category of industries pertains to those industrial sectors which are practically non-polluting such as Biscuit trays etc. from rolled PVC sheet (using automatic vacuum forming machines), Cotton and woolen hosiers making (Dry process only without any dyeing/washing operation), Electric lamp (bulb) and CFL manufacturing by assembling only, Scientific and mathematical instrument manufacturing, Solar power generation through photovoltaic cell, wind power and mini hydel power (less than 25 MW).

The salient features of the 'Re-categorization' Exercise are as follows:

- Due importance has been given to relative pollution potential of the industrial sectors based on scientific criteria. Further, wherever possible, splitting of the industrial sectors is also considered based on the use of raw materials, manufacturing process adopted and in-turn pollutants expected to be generated.
- The Red category of industrial sectors would be 60.
- The Orange category of industrial sectors would be 83.
- The Green category of industrial sectors would be 63.
- Newly introduced White category contains 36 industrial sectors which are practically non-polluting.
- There shall be no necessity of obtaining the Consent to Operate" for White category of industries. An intimation to concerned SPCB / PCC shall suffice.
- No Red category of industries shall normally be permitted in the ecologically fragile area / protected area.

The purpose of categorization is to ensure that the industry is established in a manner which is consistent with the environmental objectives. The new criteria will prompt industrial sectors willing to adopt cleaner technologies, ultimately resulting in generation of fewer pollutants. Another feature of the new categorization system lies in facilitating self-assessment by industries as the subjectivity of earlier assessment has been eliminated. This 'Re-categorization' is a part of the efforts, policies and objective of present government to create a clean & transparent working environment in the country and promote the Ease of Doing Business.

Other similar efforts include installation of Continuous Online Emissions/ Effluent Monitoring Systems in the polluting industries, Revisiting of the CEPI (Comprehensive Environment Pollution Index) concept for assessment of polluted industrial clusters, Revision of existing industrial Emission/Effluent discharge standards, initiation of special drive on pollution control activities in Ganga River basin and many more in coming future.

## Revised Criteria of Categorization of Industries

"Securing industrial pollution control in accordance with the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 by linking with categorization of industries, consent management and vigilance - 'In context of Red, Orange, Green and White categories of industries"

### A: Genesis of Categorization:

- The Ministry of Environment, Forest and Climate Change (MoEFCC) had brought out notifications, which inter-alia refers to Prohibition/ Restriction on operation of industries to protect ecologically sensitive areas or areas of specific importance. This has for the first time brought the concept of categorization of industries to "Red", "Orange" and "Green" and restrict their operation in certain areas of importance. Therefore, it is at-once interpreted that Red, Orange and Green categorization is linked with location specific needs.
- The notification of MoEF was first brought on 2<sup>nd</sup> February, 1989 in case of "Restriction on location of industries, mining operations and other developmental activities in Doon Valley in "Uttarakhand" and thereafter another notification on 24<sup>th</sup> February 1989 regarding restriction on the setting up of industries in Dahanu Taluka in Maharashtra. The categorization had been made mainly on the basis of size of the industries, man power and consumption of resources.
- However, in other parts of the country, there have been variations in context to the classification of industries under Red, Orange and Green categories. SPCBs / PCCs were following their own criteria in different States thereby creating confusion.
- In order to harmonize the 'Criteria of categorization', a 'Working Group' was formed as per resolution passed during the 57<sup>th</sup> Conference of the Chairmen & Member Secretaries of CPCB and SPCBs. Based on the recommendations of the Working Group, Directions dated 4/6/2012 under Section 18(1)(b) of the Water

(Prevention & Control of Pollution), Act, 1974 were issued to all SPCBs/PCCs with the effects to maintain uniformity in categorization of industries as red, green and orange as per list finalized by the Working Group. This indicative list included 85 types of industrial sectors as 'Red', 73 industrial sectors as 'Orange' and 86 sectors as 'Green'. However, these identified categories have not been assigned with scores as per existing criteria/ or any new criteria

**B: Categorization criteria used by SPCBs/PCCs:**

SPCBs and PCCs use the criteria of Red, Orange and Green categories for consent management and vigilance purposes for carrying out inspections to verify compliance to the stipulated standards. However the above categorization do not emphasize on sector-specific plan for control of pollution in accordance with priority based on pollution index.

**C: Gap in the process:**

1. The categorization has been made mainly on the basis of size of the industries and consumption of resources. The pollution due to discharge of emissions & effluents and its impact on health was not considered as primary criteria.
2. Categorization was on random basis, no scoring system was adopted.

**D: Resolutions made during National Level Conferences**

The issue was discussed thoroughly during the following national level conferences held in New Delhi:

- Conference of the Environment Ministers of Central Government and State Governments during April 06-07, 2015
- 59<sup>th</sup> Conference of Chairmen & Member Secretaries of Pollution Control Boards Pollution Control Committees held on April 08, 2015

Accordingly following resolutions were made during the Conferences:

1. A 'Working Group' comprising of the members from CPCB, APPCB, TNPCB, MPCCB, MPPCB and Maharashtra PCB is constituted.
2. This WG shall revisit the categorization of industries that is based on pollution index criteria & environmental issues such as generation of emission, effluent and hazardous wastes.
3. The categorization will be done on the basis of composite score (0-100 marks) of Pollution Index given in accordance with the following weightage.

Air Pollution Score based on parameters namely PM, CO, NOx, SOx, HMs, Benzene, Ammonia and other toxic parameters relevant to the industry.	40 Marks
Water Pollution Score based on parameters namely pH, TSS, NH <sub>3</sub> -N, BOD, Phenol and other toxic pollutants relevant to the industry.	40 Marks
Hazardous wastes (land fillable, incinerable, recyclable) as generated by the industry.	20 Marks
Note :	
<ul style="list-style-type: none"> <li>• Parameters to be decided on the basis of the nature of the wastes generating from the industrial sector.</li> <li>• Industries having only either water pollution or air pollution, the score will be normalized wrt 100.</li> </ul>	

4. Based on the score of the Pollution Index, following categorization be made :
  - o Type of industries, if scores 60 and above be categorized as Red
  - o Type of industries, if scores from 30 to 59 be categorized as Orange
  - o Type of industries, if scores from 15 to 29 be categorized as Green
  - o Type of industries, if less than 15 be categorized as White or non-polluting industries
5. SPCBs/PCCs may issue consent to the industries
  - Red category of industries for 3 years.
  - Orange category of industries for 10 years.
  - Green category of industries for 15 years.
  - No necessity of consent for non-polluting industries.
6. No red categories of industries will be permitted to establish in eco-sensitive areas and protected areas.

#### **E: Follow-up Actions made on the Resolutions :-**

- Accordingly, a Committee comprising the Chairmen of CPCB, APPCB, TNPCB, MPCCB, MPCB, PPCB, WBPCB and MS, CPCB was constituted vide CPCB OM dated

23.04.2015 to review & classify industrial sectors into different categories based on criteria of respective pollution potential.

- The categorization is made on the basis of following:
  - Quality of emissions (air pollutants) generated
  - Quality of effluents ( water pollutants) generated
  - Types of hazardous wastes generated
  - Consumption of resources
  
- Reference is taken from the following :
  - The Water (Prevention and Control of Pollution ) Cess Act, 1977
  - Standards so far prescribed for various pollutants under the Environment (Protection) Act , 1986
  - Doon Valley Notification, 1989 issued by MoEF.

**F : Scoring Methodology :**

The details on the scoring methodology in respect of the aforesaid 3 components is presented in the following tables F-1 to F-4 .

Table F-1 : Water Pollution Scoring Methodology

Sl. No.	Activity / Types of Discharges	Score
Part A : Score W1 : Score based on types of expected criteria water-pollutants present in industrial processes waste waters. Maximum of the following seven categories is to be taken.		
W11	Waste-water which is polluted and the pollutants are - <ul style="list-style-type: none"> <li>• not easily biodegradable ( very high strength waste waters having BOD &gt; 5000 mg/l ); or</li> <li>• toxic; or</li> <li>• both toxic and not easily biodegradable.</li> </ul> (Presence of criteria water pollutants having prescribed standard limits up-to 10 mg/l or having BOD > 5000 mg/l). For details appendix 1 may be referred)	30
W12	Non-toxic high strength polluted waste-water having BOD in the range of 1000-5000 mg/l and the pollutants are biodegradable.  (Presence of criteria water pollutants having prescribed standard limits from 11 mg/l to 250 mg/l and having BOD strength in the range of 1000-5000 mg/l) . For details appendix 1 may be referred)	25
W13	Non toxic- polluted waste-water having BOD below 1000 mg/l and the pollutants are easily biodegradable.  (Presence of criteria water pollutants having prescribed standard limits from 11mg/l to 250 mg/l and having BOD strength below 1000 mg/l). For details appendix 1 may be referred)	20
W14	Waste-water generated from the chemical processes and which is polluted due to presence of high TDS ( total dissolved solids) of inorganic nature.  (Presence of criteria water pollutants having prescribed standard limits more than 250 mg/l. For details appendix 1 may be referred)	15
W15	Waste-water generated from the physical unit operations / processes and which is polluted due to presence of TDS (total dissolved solids) of inorganic nature and of natural origin like fresh-water RO rejects, boiler blow-downs, brine solution rejects etc.  (Presence of criteria water pollutants having prescribed standard limits more than 250 mg/l. For details appendix 1 may be referred)	12
W16	Non-toxic polluted waste-water from those units which are: <ul style="list-style-type: none"> <li>• Having the overall waste-water generation less than 10 KLD and</li> <li>• The pollutants are easily bio-degradable having BOD below 200 mg/l which can be easily treated in a single stage ASP (activated</li> </ul>	12

	sludge process) based Effluent Treatment Plant. Note : This is a special category and is applicable to only those units having over-all liquid waste generation less than 10 KLD with low strength organic load.	
W17	Waste-water from cooling towers and cooling-re-circulation processes	10
Part B : Score W2 : Score based on huge discharges of any kind (Penalty Clause)		
W2	Industry having overall liquid waste generation of 100 KLD or more including industrial & domestic waste-water.	10
Overall Water Pollution Score $W = W1+W2$		



## Appendix I

- **Water Pollutants covered under Group W11:**
  - ✓ Free available Chlorine , Total residual chlorine, Fluoride (as F), Sulphide (as S), Free Ammonical Nitrogen, Dissolved phosphates (as P), Free ammonia (as NH<sub>3</sub>), Nitrate Nitrogen, Mercury (As Hg), Selenium (as Se), Hexa-valent chromium (as Cr + 6), Lead (as Pb), Iron, Vanadium (as V), Cadmium (as Cd), Manganese (as Mn), Total chromium (as Cr), Copper (as Cu), Iron (as Fe), Nickel (as Ni), Zinc (as Zn), Benzene, Arsenic (as As), Benzo-a-pyrene, Cyanide (as CN), Phenolic compounds (as C<sub>6</sub>H<sub>5</sub>OH) , Adsorbable Organic Halogens (AOX), Boron and /or
  - ✓ BOD strength of waste water > 5000 mg/l
- **Water Pollutants covered under Group W12:**
  - ✓ Sodium Absorption Ratio (SAR) , Biochemical oxygen demand (3 days at 27°C), Total Kjeldahl nitrogen (TKN), Ammonical nitrogen (as N), Suspended solids, Total nitrogen (as N), Chemical oxygen demand, Oils & grease and
  - ✓ BOD strength of waste water is in the range of 1000-5000 mg/l
- **Water Pollutants covered under Group W13:**
  - ✓ Sodium Absorption Ratio (SAR), Biochemical oxygen demand (3 days at 27°C), Total Kjeldahl nitrogen (TKN), Ammonical nitrogen (as N), Suspended solids, Total nitrogen (as N), Chemical oxygen demand and
  - ✓ BOD strength of waste water is below 1000 mg/l
- **Water Pollutants covered under Group W14 and W15:**

Chlorides as Cl, Colour , Total dissolved solids (TDS - Inorganic)
- **Water Pollutants covered under Group W16**
  - ✓ BOD strength of waste water is below 200 mg/l and overall discharge is less than 10 KLD.

Table F-2 : Air Pollution Score

Sl No.	Air Pollutants Group	'Range of Prescribed Standard' of criteria pollutants	Marks
Part 1 : Score A1 = Score based on types of expected criteria Air Pollutants present in the emissions. Maximum of the following seven categories is to be taken. For details appendix 2 may be referred.			
1	Group A1A	Presence of criteria air pollutants having prescribed standard limits up-to 2 mg/Nm <sup>3</sup>	30
2	Group A1B	Presence of criteria air pollutants having prescribed standard from 3 to 10 mg/Nm <sup>3</sup>	25
3	Group A1C	Presence of criteria air pollutants having prescribed standard from 11 to 50 mg/Nm <sup>3</sup>	20
4	Group A1D	Presence of criteria air pollutants having prescribed standard from 51 to 250 mg/Nm <sup>3</sup>	15
5	Group A1E	Presence of criteria air pollutants having prescribed standard from 251mg/Nm <sup>3</sup> & above.	10
6	Group A1F	<ul style="list-style-type: none"> <li>• Generation of fugitive emissions of Particulate Matters which are:               <ul style="list-style-type: none"> <li>○ Not generated as a result of combustion of any kind of fossil-fuel.</li> <li>○ Generated due to handling / processing of materials without involving the use of any kind of chemicals.</li> <li>○ Which can be easily contained /controlled with simple conventional methods</li> </ul> </li> </ul>	10
7	Group A1G	<ul style="list-style-type: none"> <li>• Generation of Odours which are :               <ul style="list-style-type: none"> <li>○ Generated due to application of binding gums / cements /adhesives /enamels</li> <li>○ Which can be easily contained /controlled with simple conventional methods</li> </ul> </li> </ul>	10
Part 2 : Score A2 = Score based on consumption of fuels and technologies required for air pollution control.			
6	Group A2F1	<ul style="list-style-type: none"> <li>• All such industries in which the daily consumption of coal/fuel is more than 24 MT/day and the particular (Particulate/gaseous/process) emissions from which can be controlled only with high level equipments / technology like ESPs, Bag House Filters, High Efficiency chemical wet scrubbers etc.</li> </ul>	10
7	Group A2F2	<ul style="list-style-type: none"> <li>• All such industries in which the daily consumption of coal/fuel is from 12 MT/day to 24 MT/day and the particular (Particulate/gaseous/process) emissions from which can be controlled with suitable proven technology.</li> </ul>	5
Overall Air Pollution Score - A = A1 + A2			



- Air pollutants covered under Group A1A:  
Cd+Th, Dioxins & Furans, Mercury, Asbestos
  
- Air Pollutants covered under Group A1B:  
HF, Nickel+ Vanadium, HBr, Manganese, Lead, H<sub>2</sub>S, P<sub>2</sub>O<sub>5</sub> as H<sub>3</sub>PO<sub>4</sub>
  
- Air Pollutants covered under Group A1C:  
Chlorine, Pesticide compounds, CH<sub>3</sub>Cl, TOC, Total Fluoride, Hydrocarbons, NH<sub>3</sub>, HCL vapour & Mist, H<sub>2</sub>SO<sub>4</sub> Mist, SO<sub>2</sub>
  
- Air Pollutants covered under Group A1D:  
CO, PM, CO, NO<sub>x</sub>
  
- Air Pollutants covered under Group A1E:  
NO<sub>x</sub> with liquid-fuel, SO<sub>2</sub> with liquid-fuel

Table F-3: Hazardous Waste Generation Score

Sl.No.	Types of Hazardous Waste Generated as per Schedule 1 / Schedule 2 of Hazardous Waste ( Management, Handling & Trans-boundary Movement) Rules , 2008 . Maximum of the following four categories is to be taken	Score
HW1	<ul style="list-style-type: none"> <li>Land disposable HW which require special care &amp; treatment for stabilization before disposal.</li> </ul>	20
HW2	<ul style="list-style-type: none"> <li>Incinerable HW</li> </ul>	15
HW3	<ul style="list-style-type: none"> <li>Land disposable HW which doesn't require treatment &amp; stabilization before disposal.</li> <li>High volume low effect wastes such as fly-ash, phspho-gypsum, red-mud, slags from pyro-metallurgical operations, mine tailings and ore beneficiation rejects)</li> </ul>	10
HW4	<ul style="list-style-type: none"> <li>Recyclable HW, which are easily recyclable with proven technologies.</li> </ul>	10

Table F-4: Calculation Sheet  
Industrial Sector - .....

1. Water Pollution Score (W)			
Scores	Waste Water Category	Value	
Score on W1			
Score on W2			
Water Pollution Score = W1+W2			
2. Air Pollution Score (A)			
Scores	Air Pollutant Category	Value	
Score on A1			
Score on A2			
Air Pollution Score = A1+A2			
3. Hazardous Waste Score (HW)			
Score	HW Category	Value	
HW			
Grand Total = W + A + HW			

Note :

- Any of the industrial sector having only either air pollution (A) or water pollution (W), the score will be normalized to 100 as per the following formula -

$$\text{Normalized Score} = \{100 \times W \text{ (or A)}\} / 40$$

- Any of the industrial sector having air pollution (A) and water pollution (W) both but no hazardous waste generation (H), the joint score of air & water pollution will be normalized to 100 as per the following formula -

$$\text{Normalized Score} = \{100 \times (W+A)\} / 80$$

- Any of the industrial sector having air pollution (A) & hazardous waste generation (H) but no water pollution (W), the joint score of air pollution & hazardous waste generation will be normalized to 100 as per the following formula -

$$\text{Normalized Score} = \{100 \times (A+H)\} / 60$$

- Any of the industrial sector having water pollution (W) and hazardous waste generation (H) but no air pollution (A), the joint score of water pollution & hazardous waste generation will be normalized to 100 as per the following formula -

$$\text{Normalized Score} = \{100 \times (W+H)\} / 60$$

**G : Developments :**

- i. The existing Red ( 85 sectors) , Orange ( 73 sectors) and Green ( 86 sectors) i.e a total of 244 industrial sectors have been assessed as per the proposed formula by the Working Group. For this purpose, concerned Engineers / Scientists from the Member SPCBs were also involved & consulted during May 28-29, 2015.
- ii. After careful examination and consideration of the suggestions of concerned stake-holders the 'Draft Document on Revised Concept of Categorization of Industrial Sectors ' was prepared by the Committee and circulated to all the SPCBs, PCCs and concerned Ministries for their information & comments. The ' Draft Document ' was uploaded on the website of CPCB also for information & comments of one & all.
- iii. The matter was discussed during the 170<sup>th</sup> Board Meeting also and issues raised by the Board Members pertaining to some of the industrial sectors were clarified.
- iv. Responses were received from various concerned Ministries, SPCBs, Industrial Associations including individuals.
- v. Based on the above, final meeting was convened by the Secretary , MoEFCC with CPCB and senior officers of MoEFCC on January 06, 2016 to resolve the issues appropriately and finalize the 'Re-categorization'. Accordingly , following modifications in the 'Range of Pollution Index' for the purpose of categorization of industrial sectors were suggested :
  - Industrial Sectors having Pollution Index score of 60 and above - Red category
  - Industrial Sectors having Pollution Index score of 41 to 59 -Orange category
  - Industrial Sectors having Pollution Index score of 21 to 40 -Green category
  - Industrial Sectors having Pollution Index score incl& upto 20 -White category
- vi. Based on the final criteria as described in v above , the final categorization is as follows :

Category of Industrial Sector	Existing Categorization	Proposed (New) categorization
Red	85	60
Orange	73	83
Green	86	63
White	---	36
Total	244	242

- vii. In the proposed categorization, some of the industrial sectors have been either deleted due to duplication or merged with similar type of sectors on account of same

characteristics of pollution generation. In a similar way, some of the industrial sectors are split into more sectors on account of variation in the raw materials / manufacturing process. As a result final totals of the existing and proposed categorization are different.

- viii. The industrial sector which doesn't fall under any of the above four categories ( Red, Orange, Green and White) , decision with regard to its categorization will be taken at the level of concerned SPCB/PCC by a committee headed by the Member Secretary SPCB/PCC and comprising of two senior cadre Engineers / Scientists of the SPCB / PCC in accordance with the scoring criteria specified in this document.
- ix. The summary is presented in the following Table G-1 and final lists of Red, Orange, Green and White categories of industries are presented in Tables G-2, G-3, G-4 and G-5 respectively, which are self explanatory.



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Table G-1: Final Summary Table Red , Orange, Green and White Categories of Industries (16-01-16)

Sl No.	Original Categorization	Initial Nos.	Addition by Splitting into further classes	Deletion/ Shifting to foot-note due to vague term / Merger / other reasons	Re-categorization to Red	Re-categorization to Orange	Re-categorization to Green	Re-categorization to White	Check
		1	2	3	4	5	6	7	(1+2) = (3 to 7)
1	Red	85	11	7	60	26	3	Nil	96=96
2	Orange	73	2	3	Nil	51	19	2	75=75
3	Green	86	Nil	3+2=5	Nil	6	41	34	86=86
<b>Final Categorization</b>		244	13	15	60 (Red )	83 (Orange)	63 (Green)	36 (White)	257 =257 (Total categories including in foot-note)

Table G-2 : Final List of Red Category of Industrial Sectors

Sr No.	Orgnl Sr No	Industry Sector	W1	W2	W	A1	A2	A	H	W+A+H	Revised Category	REMARKS
1.	38	Isolated storage of hazardous chemicals (as per schedule of manufacturing, storage of hazardous chemicals rules, 1989 as amended)									R-R	As per provisions of Rules, to be kept under Red category especially for safety purpose.
2.	4	Automobile Manufacturing (integrated facilities)	30	-	30	20	-	20	10	60	R-R	<ul style="list-style-type: none"> <li>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.</li> <li>ii. Some of such plants may discharge effluents if the polluting activities are not taken after thorough inspection of such units by competent SPCL, re-categorization of the industry shall be made accordingly.</li> </ul>
3.	34	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.	30	-	30	20	-	20	10	60	R-R	All the three types of pollutants are expected.
4.	44	Manufacturing of lubricating oils, grease and petroleum based products	20	-	20	20	-	20	10	60	R-R	Generates all sorts of pollution
5.	66 f	DG Set of capacity > 5 MVA	-	-	-	20	5	25	-	62.5	R-R	<ul style="list-style-type: none"> <li>i. Mainly air polluting</li> <li>ii. DG sets consume the diesel @ 0.21 litres/hr/MVA at full load</li> <li>iii. Average running is taken @ 12 hrs / day although many of the DG sets run for more than this period.</li> </ul>
6.	31	Industrial carbon including electrodes and graphite blocks, activated carbon, carbon black	10	-	-	20	5	25	10	62.5	R-R	Mainly air polluting. Air pollution is normalized to 100.

7	39	Lead acid battery manufacturing (including assembling and charging of lead-acid battery in micro scale)	10	10	25	25	30	62.5	8-8	<p>i. Mainly air polluting. Air pollution scores are normalized to 100.</p> <p>ii. Lead Acid Battery manufacturing consists of various stages which broadly involve tater producing, recycling lead oxide, Paste Making, Grid Casting, and Tasting &amp; Counting, Hydro-setting, parting &amp; inspection, Stacking, grouping &amp; connection, welding, Formation.</p> <p>iii. Exposure of workmen to lead during all or any of the processes mentioned above exceeds the prescribed standards if appropriate equipment in this respect is not installed at the Battery Manufacturing Unit.</p> <p>iv. All of the above processes, some more than others, involve release of dust particles or fumes into the environment. Pollution in the air &amp; processes can be grouped into two possible types, viz. particulate &amp; becomes airborne and hence particulate. Pollution in the fumes are generated and there is air quality Pollution.</p>
8	62	Phosphate rock processing plant	30	30	20	20	62.5	8-8	<p>i. The separation of phosphate rock from impurities and non-phosphate materials for use in fertilizer manufacture consists of beneficiation, drying or crushing at some operations, and grading phosphate rock from the mines is essential to beneficiation which separate sand and clay and to remove impurities. Steps used in beneficiation depend on the type of rock.</p> <p>ii. The water &amp; air pollution scores are normalized to 100.</p>	

9	66	Power generation plant (except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW)	10	-	10	15	10	25		62.5	B-R	1. Mainly air polluting. It uses a mixture of biomass (agro based) and coal (1:10) as a fuel. Ambient around the-year operation. 2. In case of DG sets of 5 MVA & more and emissions of SO <sub>2</sub> will have place due to use of liquid fuel. Air pollution score will be =20+10+30. Normalized score will be 75. 3. In case of 'Waste to Energy Plant', water will be used for cooling and air score will be =10+10+40.
10	34	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of HW(MH&TRM) rules, 2008 - Items namely - Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt.	30	-	30	25	-	25	10	65	B-R	All the three types of pollutants are expected.
11	67	Processes involving chlorinated hydrocarbons	30	-	30	20	-	20	15	65	B-R	Chlorinated hydrocarbons are used in the manufacture of insecticides, pesticides and other chloro pesticides. Effluent & emissions are toxic in nature.
12	74	Sugar (excluding Khandhari)	20	10	30	15	10	25	10	65	B-R	1. This industrial sector is the one among the 11 categories of highly polluting industries. ii. Sugar mills generate air toxic of pollution problems.
13	22	Fiber glass production and processing (excluding moulding)	-	-	-	20	-	20	20	67	B-R	1. The use of styrene in most methods of fiberglass production causes hazardous air pollution that is harmful to breathe at excessive levels. ii. It is mainly air polluting & air emission industry. The air pollution & emissions are normalized to 100. iii. In case of lead containing glass the air emission will be 25 and Air normalized score will be 75 and shall be categorized as B-R.
14	23	Fire crackers manufacturing and bulk storage facilities	-	-	-	20	-	10	20	67	B-R	1. This is the normalized score based on air pollution & HW generation. ii. Various hazardous chemicals are used in the manufacturing process. iii. These chemicals are namely: Potassium Nitrate, Potassium perchlorate, Barium Nitrate, Aluminium compound, Copper Chloride etc.

												<p>ii. These chemicals are highly hazardous and cause serious disease among the workers, especially acute, if they do carry oxygen leading to hypoxemia, methemoglobinemia and kidney problems, skin problems (burnt, etc.) etc.</p>
15	34	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 tubes 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.	-	-	-	30	0	30	10	67	R-R	Mainly air polluting and hazardous waste generating. Air & HW pollution scores are jointly normalized to 100.
16	47	Milk processes and dairy products (integrated project)	20	10	30	20	5	25	-	68.75	R-R	<p>i. Water as well as air polluting due to use of boilers.</p> <p>ii. Water &amp; air pollution scores are normalized to 100.</p>
17	63	Phosphorous and its compounds.	30	-	30	25	-	25	-	68.75	R-R	Water pollution & air pollution through compounds of phosphorous are expected.
18	61	Pulp & Paper ( waste paper based without bleaching process to manufacture kraft paper)	20	10	30	15	10	25	0	68.75	R-R	Mainly water & air polluting. Water & air pollution scores are normalized to 100.
19	13	Coal making, liquefaction, coal tar distillation or fuel gas making	30	-	30	20	-	20	20	70	R-R	It is a kind of petrochemical industry.

20	42	Manufacturing of explosives, detonators, fuses including management and handling activities	30		30	20		20	20	70	R-R	<ul style="list-style-type: none"> <li>i. Explosives manufacture and use contribute some measure of hazardous waste to the environment.</li> <li>ii. Nitrocellulose produces several toxic byproducts such as acids, oxides, and oils contaminated with heavy metals. These must be disposed of properly by neutralization or stabilization and transported to a hazardous waste landfill.</li> <li>iii. The use of explosives creates large amounts of dust and particulate from the explosion, and in some cases releases asbestos, lead, and other hazardous materials into the atmosphere.</li> </ul>
21	45	Manufacturing of paints, varnishes, pigments and intermediate (excluding blending/mixing)	30		30	25		25	15	70	R-R	<ul style="list-style-type: none"> <li>i. The process may cause considerable emissions of volatile organic compounds (VOC) which contribute to the creation of ozone in the lower layers of the atmosphere (photochemical air pollution) and can present danger to health.</li> <li>ii. Dust and odour may also be a problem.</li> <li>iii. Washing of vessels will contribute waste water.</li> <li>iv. Large quantity of HWs are also produced.</li> </ul>
22	56	Organic Chemicals manufacturing	30		30	20		50	20	70	R-R	Such types of industrial sector generate air and water pollution.
23	1	Airports and Commercial Air Strips	20	10	30			10	75		R-R	<ul style="list-style-type: none"> <li>i. The Airports are generating mainly the waste water.</li> <li>ii. This is the water pollution normalized score for airports having discharge more than 100 KLD.</li> <li>iii. The airports / strips having discharge less than 100 KLD will have score of 50 and hence same category.</li> <li>iv. If the score is normalized with water flow then all the airports will come under same category (score = 58.33).</li> </ul>
24	3	Asbestos and asbestos based industries			30			30	10	75	R-R	<ul style="list-style-type: none"> <li>i. This is mainly air polluting industry.</li> <li>ii. Final score is based on air pollution score only.</li> <li>iii. Asbestos is carcinogenic and banned in many countries.</li> </ul>
25	5	Basic chemicals and electrochemicals and its derivatives including manufacturing of acid	30		30			10	75		R-R	<ul style="list-style-type: none"> <li>i. Standards prescribed for inorganic chemicals are adopted.</li> <li>ii. It is mainly water polluting industry, having effluents which are toxic and not easily biodegradable.</li> </ul>

												<ul style="list-style-type: none"> <li>ix. Water pollution score normalized to 100 is undertaken</li> <li>x. The earlier Red category industrial sector namely "Hydrocarbons and its derivatives" is also merged under this industrial sector</li> </ul>
26.	7	Cement				20	10	30		75	8-8	<ul style="list-style-type: none"> <li>i. This is mainly air polluting industry &amp; hence normalized air pollution score</li> </ul>
27.	9	Chlorates, per-chlorates & peroxides	30		30					75	8-8	<ul style="list-style-type: none"> <li>i. It is mainly water polluting industry having effluents which are toxic and non biodegradable</li> <li>ii. Water pollution score normalized to 100 is undertaken</li> </ul>
28.	10	Chlorine, fluorine, bromine, iodine and their compounds	30		30					75	8-8	<ul style="list-style-type: none"> <li>i. It is mainly water polluting industry having effluents which are toxic and non biodegradable</li> <li>ii. Water pollution score normalized to 100 is undertaken</li> </ul>
29.	16	Dyes and Dye- Intermediates	30		30	10	5	25	20	75	8-8	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 17 categories of Highly Polluting Industries</li> <li>ii. Such types of industrial sectors generate a lot of pollution</li> </ul>
30.	16	Health-care Establishment ( as defined in BMW Rules)	30	10	30					75	8-8	<ul style="list-style-type: none"> <li>i. Mainly water polluting</li> <li>ii. The water pollution score is normalized to 100 is valid for Hospitals having total waste water generation &gt; 100 KLD</li> <li>iii. The hospitals with more than 20 beds are categorized as Red irrespective of the quantity of the waste water generation</li> <li>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.</li> </ul>
31.	28	Hotels having overall waste-water generation > 100 KLD and more.	30	10	30	15		15		75	8-8	<ul style="list-style-type: none"> <li>i. Mainly water polluting (small scale) may be installed.</li> <li>ii. The water pollution score is normalized to 100 is valid for Hotels having waste water generation &gt; 100 KLD</li> <li>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 &amp; are categorized as Orange.</li> <li>iv. The hotels having more than 20 rooms and waste water generation less than 10 KLD and</li> </ul>

												having no boiler & no hazardous waste generation, the pollution reduction is categorized as Green
32	34	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HWI M, HS, 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 ISIR, Code word "Reds" Battery lugs covered by ISIR, Code word "Redies". Scrap drained/dry while intact, lead batteries covered by ISIR, Code word "Gins".	30	-	30	25	-	25	20	75	R-R	All the three types of pollutants are generated
33	34	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule iv of HWI M, HS, TBM rules, 2008 - Items - namely - Integrated Recycling Plants -- Components of waste electrical and electronic assemblies comprising accumulation and other batteries included on list A, mercury-switches, activated glass outlets from cathode-ray tubes and other activated glass and PCB-capacitor, 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.	30	-	30	25	-	25	20	75	R-R	All the three types of pollutants are generated
34	43	Manufacturing of glue and gelatin	30	10	40	20	-	20	-	75	R-R	Highly water polluting & odorous air polluting
35	49	Mining and ore beneficiation	30	10	40	15	5	20	-	75	R-R	Both air and water polluting. Score is normalized with air & water pollution



36	52	Nuclear power plant	10	-	10	30	-	30	15	75	R-R	<ul style="list-style-type: none"> <li>i. Mainly air pollution due to the release of Others - cooling water</li> <li>ii. Air pollution score is normalized to 100</li> </ul>
37	58	Pesticides (technical) (excluding formulation)	30	-	30	15	-	75	20	75	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the categories of Highly Polluting Industries</li> <li>ii. Such types of industrial sectors generate all sorts of pollution</li> </ul>
38	64	Photographic film and its chemicals	30	-	30	-	-	-	-	75	R-R	<ul style="list-style-type: none"> <li>i. Silver salts and other chemicals are used in preparation. Slight quantity of effluents generated</li> <li>ii. Water pollution scores are normalized to 100</li> </ul>
39	68	Railway locomotive work shop/Integrated road transport workshop/Authorized service centers	20	10	30	-	-	-	30	75	R-R	<ul style="list-style-type: none"> <li>i. Mainly water pollution industry. Water is used in the washing of locomotives and transport vehicles during servicing</li> <li>ii. This score is valid for those centers having discharge more than 100 KLD</li> <li>iii. Service Centers having water/water generator &lt; 100 KLD, the normalized score will be <math>100 * 20 / 40 = 50</math></li> </ul>
40	84	Yarn / Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and coloring	30	10	40	15	-	15	20	75	R-R	in this sector all sorts of pollution are generated
41	8	Chlor Alkali	30	10	40	20	10	30	30	80	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the categories of Highly Polluting Industry</li> <li>ii. Chlor-alkali units are having different layouts like NaOH, Cl<sub>2</sub>, S&amp;P etc which are having their effluents. Additionally, fuel consumption is also on higher side</li> </ul>
42	70	Ship Breaking Industries	30	-	30	30	-	30	20	80	R-R	<ul style="list-style-type: none"> <li>i. The ship-breaking industry creates numerous hazards for the coastal and marine environment</li> <li>ii. Ship-breaking releases a large quantity of dangerous pollutants including toxic waste, oil, polychlorinated biphenyls and heavy metals, into the water and air</li> <li>iii. While most of the oil is recovered before a ship is scrapped, 4-10 percent of the remaining oil is thrown into the air. High concentrations of oil and gases are often found in the coastal waters, making marine life</li> </ul>

											<p>iv. Solid waste strewn on the roads &amp; land on any given day according to standards of the Central Pollution Control Board. Any funds in way into the sea.</p> <p>v. Adding to the stress on coastal waters, the organic load from the thousands of workers living in cramped conditions with little or no sanitary facilities results in unacceptable high levels of BOD.</p>	
43.	53	Oil and gas extraction including CBM (offshore & on-shore extraction through drilling wells)	30		30			20	83	8-8	<p>i. Mainly water polluting &amp; hazardous waste generating</p> <p>ii. The water pollution &amp; HW generation scores are normalized to 100.</p>	
44.	36	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	30		30			20	83	8-8	Mainly water polluting & hazardous waste generating industry. Scores are normalized to 100.	
45.	80	Tanneries	30		30			20	81	8-8	Mainly water polluting & hazardous waste generating industry. Scores are normalized to 100.	
46.	65	Ports and harbour, jetties and dredging operations	30	10	40	15	10	25	20	85	8-8	This category contain all sorts of pollution.
47.	77	Synthetic fibers including rayon, tyre cord, polyester filament yarn	30	10	40	25	10	35	10	85	8-8	This sector generates all sorts of pollution problems.
48.	81	Thermal Power Plants	30	10	40	20	10	30	15	85	8-8	<p>i. This industrial sector is the one among the 17 categories of Highly Polluting industries.</p> <p>ii. TPP generate all sorts of pollution problems.</p>
49.	71	Slaughter house (as per notification S.O.270(E)dated 26.03.2001)and meat processing industries, bone mill, processing of animal horns, hoofs and other body parts	25	10	35					87.5	8-8	Mainly water polluting and odorous odour generating industry. The water pollution score is normalized to 100.
50.	7	Aluminium Smelter	30	10	40	20	10	30	21	90	8-8	<p>i. This industrial sector is the one among the 17 categories of highly polluting industries.</p> <p>ii. This sector is generating all sorts of pollution in air, water and HW.</p>
51.	12	Copper Smelter	30	10	40	20	10	30	20	90	8-8	<p>i. This industrial sector is the one among the 17 categories of highly polluting industries.</p> <p>ii. Integrated Copper Smelters, consist all sorts of</p>

52	20	Fertilizer (basic) (excluding formulation)	30	10	40	20	10	10	20	50	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Generates all sorts of pollution.</li> </ul>
53	17	Iron & Steel (involving processing from ore/ integrated steel plants) and/or sponge iron units.	30	10	40	20	10	10	20	90	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Such types of industrial sectors generate all sorts of pollution.</li> </ul>
54	61	Pulp & Paper (waste paper based units with bleaching process to manufacture writing & printing paper)	25	10	35	25	10	35	20	90	R-R	<ul style="list-style-type: none"> <li>Waste paper based Pulp &amp; Paper mills with bleaching process generate all sorts of pollution.</li> </ul>
55	85	Zinc Smelter	30	10	40	20	10	10	20	90	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Integrated Zinc smelter generates all sorts of pollution problems.</li> </ul>
56	55	Oil Refinery (mineral OIL or Petro Refineries)	30	10	40	25	10	15	20	95	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Such types of industrial sectors generate all sorts of pollution.</li> </ul>
57	59	Petrochemicals Manufacturing (including processing of Emulsions of oil and water)	30	10	40	25	10	15	20	95	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Such types of industrial sectors generate all sorts of pollution.</li> <li>iii. The earlier red category industries (including the "Processing of Emulsions of Oil &amp; Water" merged with this industrial sector).</li> </ul>
58	60	Pharmaceuticals	30	10	40	30	5	15	20	95	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Such types of industrial sectors generate all sorts of pollution.</li> </ul>
59	61	Pulp & Paper (Large-Agro + wood), Small Pulp & Paper (agro based-wheat straw/rice husk)	30	10	40	25	10	35	20	95	R-R	<ul style="list-style-type: none"> <li>i. This industrial sector is the one among the 12 categories of highly polluting industries.</li> <li>ii. Large /Small Agro based Pulp &amp; Paper mills contribute all sorts of pollution problems.</li> </ul>
60	15	Distillery (molasses / grain / yeast based)	30	10	40					100	R-R	<ul style="list-style-type: none"> <li>Mainly water polluting industry. Final score is the normalized water pollution score.</li> </ul>

Note:

i. Under the column Revised Category, the full forms of the abbreviations are as follows:

- R-R means original category was Red and revised category is also Red
- R-O means original category was Red and revised category is Orange
- O-O means original category was Orange and revised category is also Orange
- O-G means original category was Orange and revised category is Green
- O-W means original category was Orange and revised category is White
- G-O means original category was Green and revised category is Orange
- G-G means original category was Green and revised category is also Green
- G-W means original category was Green and revised category is White

ii. There are specific remarks in respect of some of the industrial sectors. These sectors are either merged with other relevant sectors or deleted due to duplication. The details are as follows:

Sl No.	Original S No.	Industry Sector	Original Category	Remarks
1	24	Common treatment and disposal facilities (CETP, TSD, E-waste recycling, CBMWTF, effluent treatment project incinerator, solvent/fluid recovery plant, MSW sanitary land fill site)	R	i. All such facilities are classified as Red but special category projects as these are parts of pollution control facilities. ii. In case of CETP, the categorization will depend upon the category of member industries being served.
2	28	Processing of Emulsions of Oil & Water		It is a part of Petrochemical industries. Transferred and merged with the industrial sector namely "Petrochemicals" at Sl. No. 54.
3	27	Heavy engineering including ship building (with investment in Plant & Machinery more than Rs 10 crns.)	R	Most of the pollution generating processes / operations under the category are similar to the industry category namely "Automobile Manufacturing (Integrated as well as Non-Integrated)" and may be reformed accordingly.
4	30	Hydrocyanic acid and its derivatives	R	Have been merged with the red category industrial sector namely "Basic Chemicals and Inorganic Chemicals and its derivatives including manufacturing of acid" at Sl. No. 29.
5	32	Industrial solvent gases / compressed gases (except ammonia) and other inert gases	R	The classification and merger with the category of the industry at Sl. No. 31, proposed to be permitted in the area of this category, guidelines announced in the Notification, 2006 shall be followed.
6	33	Industrial inorganic gases namely- a) Chemical gas- Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen sulphide, phosphine b) Hydrocarbon gases- Methane, ethane, propane	R	These gases are generally secondary products and produced along with other main products. To be classified as per the main parent plant.
7	69	Reprocessing of used oils & waste oils	R	i. The industry generates mostly the air pollution and oil bearing hazardous wastes. The normalized (air pollution & HW) generation score is 58.33. ii. To be deleted as already covered under HW Recyclers / Re-processors (Sl. No. 5 / Waste Oil) under Orange Category.

Table G-3 : Final List of Orange Category of Industrial Sectors

Final Sl. No	Orgnl. S.No	Industry Sector	W1	W2	W	A1	A2	A	H	W+A+H	Revised category	Remarks
1.	20	Dismantling of rolling stocks ( wagons/ coaches)	-	--	-	15	-	15	10	41.67	O-O	Emissions of dust and generation of waste oil take place during dismantling. Air pollution & HW generation scores (15-10+25) are normalized to 100.
2.	5	Bakery and confectionery units with production capacity > 1 TPD. ( With ovens / furnaces)	20	-	20	15	-	15	-	43.75	O-O	
3.	10	Chanchar and ladoo from puffed and beaten rice( muri and shira) using husk fired oven	20	-	20	15	-	15	-	43.75	O-O	Normal water and air polluting.
4.	23	Coated electrode manufacturing	15	0	15	20	0	20	0	43.75	G-O	Preparation of core wire / rod, preparation of dry mix, preparation of wet mix, application of coating by extrusion, baking of coated electrodes.
5.	24	Compact disc computer floppy and cassette manufacturing / Reel manufacturing	15	0	15	20	0	20	0	43.75	G-O	Generates waste water and process emissions.
6.	24	Flakes from rejected PET bottle	20	-	20	15	-	15	-	43.75	R-O	Normal water & air pollutions are generated.
7.	30	Food and food processing including fruits and vegetable processing	20	-	20	15	-	15	-	43.75	O-O	Normal water and air polluting.
8.	40	Jute processing without dyeing	20	-	20	15	-	15	-	43.75	O-O	CPCB has notified standards for this category. Both air and water pollutions are generated.
9.	56	Manufacturing of silica gel	15	0	15	20	0	20	0	43.75	G-O	Waste waters containing TDS and emissions of H <sub>2</sub> SO <sub>4</sub> are generated.

10.	45	Manufacturing of tooth powder, toothpaste, talcum powder and other cosmetic items	20	--	20	15	--	15	--	43.75	O-O	Both air and water pollution are generated
11.	55	Printing or etching of glass sheet using hydrofluoric acid	15	--	15	20	--	20	--	43.75	O-O	Both air and water pollution are generated.
12.	65	Silk screen printing, serif printing by wooden blocks	20	--	20	15	--	15	--	43.75	O-O	Wash-water and PM emissions from boilers
13.	76	Synthetic detergents and soaps(excluding formulation)	20	--	20	15	--	15	--	43.75	R-O	i. This is the score for units having generation of waste-waters less than 500 kLD ii. The units having waste-water generation more than 100 kLD will become mainly water polluting and accordingly normalized water pollution score will be 75 and be categorized as Red
14.	71	Thermometer manufacturing	15	--	15	20	--	20	--	43.75	O-O	Process - making glass bulb, forming reservoir in the glass tube for fluid, inserting fluid, scale marking, use of fuel to heat the glass tubes and hydrofluoric acid to etch the scaling. Small quantities of spent acids are generated.
15.	14	Cotton spinning and weaving (medium and large scale)	--	--	--	15	--	37.5	10	47.5	O-O	Mainly air polluting industry. Sources of air pollution (PM) are the fine particles of cotton from spinning process. Air pollution score is normalized to 100.
16.	1	Almirah, Grid Manufacturing (Dry Mechanical Process)	--	--	--	20	--	20	--	50	O-O	Air pollution due to spray painting (emissions of VOCs) units without painting operations shall be categorized as White

17.	2	Aluminium & copper extraction from scrap using oil fired furnace (dry process only)	-	-	-	20	-	20	10	50	O-O	i. Normalized air pollution score. ii. Significant air pollution due to melting temperature of SO <sub>2</sub> , PM.
18.	3	Automobile servicing, repairing and painting (excluding only fuel dispensing)	20	--	20	20	--	20	10	50	O-O	Normal water & air pollution and recyclable waste oil generating. If the waste water generation is more than 100 KLD, it will become mainly water polluting and Red category unit.
19.	4	Ayurvedic and homeopathic medicine	20	-	20	15	-	15	15	50	O-O	
20.	7	Brickfields (excluding fly ash brick manufacturing using lime process)	-	-	-	20	--	20	--	50	O-O	Significantly air polluting
21.	8	Building and construction project more than 20,000 sq. m built up area	20	-	20	20	--	20	--	50	O-O	i. In the pre-construction stage, it is mainly air polluting due to generation of dusts (PM <sub>10</sub> ) emissions. 2. After construction, it is mainly water polluting. If the discharge is more than 100 KLD, it will be having the normalized score of 75 and be categorized as Red.
22.	6	Ceramics and Refractories	-	-	-	20	-	20	-	50	R-O	i. Mainly air polluting industry. ii. This score is for the units having coal consumption < 12 MT/day iii. For the units having coal consumption > 12 MT/day, the normalized air pollution score will be 62.5 and they will be categorized as Red.

23.	11	Coal washeries	15	10	25	15	-	15	-	50	R-G	i. Wet washeries are mainly water polluting industry generating effluents which are having inorganic SS & TDS. Additionally, air pollution due to PM emissions is also generated. ii. Water & air pollution scores are both, normalized to 100.
24.	16	Dairy and dairy products (small scale)	20	-	20	20	-	20	-	50	O-O	Water and air polluting both
25.	18	DG set of capacity >1MVA but < 5MVA	-	-	-	20	-	20	-	50	O-O	Mainly air polluting & air pollution score is normalized to 100.
26.	17	Dry coal processing, mineral processing, industries involving ore sintering, pelletising, grinding & pulverization	-	-	-	20	-	20	-	50	R-O	Mainly air polluting industry. Final score is the normalized air pollution score.
27.	19	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol)	20	-	20	-	-	-	-	50	R-O	i. Mainly water polluting industry. This is the normalized water pollution score for units having discharge < 100 KL/d. ii. For the units having discharge > 100 KL/d the normalized water pollution score will be 75 and that be accordingly categorized as Red.
28.	21	Ferrous and Non-ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making	-	-	-	15	5	20	10	50	R-O	i. Mainly air polluting. ii. This score is applicable on secondary production of ferrous & non-ferrous metals (excluding blast furnace & MMF based production).



												<p>iii. For lead the normalized air pollution score will be <math>= (100/25) \times 40 = 62.5</math> and is categorized as Red.</p> <p>iv. For induction furnace clubbed with ACD furnace - separate calculation shall be made based on the capacity of the furnaces. In such industries the molten metal from induction furnace is transferred to ACD furnace where other metals like manganese and nickel are added to get the metal of desired constituents. The lime and silicon are also added for reduction of the metal oxides to the pure metal the normalized air pollution score will be <math>= (100/25) \times 40 = 62.5</math> and is categorized as Red.</p>
29.	26	Fertilizer (granulation / formulation / blending only)	--	--	--	20	--	20	--	50	0-0	Air polluting
30.	27	Fish feed, poultry feed and cattle feed	--	--	--	20	--	20	--	50	0-0	Obnoxious odour H2S etc. SF scores normalized to 100.
31.	28	Fish processing and pecking (excluding chilling of fishes)	20	--	20	--	--	--	--	50	0-0	Mainly water polluting. SF scores normalized to 100.

32.	31	Forging of ferrous and non-ferrous metals ( using oil and gas fired furnaces)	--	--	--	20	--	20	--	50	O-O	Heating furnace. Mainly air polluting.
33.	32	Formulation/pelletization of camphor tablets, naphthalene balls from camphor/ naphthalene powders.	--	--	--	20	--	20	--	50	O-O	Mainly air polluting. Emissions of Benzene, HC are expected.
34.	33	Glass ceramics, earthen pottery and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride etc.	--	--	--	20	--	20	--	50	O-O	Mainly air polluting. Emissions of SO <sub>2</sub> are expected.
35.	35	Gravure printing, digital printing on film, vinyl	20	--	20	20	--	20	10	50	O-O	Waste water. Emissions of VOCs.
36.	36	Heat treatment using oil fired furnace ( without cyaniding)	--	--	--	20	--	20	--	50	O-O	Mainly air polluting and noise generating. AP score is normalized to 100.
37.	28	Hot mix plants	-	-	-	20	-	20	-	50	R-O	Mainly air polluting. Air pollution scores are normalized to 100.
38.	37	Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms.	20	--	20	20	--	20	--	50	O-O	Mainly water polluting. WP score is normalized to 100.
39.	38	Ice cream	20	--	20	20	--	20	--	50	O-O	Wash water and boilers. Even for pasteurization.
40.	34	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	-	-	-	20	0	20	0	50	R-O	Mainly air polluting. Air pollution score is normalized to 100.
41.	34	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	10	-	10	20	-	20	10	50	R-O	Mainly air polluting.

		dispensible form. Slags from copper processing for further processing or refining - Insulated Copper Wire. Scrap/copper with PVC sheathing including ERI-code material namely "Deud" - 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 dispensible from.										
42.	35	Industry or processes involving foundry operations	-	-	-	20	-	20	-	50	R-O	1. This score is valid for the foundries having capacity < 5 MT/hr as such units require the coal/coke @ < 500 kg/hr. 2. The units having capacity of 5 MT/hr and more the coal/coke consumption will be more than 500 kg/hr and the normalized score will be 62.5 and classified accordingly as Red
43.	40	Lime manufacturing (using lime kiln)	-	-	-	20	-	20	-	50	R-O	Mainly air polluting
44.	41	liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing	20	-	20	20	-	20	-	50	O-O	Both air and water pollution are generated.

45.	42	Manufacturing of glass	10	-	-	20	-	20	-	50	R-O	1. Mainly air polluting & melting at 1500°C and refining. 2. In case of lead glass, the issue of AS will be 25 mg/m <sup>3</sup> accordingly, the normalized source will be 62.5 g/yr. Red.
46.	43	Manufacturing of iodized salt from crude/ raw salt	12	--	12	20	--	20	--	50	O-O	Boiling in Evaporator (multiple effect evaporator), centrifuging, iodization with KI03 mixing. Mainly air polluting. Air pollution index is normalized to 100.
47.	42	Manufacturing of mirror from sheet glass	--	--	--	20	--	20	--	50	O-O	Evaporator & furnace for heating the metal to be applied as reflector on mirror. Mainly air polluting.
48.	44	Manufacturing of mosquito repellent coil	--	--	--	20	--	20	--	50	O-O	Mainly air polluting. Toxic fumes are expected.
49.	46	Manufacturing of Starch/Sago	25	-	25	15	-	15	-	50	R-O	1. Water and air polluting industry. Some steam generation. 2. Water & air pollution index are normalized to 100.
50.	46	Mechanized laundry using oil fired boiler	20	-	20	20	-	20	-	50	O-O	Both air and water pollution are generated.
51.	47	Modular wooden furniture from particle board, MDF or swan timber etc. Ceiling tiles/ partition board from saw dust, wood chips etc. and other agricultural waste using synthetic adhesive resin, wooden box making (With boiler)	--	--	--	20	--	20	--	50	O-O	1. Mainly air polluting. Boiler as well as VOCs from use of adhesives. 2. Without boiler, it will be a Green category industry.
52.	50	New highway construction project	-	-	-	20	-	20	-	50	R-O	Mainly air polluting project.

53.	51	Non-alcoholic beverages (soft drinks) & bottling of alcohol/non alcoholic products	20	-	20	15	5	20	-	50	8-0	i. Both air and water polluting. Score is normalized with air & water pollution. The score is 80 and for a factory having waste-water generation > 100 kLD. ii. For the units having waste-water generation < 100 kLD the normalized score would be 62.5 and categorized as Red
54.	49	Paint blending and mixing (Ball mill)	20	-	20	20	-	20	10	50	0-0	Both air and water pollution are generated.
55.	62	Paints and varnishes (mixing and blending)	20	0	0	20	0	20	0	50	6-0	Waste-waters as well as fumes of VOCs due to solvents, pigments, varnishes.
56.	51	Ply-board manufacturing (including Veneer and laminate) with oil fired boiler/ thermic fluid heater (without resin plant)	0	-	0	20	-	20	-	50	0-0	Mainly air polluting because of use of boiler. AP score is normalized to 100.
57.	52	Potable alcohol (IMF) by blending, bottling of alcohol products	20	-	20	-	-	-	-	50	0-0	Mainly water polluting. WP scores normalized to 100.
58.	54	Printing ink manufacturing	20	-	20	20	-	20	-	50	0-0	1. Pigments, binders, and solvents are used. 2. Boilers are also used. 3. emissions of VOCs take place.
59.	70	Printing press	20	0	20	20	0	20	0	50	6-0	Colored waste-waters containing dye and VOC emissions are generated.
60.	59	Reprocessing of waste plastic including PVC	20	-	20	20	-	20	-	50	0-0	Large quantities of waste-water and fugitive emissions are generated.
61.	61	Rolling mill (oil or coal fired) and cold rolling mill	10	-	10	20	-	20	-	50	0-0	Mainly air polluting. Air pollution score is normalized to 100. Others - cooling water and recyclable waste-water are generated.
62.	67	Spray painting, paint baking, paint stripping	-	-	-	20	-	20	10	50	0-0	Mainly air polluting. Emissions of VOCs and HC are generated.

63.	72	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	10	-	10	20	-	20	10	50	R-O	i. Mainly air polluting in the emissions, levels of manganese, nickel etc. are also present. ii. Air pollution score is normalized to 100.
64.	73	Stone crushers	-	-	-	20	-	20	-	50	R-O	Mainly air polluting. Air pollution score is normalized to 100.
65.	75	Surgical and medical products including prophylactics and latex	20	-	20	20	-	20	-	50	R-O	Both air as well as water polluting. Air and water pollution scores are normalized to 100.
66.	85	Teflon based products	0	0	0	20	0	20	0	50	G-O	Due to spraying applications, emissions (HCl) are generated.
67.	70	Thermocol manufacturing (with boiler)	-	--	-	20	--	20	--	50	O-O	Polystyrene is heated. Mainly air polluting with boiler.
68.	82	Tobacco products including cigarettes and tobacco/opium processes	20	-	20	20	-	20	-	50	R-O	Such industries generate both air as well as water pollution. These scores are normalized to 100.
69.	72	Transformer repairing/ manufacturing (dry process only)	--	--	--	20	--	20	10	50	O-O	Mainly air polluting because of ovens, shot-blasting etc.
70.	73	Tyres and tubes vulcanisation/ hot retreating	10	--	10	20	--	20	--	50	O-O	Mainly air polluting. Emissions of PM, VOCs and sulphurous odour are generated.
71.	83	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils	20	-	20	15	5	20	10	50	R-O	i. All sort of pollution is generated. ii. This score is valid for plants having waste-water generation < 100 KLD. iii. If the waste-water generation is more than 100 KLD, the unit shall be classified as Red.
72.	74	Wire drawing and wire netting	20	-	20	-	-	-	-	50	O-O	Mainly water polluting. Air scores normalized to 100.

73.	21	Dry cell battery (excluding manufacturing of electrodes) and assembling & charging of acid lead battery on micro scale	30	-	30	15	-	15	10	55	O-O	Water and air polluting both.
74.	50	Pharmaceutical formulation and for R & D purpose (For sustained release/ extended release of drugs only and not for commercial purpose)	20	-	20	20	-	20	15	55	O-O	a. All sorts of pollution are generated b. R&D activities are to be shifted to Red category.
75.	78	Synthetic resins	20	-	20	20	-	20	15	55	R-O	All sorts of pollution are generated
76.	79	Synthetic rubber excluding molding	20	-	20	20	-	20	15	55	R-O	a. Most synthetic rubber is created from two materials: styrene and butadiene. Both are currently obtained from petroleum. b. Process is similar to a part of Petrochemical plants.
77.	9	Cashew nut processing	25	-	25	20	-	20	-	56	O-O	Normal water and air polluting.
78.	12	Coffee seed processing	25	-	25	20	-	20	-	56	O-O	Normal water & air polluting industry.
79.	57	Parboiled Rice Mills	25	-	25	20	-	20	-	56	R-O	i. Rice Mills are generating both air and water pollution. Wastewaters are having high strength in respect of BOD. ii. This is the process for air & water pollution score for units having waste water generation $< 100$ KLD and for consumption less than 12 MTD. iii. For units having waste water generation $> 100$ KLD or for consumption $> 12$ MTD or both the units are to be classified as Red.

80.	29	Foam manufacturing	--	--	--	20	--	20	15	58	O-O	i. Raw material is polyurethane latex etc. ii. Emissions of VOCs and HAPs, CH <sub>2</sub> O and similar compounds as blowing agents iii. Outdated raw material and spent latex are discarded in HW.
81.	34	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of HW (M, HS TBM) rules, 2008 - Items namely Used Oil -- As per specifications prescribed from time to time.	10	0	10	20	0	20	15	58.33	R-O	Mainly air polluting and hazardous waste generating industry. Air pollution & HW score are normalized to 100.
82.	34	Industries engaged in recycling / reprocessing/ recovery/reuse of Hazardous Waste under schedule IV of HW (M, HS TBM) rules, 2008 - Items namely Waste Oil --As per specifications prescribed from time to time.	--	--	--	20	0	20	15	58.33	R-O	Mainly air polluting and hazardous waste generating industry. Air pollution & HW score are normalized to 100.
83.	56	Producer gas plant using conventional up drift coal gasification (linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply)	--	--	--	20	--	20	15	58.33	O-O	Mainly air polluting & (NH <sub>3</sub> ) generating SO <sub>2</sub> , CO, HCN etc generated. Tar is the by-product and utilized by other industries in co-processing.

Note:

- i. Under the column Revised Category, the full forms of the abbreviations are as follows:
  - a. R-R means original category was Red and revised category is also Red
  - b. R-O means original category was Red and revised category is Orange
  - c. O-O means original category was Orange and revised category is also Orange
  - d. O-G means original category was Orange and revised category is Green
  - e. O-W means original category was Orange and revised category is White
  - f. G-O means original category was Green and revised category is Orange
  - g. G-G means original category was Green and revised category is also Green
  - h. G-W means original category was Green and revised category is White



- ii. There are specific remarks in respect of some of the industrial sectors. These sectors are either merged with other relevant sectors or deleted due to insufficient data category. The overall details are as follows:

Sl No	Origin of Sl No.	Industry Sector	Original Category	Remarks
1	24	Excavation of sand from the river bed (excluding manual excavation)	O	Since such types of activities cause ecological disturbances, the instructions issued by the government from time to time be followed. To be categorized by MEF & I.
2	39	Infrastructure Development Project	O	Most variety of such projects come under such category. This is to be decided by the concerned SPCB in line of EIA Notification, 2006.
3	53	Power press	O	Very vague term hence deleted. Such types of general engineering units have already been covered.

Table G-4 : Final List of Green Category of Industrial Sectors

Sl. No.	Orgnl. Sl. No.	Industry Sector	W1	W2	W	A1	A2	A	H	W+A+H	Revised Category	Remarks
1	2	Aluminium utensils from aluminium circles by pressing only (dry mechanical operation)	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions from heating operations
2	6	Ayurvedic and homeopathic medicines (without boiler)	10	-	10	-	-	-	-	25	G-G	Small quantities of waste-waters are generated from washing operations
3	8	Bakery /confectionery /sweets products (with production capacity <1tpd (with gas or electrical oven)	10	-	10	-	-	-	-	25	G-G	Small quantities of waste-waters are generated from washing operations
4	6	Bi-axially oriented PP film along with metalizing operations	10	-	10	-	-	-	-	25	G-G	Mainly process involving Cooling & heat recirculation
5	10	Biomass briquettes (sun drying) without using toxic hazardous wastes	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions from pulverization, crushing operations
6	13	Blending of melamine resins & different powder, additives by physical mixing	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions from pulverization, crushing operations
7	15	Beass and bell metal utensils manufacturing from circles(dry mechanical operation without re-rolling facility)	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions from heating operations
8	16	Candy	10	-	10	10	-	10	-	25	G-G	Small quantities of waste-water are generated

												PM emissions are generated
9	17	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)	-	-	-	10	-	10	-	25	G-G	This score is valid with Small gas / electric operated oven / furnace for making glue
10	18	Carpentry & wooden furniture manufacturing (excluding saw mill) with the help of electrical (motorized) machines such as electrical wood planer, steel saw cutting circular blade, etc.	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions from cutting operations
11	19	Cement products (without using asbestos / boiler / steam curing) like pipe, pillar, jaffi, well ring, block/tiles etc. (should be done in closed covered shed to control fugitive emissions)	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions from mixing operations
12	20	Ceramic colour manufacturing by mixing & blending only (not using boiler and wastewater recycling process)	-	-	-	10	-	10	-	25	G-G	Minor air pollution due to some fugitive PM emissions.
13	11	Chilling plant, cold storage and ice making	10	-	10	-	-	-	-	25	O-G	Cooling water recirculation costs
14	13	Coke briquetting ( sun drying)	-	-	-	10	-	10	-	25	O-G	Mainly air polluting industry. Source of air pollution (PM) are pulverizers and mixers. Air pollution score is normalized to 100.
15	28	Cotton spinning and weaving (small scale)	-	-	-	10	-	10	-	25	G-G	Minor PM emissions from spinning process.
16	17	Dal Mills	-	-	-	10	-	10	-	25	O-G	Some fugitive emissions of PM

17.	29	Decoration of ceramic cups and plates by electric furnace	-	-	-	10	-	10	-	25	G-G	Fumes of enamels Minor air pollution
18.	19	Digital printing on PVC clothes	-	-	-	10	-	10	-	25	O-G	Minor emissions / odour generations are expected
19.	25	Facility of handling, storage and transportation of food grains in bulk	-	-	-	10	-	10	-	25	O-G	Some fugitive emissions of PM during handling of grains
20.	36	Flour mills (dry process)	-	-	-	10	-	10	-	25	G-G	Fugitive dust emissions
21.	41	Glass, ceramic, earthen potteries, tile and tile manufacturing using electrical kiln or not involving fossil fuel kiln	-	-	-	10	-	10	-	25	G-G	Minor fugitive emissions only
22.	34	Glue from starch (physical mixing) with gas / electrically operated oven / boiler	-	-	-	10	-	10	-	25	O-G	Some fugitive emissions of PM during mixing of raw materials
23.	42	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)	-	-	-	10	-	10	-	25	G-G	Minor fumes from cleaning process
24.	36	Heat treatment with any of the new technology like ultrasound probe, induction hardening, ionization beam, gas carburizing etc.	10	-	10	10	-	10	-	25	O-G	<ul style="list-style-type: none"> <li>Cooling water and minor heat fumes</li> <li>Finalizer's categorization subject to final verification</li> </ul>
25.	46	Insulation and other coated papers (excluding paper or pipe manufacturing)	-	-	-	10	-	10	-	25	G-G	Minor fumes due to application of poly-urethane
26.	49	Leather foot wear and leather products (excluding tanning and hide processing except cottage scale)	-	-	-	10	-	10	-	25	G-G	Minor fumes due to use of adhesives / glues

27	50	Lubricating oil, greases or petroleum based products (only blending at normal temperature)	-	-	-	10	-	10	-	25	G-G	Minor fugives at the time of transfer from one container to other.
28	54	Manufacturing of pasted veneers using gas fired boiler or thermic fluid heater and by sun drying.	-	-	-	10	-	10	-	25	G-G	1. Minor fugives due to application of gums / adhesives / pastes. 2. This site is well suited for gas fired boiler / thermic fluid heater and boiler stack is at a distance away.
29	59	Oil mill Ghani and extraction ( no hydrogenation / refining)	10	-	10	-	-	-	-	25	G-G	Small quantities of floor washings & equipments washings are generated.
30	48	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn	-	-	-	10	-	10	-	25	O-G	Some fugitive emissions of PM are expected.
31	65	Phenyl/toliet cleaner formulation and bottling	-	-	-	10	-	10	-	25	G-G	Minor fugives of VOCs in the work zone.
32	67	Polythene and plastic processed products manufacturing (virgin plastic)	10	-	10	10	-	10	-	25	G-G	Cooling water emissions due to mixing of raw materials.
33	68	Poultry, Hatchery and Piggery	-	-	-	10	-	10	-	25	G-G	Obnoxious odours containing H <sub>2</sub> S, CH <sub>4</sub> etc and fugitive PM emissions.
34	69	Power looms (without dye and bleaching)	-	-	-	10	-	10	-	25	G-G	Minor emissions of PM.
35	71	Puffed rice (muri) (using gas or electrical heating system)	-	-	-	10	-	10	-	25	G-G	Minor emissions of PM.
36	57	Pulverization of bamboo and scrap wood	-	-	-	10	-	10	-	25	O-G	Some fugitive emissions of PM are expected.
37	72	Ready mix cement concrete	-	-	-	10	-	10	-	25	G-G	PM emissions.
38	73	Reprocessing of waste cotton	-	-	-	10	-	10	-	25	G-G	PM emissions.
39	60	Rice mill (Rice hulls only)	-	-	-	10	-	10	-	25	O-G	PM emissions are generated mainly at

												polluting AP score normalized to 100
40.	62	Rolling mill ( gas fired) and cold rolling mill	10	-	10	10	-	10	-	25	O-G	Mainly air polluting. AP score is normalized to 100
41.	75	Rubber goods industry (with gas operated baby boiler)	-	-	-	10	-	10	-	25	G-G	Some PM emissions and obnoxious odour
42.	63	Saw mills	-	-	-	10	-	10	-	25	O-G	Mainly air polluting PM and noise are generated
43.	77	Soap manufacturing (hand made without steam boiling / boiler)	10	-	10	-	-	-	-	25	G-G	Small quantities of waste-water are generated
44.	80	Spice grinding (upto-20 HP motor)	-	-	-	10	-	10	-	25	G-G	Small quantities of fugitive emissions of raw materials
45.	66	Spice grinding (>20 hp motor)	-	-	-	10	-	10	-	25	O-G	Mainly air polluting Fugitive emissions of PM
46.	81	Steel furniture without spray painting	-	-	-	10	-	10	-	25	G-G	Obnoxious gases from welding as well as noise pollution
47.	82	Steeping and processing of grains	10	-	10	-	-	-	-	25	G-G	Washing waters are generated
48.	86	Tyres and tube retreating (without boilers)	-	-	-	10	-	10	-	25	G-G	Due to applications of bonding gum adhesives / cement some obnoxious fumes may generate
49.	22	Chilling plant and ice making without using ammonia	12	-	12	-	-	-	-	30	G-G	Cooling water and brine water should be recycled / blown down near the place
50.	26	CO2 recovery	12	-	12	-	-	-	-	30	G-G	Normal water pollution from scrubbing action
51.	32	Distilled water ( without boiler) with electricity as source of heat	12	-	12	-	-	-	-	30	G-G	TDS as distillation residues

52.	45	Hotels (up to 20 rooms and without boilers)	12	-	12	-	-	-	-	30	G-G	This score is valid for hotels having overall wastewater generation less than 10 KLD.
53.	53	Manufacturing of optical lenses (using electrical furnace)	12	-	12	-	-	-	-	30	G-G	Small quantities of waste-waters containing TDS 55 are generated.
54.	58	Mineralized water	12	-	12	-	-	-	-	30	G-G	RO Rejects.
55.	68	Tamarind powder manufacturing	12	-	12	15	-	15	-	33.75	O-G	<ul style="list-style-type: none"> <li>• Dried tamarind fruits cleaned and after soaking them in water they are boiled in clean jacketed kettle for about 40-45 minutes. Then pulp is extracted on paper and dried in drum type drier and on cooling the final product is packed.</li> <li>• Generate small quantities of waste water and emissions which are normal to the process.</li> </ul>
56.	15	Cutting, sizing and polishing of marble stone	15	-	15	-	-	-	-	37.5	D-G	Mainly water polluting. Water pollution score is normalized to 15.
57.	22	Emery powder ( fine dust of sand) manufacturing	-	-	-	15	-	15	-	37.5	D-G	Air polluting. PM emissions take place during various stages of grinding of naturally occurring minerals.
58.	25	Flyash export, transport & disposal facilities	-	-	-	15	-	15	-	37.5	R-G	<ul style="list-style-type: none"> <li>• This is mainly air polluting activity.</li> <li>• This is mainly transport score based on air pollution.</li> </ul>
59.	48	Mineral stack yard / Railway sidings	15	-	15	15	-	15	-	37.5	R-G	• Mainly air pollution due to loading, unloading, storage and transportation of the minerals.

60.	54	Oil and gas transportation pipeline	-	-	-	10	5	15	-	37.5	R-G	<ul style="list-style-type: none"> <li>Waste-water generated during core drill</li> <li>Contains mostly gas-based power plants up to 5 MWs</li> <li>Air pollution score is normalized to 100</li> <li>In case of more power plants and bigger amount of gases, scores will be calculated accordingly</li> </ul>	
61.	64	Seasoning of wood in steam heated chamber	--	--	--	15	--	15	--	37.5	O-G	<ul style="list-style-type: none"> <li>Air pollution due to use boiler for supply of steam</li> <li>Air pollution score is normalized to 100</li> </ul>	
62.	84	Synthetic detergent formulation	--	--	--	15	--	15	--	37.5	G-G	<ul style="list-style-type: none"> <li>This score is valid for the industries which are manufacturing (this is produced from outside)</li> <li>Small quantities of emissions are generated from the boiler</li> <li>Air pollution score is normalized to 100</li> </ul>	
63.	69	Tea processing (with boiler)	--	--	--	15	--	15	--	37.5	O-G	<ul style="list-style-type: none"> <li>With boiler it is an orange category industry</li> <li>Without boiler it will be green category industry</li> </ul>	



## Note :

- i. Under the column Revised Category, the full forms of the abbreviations are as follows:
- R-R means original category was Red and revised category is also Red
  - R-O means original category was Red and revised category is Orange
  - O-O means original category was Orange and revised category is also Orange
  - O-G means original category was Orange and revised category is Green
  - O-W means original category was Orange and revised category is White
  - G-O means original category was Green and revised category is Orange
  - G-G means original category was Green and revised category is also Green
  - G-W means original category was Green and revised category is White

- ii. There are specific remarks in respect of some of the industrial sectors. These sectors are either merged with other industrial sectors or deleted due to duplication. Details are as follows:

Sl No	Origin of Sl No.	Industry Sector	Original Category	Remarks
1	47	Jobbing and Machining	G	Vague category to be deleted, as such activities have already been covered in other categories.
2	66	Reel manufacturing	G	Already covered in other categories. Hence, deleted
3	1	Assembling of acid lead batteries (up to 10 batteries per day excluding lead plate casting)	G	Already covered in Orange category. Hence, deleted
4	5	Automobile fuel outlets (only dispensing)	G	Minor air pollution due to some fugitive emissions during fuel filling operations. May be exempted from the purview of Consent management.
5	30	Diesel generator sets (15 KVA to 1 MVA)	G	<ul style="list-style-type: none"> <li>Normal operation - 12 hrs a day.</li> <li>Consumption of diesel = 1580 litres for 1 MVA DG set at full load of 0.27 litres / KVA / hr.</li> <li>Stand-alone DG Sets having total capacity 1 MVA or less and equipped with acoustic enclosures alongwith adequate stack height may be exempted from the purview of Consent management. Higher capacity DG sets have already been covered under Red / Orange categories.</li> </ul>

Table G-5: Final List of White Category of Industries

Sl. No.	Orgnl Sl. No.	Industry Sector	W1	W2	W	A1	A2	A	H	W+A+H	Revised Category
1.	3	Assembly of air coolers /conditioners ,repairing and servicing	--	--	--	--	--	--	--	--	G-W
2.	4	Assembly of bicycles ,baby carriages and other small non motorizing vehicles	--	--	--	--	--	--	--	--	G-W
3.	7	Baling (hydraulic press)of waste papers	--	--	--	--	--	--	--	--	G-W
4.	9	Bio fertilizer and bio-pesticides without using inorganic chemicals	--	--	--	--	--	--	--	--	G-W
5.	11	Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)	--	--	--	--	--	--	--	--	G-W
6.	12	Blending and packing of tea	--	--	--	--	--	--	--	--	G-W
7.	14	Block making of printing without foundry (excluding wooden block making)	--	--	--	--	--	--	--	--	G-W
8.	21	Chalk making from plaster of Paris (only casting without boilers etc. ( sun drying / electrical oven)	--	--	--	--	--	--	--	--	G-W
9.	25	Compressed oxygen gas from crude liquid oxygen ( without use of any solvents and by maintaining pressure & temperature only for separation of other gases)	--	--	--	--	--	--	--	--	G-W
10.	27	Cotton and woolen hosiery making ( Dry process only without any dyeing / washing operation)	--	--	--	--	--	--	--	--	G-W
11.	31	Diesel pump repairing and servicing ( complete mechanical dry process)	--	--	--	--	--	--	--	--	G-W
12.	33	Electric lamp ( bulb) and CFL manufacturing by assembling only	--	--	--	--	--	--	--	--	G-W

13.	34	Electrical and electronic item assembling (completely dry process)	--	--	--	--	--	--	--	--	G-W
14.	23	Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)	--	--	--	--	--	--	--	--	G-W
15.	35	Flavoured betel nuts production/ grinding (completely dry mechanical operations)	--	--	--	--	--	--	--	--	G-W
16.	37	Fly ash bricks/ block manufacturing	--	--	--	--	--	--	--	--	G-W
17.	38	Fountain pen manufacturing by assembling only	--	--	--	--	--	--	--	--	G-W
18.	39	Glass ampules and vials making from glass tubes	--	--	--	--	--	--	--	--	G-W
19.	40	Glass putty and sealant (by mixing with machine only)	--	--	--	--	--	--	--	--	G-W
20.	43	Ground nut decortating	--	--	--	--	--	--	--	--	G-W
21.	44	Handloom/ carpet weaving (without dyeing and bleaching operation)	--	--	--	--	--	--	--	--	G-W
22.	48	Leather cutting and stitching (more than 10 machine and using motor)	--	--	--	--	--	--	--	--	G-W
23.	51	Manufacturing of coir items from coconut husks	--	--	--	--	--	--	--	--	G-W
24.	52	Manufacturing of metal caps containers etc	--	--	--	--	--	--	--	--	G-W
25.	55	Manufacturing of shoe brush and wire brush	--	--	--	--	--	--	--	--	G-W
26.	57	Medical oxygen	--	--	--	--	--	--	--	--	G-W
27.	60	Organic and inorganic nutrients (by physical mixing)	--	--	--	--	--	--	--	--	G-W
28.	61	Organic manure (manual mixing)	--	--	--	--	--	--	--	--	G-W
29.	63	Packing of powdered milk	--	--	--	--	--	--	--	--	G-W
30.	64	Paper pins and u clips	--	--	--	--	--	--	--	--	G-W
31.	58	Repairing of electric motors and generators (dry mechanical process)	--	--	--	--	--	--	--	--	G-W
32.	74	Rope (plastic and cotton)	--	--	--	--	--	--	--	--	G-W

33.	76	Scientific and mathematical instrument manufacturing	--	--	--	--	--	--	--	--	G-W
34.	78	Solar module non conventional energy apparatus manufacturing unit	--	--	--	--	--	--	--	--	G-W
35.	79	Solar power generation through solar photovoltaic cell, wind power and mini hydel power (less than 25 MW)	--	--	--	--	--	--	--	--	G-W
36.	83	Surgical and medical products assembling only (not involving effluent / emission generating processes)	--	--	--	--	--	--	--	--	G-W

Note: Under the column Revised Category, the full forms of the abbreviations are as follows:

- a. R-R means original category was Red and revised category is also Red
- b. R-O means original category was Red and revised category is Orange
- c. O-O means original category was Orange and revised category is also Orange
- d. O-G means original category was Orange and revised category is Green
- e. O-W means original category was Orange and revised category is White
- f. G-O means original category was Green and revised category is Orange
- g. G-G means original category was Green and revised category is also Green
- h. G-W means original category was Green and revised category is White



18/82/318

Annexure

केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
(परावरण एवं जन स्वास्थ्य, भारत सरकार)  
Central Pollution Control Board, Ministry of Environment and Forests, Government of India

No. B-29012/ESS/CPA/2015-16

19.08.2015

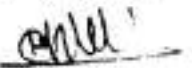
Sub: "Harmonization of Classification of industries under Red / Orange / Green / White Categories".

During the Conference of the Environment Ministers of States held in New Delhi during April 06-07, 2015, it was resolved to adopt pollution potential criteria for categorization of Red, Orange & Green categories of industries and that a Committee be constituted with State representatives. Further, in the 59<sup>th</sup> Conference of Chairmen & Member Secretaries of Pollution Control Boards/PCCs held in New Delhi on April 08, 2015, it was agreed to constitute a Committee to look into categorization system of industries based on their respective pollution potential index.

2. Accordingly, a Committee comprising the Chairmen of CPCB, APCCB, INPCB, MPCCB, MPCB, PCCB, WBPCB and MS, CPCB was constituted vide CPCB OM dated 23.04.2015 to review & classify industrial sectors into different categories based on criteria of respective pollution potential indices.
3. The existing Red ( 85 sectors) , Orange ( 73 sectors) and Green ( 86 sectors) industrial sectors have been assessed as per the proposed formula by a group of Scientists from CPCB. For this purpose, concerned Engineers / Scientists from the Member SPCBs of the Committee were also involved & consulted during May 28-29, 2015.
4. After careful examination and consideration of the suggestions of concerned stake-holders the "Draft Document on Revised Concept of Categorization of Industrial Sectors" is prepared by the Committee.

In this context, the Undersigned is directed to forward a copy of the "Draft Document on Revised Concept of Categorization of Industrial Sectors" to all the SPCBs, PCCs and concerned Ministries for their comments. Accordingly, the same is enclosed herewith and all the SPCBs, PCCs and concerned Ministries are, hereby requested to provide their comments by 04.09.2015. The comments may kindly be sent through hard copy as well as soft copy at e-mail: [nkgupta.cpcb@nic.in](mailto:nkgupta.cpcb@nic.in) / [nkgcpcb@hotmail.com](mailto:nkgcpcb@hotmail.com).

Encl : As above

  
[N.K. Gupta]  
Incharge - ESS

To:

1. The Secretary, Ministry of Environment and Forests, Government of India, New Delhi
2. The Secretary, Ministry of Micro Small and Medium Enterprises, New Delhi
3. The Secretary, Ministry of Heavy Industries & Public Enterprises, New Delhi
4. The Advisor & Incharge, CP Division, MoEFCC, New Delhi
5. CPCB Website

परिवेश भवन पूर्वी अर्जुन नगर, दिल्ली - 110032  
'Parivesh Bhawan', East Arjun Nagar, Delhi - 110032  
दूरभाष / Tel. - 43102030, फ़ैक्स / Fax - 22305793, 22307078, 22307079, 22301932, 22304948  
ई-मेल / e-mail : [cpcb@nic.in](mailto:cpcb@nic.in) वेबसाइट / Website : [www.cpcb.nic.in](http://www.cpcb.nic.in)

Annexure - 7II

18/83/319



HARYANA STATE POLLUTION CONTROL BOARD  
211 SECTOR-6 PANCHKULA

ORDER

A committee consisting of the officers headed by the Chairman of the Board is hereby constituted to carry out the work of the Board in the categorization of the new industries into four categories. The committee shall be known as the 'Committee for the Categorization of New Industries' and shall be constituted as per the following terms of reference:-

1. To constitute a committee for the categorization of new industries into four categories.

2. To submit a report to the Board on or before 31st May, 2016.

3. To submit a report to the Board on or before 31st May, 2016.

Sr Environmental Engineer  
Haryana State Pollution Control Board  
Panchkula

Sr. Secretary

Amrakhw-14

18/84/320



**HARYANA STATE POLLUTION CONTROL BOARD**

C-11, SECTOR-6, PANCHKULA  
Ph-2577870-73 E-mail: [hspcbho@gmail.com](mailto:hspcbho@gmail.com)

Office Order

Whereas the industrial sectors/ projects categorized by the Board under Red, Orange and Green Categories on the basis of directions of Central Pollution Control Board (CPCB) issued in June, 2012, for the purpose of consent management under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 were notified vide policy order Endst. No. 10195-10218 dated 07.03.2014 and published in the gazette on 15.04.2014;

Whereas the CPCB has withdrawn the earlier directions issued in June, 2012 in the context of categorization of industries as Red, Orange and Green and revised the categorization of industrial sectors/projects under Red, Orange, Green and white based upon the range of pollution index through modified directions issued under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 vide letter no. B-29012/ESS(CPA)/2015-16/8571 dated 07.03.2016;

Whereas CPCB vide above said modified directions, has directed all the State Pollution Control Boards (SPCBs) to adopt the revised criteria of categorization of industrial sectors and revised lists of Red, Orange, Green and White categories of industrial sectors as mentioned in the final report attached with the above said directions and shall be used by the SPCBs for consent management and inventorization of industries under Red, Orange, Green and White categories and siting of industries shall be only in conforming areas.

Whereas it has been provided in the final document on revised classification of industrial sectors appended with the above modified directions of CPCB that there shall be no necessity of obtaining the consent to operate for white category of industries and an intimation to concerned SPCB shall suffice and no Red category of industries shall normally be permitted in the ecologically fragile area/ protected area.

Whereas it has also be prescribed in the above said CPCB modified directions 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 by a committee headed by the Member Secretary and comprising of two Senior Engineers/Scientists of the SPCB following revised criteria & guidelines as detailed in the attached document and no concurrence of CPCB shall normally be required.

Whereas for compliance of the above provisions a committee comprising of 2 senior officers headed by Member Secretary of the Board, was constituted vide order Endst. No. 6862 dated 03.05.2016 to identify and inventorize the state specific left over industrial sectors and their categorization which are not listed in the revised list of Red, Orange, Green and White categories industrial sectors finalized by the CPCB and,

Whereas based on the revised criteria of categorization of industrial sectors and revised lists of Red, Orange, Green and White categories of industrial sectors as mentioned in the final report attached with the above said modified directions of the

[Signature]

CPCB and report and recommendations submitted by the committee on 01.07.2016. consolidated list of industrial sectors/projects covered under Red, Orange, Green and White Categories, have been finalized which is at Annexure-I to IV respectively and has been approved by the Competent Authority to adopt for the purpose of consent management under Water Act, 1974 and Air Act, 1981.

It is hereby ordered that in supersession of the earlier categorization of industrial sectors/ projects under Red, Orange and Green Categories done by the Board vide policy order Endst. No. 10195-10218 dated 07.03.2014 published in the gazette on 15.04.2014 the revised list of industrial sectors/projects finalized and categorized under Red, Orange, Green and White categories at Annexure-I to IV respectively shall be applicable in the Board for the purpose of consent management and inventORIZATION of industries under Red, Orange, Green and White categories under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and siting of industries shall be only in conforming areas and there shall be no necessity of obtaining the consent to operate for white category of industries and an intimation to concerned SPCB shall suffice and no Red category of industries shall normally be permitted in the ecologically fragile area/ protected area.

These orders shall come into force with immediate effect.

Dated Panchkula, the  
6<sup>th</sup> July, 2016

S.N. Roy, IAS  
Chairman

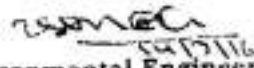
Endst. No. HSPCB/PLG-135/2016/ 548 542

Dated: 14/07/16

A copy of the above is forwarded to the following for information and necessary action:

1. The Chairman, Central Pollution Control Board, Parvesh Bhawan, 55B Arjun Nagar, Delhi in reference to his letter no. B-29012/ESS(CPA)/2016/16/8571 dated 07.03.2016. The list of industries identified in each category as per the revised categorization, operating in the State, shall be submitted separately.
2. The Director General, Industries & Commerce Department, Haryana.
3. All Branch Incharges in Head Office.
4. All Regional Officers in the field.
5. EE-IT. He is requested to make necessary amendments in the categorization of the industrial sectors in the OCMMS as per the revised and final categorization of industrial sectors as mentioned above.
6. PS to Chairman/ PA to Member Secretary for information of the officers.
7. Nodal Officer (IT) for uploading the orders on the website of the Board.

DA/As above.

  
Sr. Environmental Engineer-I HQ  
For Chairman



**Annexure-I****Final List of Red Category of Industrial Sectors**

Sr. No.	Industry Sector
1.	Isolated storage of hazardous chemicals [as per schedule of manufacturing, storage of hazardous chemicals rules, 1989 as amended]
2.	Automobile Manufacturing (integrated facilities)
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
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.	Pire 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
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)
31.	Hotels having overall waste-water generation @ 100 KLD and more.
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 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.
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-wheat straw/rice husk)
60.	Distillery ( molasses / grain / yeast based)
61.	Induction Furnace clubbed with AOD Furnace
62.	Synthetic detergents and soaps having waste water generation more than 100 KLD (excluding formulation)
63.	Automobile servicing, repairing and painting having waste water generation more than 100 KLD (excluding only fuel dispensing)
64.	Building and construction project more than 20,000 sq. m built up area having waste water generation more than 100 KLD
65.	Ceramics and Refractories having coal consumption more than 12 MT per day
66.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having discharge > 100 KLD
67.	Lead metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
68.	Industry or processes involving foundry operations having capacity of 5 MT/hr. and more.
69.	Manufacturing of lead glass
70.	Non-alcoholic beverages (soft drink) & bottling of alcohol/non alcoholic products having waste-water generation > 100 KLD.
71.	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste-water generation more than 100 KLD.
72.	Parboiled Rice Mills having waste-water generation > 100 KLD or fuel consumption > 12 MTD or both.
73.	Common treatment and disposal facilities (CETP, TSDP, E-waste recycling, CBMWTF, effluent conveyance project, incinerator, solvent/acid recovery plant, MSW sanitary land fill site
74.	Sewage treatment plants having capacity 100 KLD or more

75.	Industrial estates/ parks / complexes/ areas/ export processing zones/ SEZs/ Biotech parks/ leather complex
76.	Units engaged in the activities of handling and management of Hazardous Waste as defined in Hazardous and other Wastes (M & TM) Rules, 2016, other than those covered under any of the category of industrial sectors, such as use, treatment, processing, recovery, pre-processing, co-processing, utilization etc. of the hazardous and other wastes
77.	Recycling of used lead acid batteries

**Annexure-II****Final List of Orange Category of Industrial Sectors**

<b>Sr. No.</b>	<b>Industry Sector</b>
1.	Dismantling of rolling stocks ( wagons/ coaches)
2.	Bakery and confectionery units with production capacity > 1 TPD. ( With ovens / furnaces)
3.	Chanachur and ladoo from puffed and beaten rice( mari 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, pelletisating, 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-making
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 magnesium fluoride etc.
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, 2008 - Items namely - Paint and ink Sludge/residues
41.	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.	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 etc., and other agricultural waste using synthetic adhesive resin, wooden box making ( With boiler)
52.	New highway construction project
53.	Non-alcoholic beverages(soft drinks) & 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 ( IMPL) 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 furnace / submerged arc furnace / basic oxygen furnace / hot rolling reheated furnace
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 purpose)
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, 2008 - Items namely - Used Oil - As per specifications prescribed from time to time.
82.	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.	Producer gas plant using conventional up drift coal gasification ( linked to rolling mills glass and ceramic industry refectories for dedicated fuel supply)
84.	Health care establishments (As defined in BMW Rules) having waste water generation less than 100 KLD without incinerator
85.	Airport and commercial air strips having discharge less than 100 KLD
86.	Railway locomotive workshop/Integrated road transport workshop/Authorized service centers (having waste-water generation < 100 KLD)
87.	Manufacturing of pasted veneers using coal/wood scrap boiler or thermic fluid heater and by sun drying
88.	Cardboards and Millboards
89.	Strawboards

90.	Formulation of pesticides/ insecticides
91.	Recycling / Pyrolysis plants of waste pneumatic tyres/ tyre scrap
92.	Screening plants
93.	Surgical cotton industries
94.	Inorganic Chemical Compounds such as Chlorides/Sulphates/Sulphites/Niterates/Oxides/Flourides/ Stearates of metals/Cations
95.	Sodium and other silicates manufacturing
96.	Cotton coated fabrics including printing and lamination (Rexene)
97.	Friction dust
98.	Brake lining/ Disc brake pad
99.	Chlorinated paraffin wax/plasticizers
100.	Sewage treatment plants having capacity 10 KLD or more but less than 100 KLD
101.	Infrastructure development projects having overall liquid Waste generation 100 KLD or more
102.	Dismantling of E-Waste



**Final List of Green Category of Industrial Sectors**

Sr. 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 <1tpd (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 melamine 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 bamboo 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 (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)
64.	Modular wooden furniture from particle board, MDF < swan timber etc. Ceiling tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (Without boiler)
65.	LPG bottling plants
66.	Sewage treatment plants having capacity less than 10 KLD
67.	Infrastructure development projects having overall liquid Waste

	generation less than 100 KLD
68.	Industrial inorganic gases namely- a) Chemical gas- Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen-sulphide, phosphine b) Hydrocarbon gases- Methane, ethane, propane
69.	Automobiles manufacturing outsourcing all of the polluting activities.
70.	Refurbishing of used electrical and electronic equipments

Annexure-IVFinal List of White Category of Industrial Sectors

Sr. 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 making)
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 Sydel5 les and vilas 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 over items from bamboo 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)
37.	Automobile fuel outlets (only dispensing)
38.	Diesel generator sets having total capacity 1 MVA or less and equipped with acoustic enclosures alongwith adequate stack height
39.	Almirah, Grill Manufacturing without painting operation (Dry Mechanical Process)



## HARYANA STATE POLLUTION CONTROL BOARD

C-11 Sector-6, Panchkula

Ph - 0172- 577870-73, Fax No. 2581201

E-mail- hspcbho@gmail.com

Website: hspcb.gov.in



### Office Order

Whereas based upon the directions issued by CPCB vide its letter no. B-29012/ESS (CPA)/2015-16/8526 dated 07.03.2016 to all the State Pollution Control Boards u/s 18(1)(b) of Water Act, 1974 and Air Act, 1981 to adopt the revised criteria of categorization of industrial sectors as per final report on revised classification of industrial sectors under Red, Orange, Green and White categories, a consolidated list of industrial sectors and projects under different categories, was issued vide Head Office order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 for the purpose of consent management under Water Act, 1974 and Air Act, 1981;

Whereas the suggestions submitted by the officers of the Board, recommendation of TAC and representation received from Faridabad Industries Association, on the categorization of the industrial sectors, were examined on 20.04.2017 by the committee constituted by the Board vide Head Office order Endst. No. HSPCB/TAC/2016/6862-6865 dated 03.05.2016 for categorization of the new or left over industrial sectors, for consent management which are not covered in any of the four categories specified in CPCB directions dated 07.03.2016 and submitted its recommendation for more clarity in some of the existing categories and for inclusion of some of new or left over industrial sectors/projects under consent management, based on composite score of pollution index, worked out by the committee as per the revised criteria and guidelines, as detailed in the report of CPCB;

Whereas the recommendation of the committee has been considered and accepted.

Therefore, on the recommendations of the above said committee, the order issued vide Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 regarding the categorization of the industrial sectors/projects for the purpose of consent management under Water Act, 1974 and Air Act, 1981 are hereby clarified and amended as under:-

1. DG set of capacity of 5 MVA are covered under Red category at Sr. No. 5.
2. Under the "Milk processes and dairy products (integrated project)" covered under Red category at Sr. No. 16, the words "large and medium scale units," are added.
3. Under the "Airport and commercial air strips projects" covered under Red category at Sr. No. 23, the words and figures "having discharge of 100 KLD or more" are added.
4. Under the "Health-Care Establishments/projects" covered under Red category at Sr. No. 30, the words and figures "having discharge of 100 KLD or more without incinerator" are added.
5. "Health care Establishments i.e hospitals/clinics without indoor facilities and having only OPD consultancy" are covered under White Category.
6. Under the "Hotel projects having overall waste-water generation @ 100 KLD and more" covered under Red Category at Sr. No. 31, the words and figures "Hotels having 3 star and above or having 100 rooms or above," are added.

7. Under the "Railway locomotive work shop/Integrated road transport workshop/Authorized service centers projects" covered under Red category at Sr. No. 39, the words and figures "having discharge of 100 KLD or more" are added.
8. The nomenclature "Basis drugs manufacturing units", is added under the heading "pharmaceuticals" under Red category in Sr. No. 58.
9. Under the "Automobile servicing, repairing and painting projects" covered under Orange Category at Sr. No. 18, the words and figures "having quantity of waste water generation up to 100 KLD," are added.
10. Under the "Building and construction projects having more than 20,000 sq. m built up area" covered under Orange Category at Sr. No. 21, the words and figures "having quantity of waste water generation 10 KLD to 100 KLD, are added.
11. Under the "Ceramics and Refractories projects" covered under Orange Category at Sr. No. 22, the words and figures "having coal consumption upto 12 MT per day," are added.
12. Under the "Fermentation industry including manufacture of yeast, beer, distillation of alcohol" covered under Orange Category at Sr. No. 27, the words and figures "having quantity of waste water discharge of 100 KLD or less," are added.
13. Under the "Hotels (< 3 star) or hotels having > 20 rooms and less than 100 rooms" covered under Orange Category at Sr. No. 38, the words and figures "having quantity of waste water discharge less than 100 KLD," are added.
14. Under the "Industry or processes involving foundry operations" covered under Orange Category at Sr. No. 42, the words and figures "having capacity of foundry operations less than 5 MT per hr.," are added.
15. Under the "Non-alcoholic beverages (soft drink) projects & bottling of alcohol/non alcoholic products" covered under Orange Category at Sr. No. 53, the words and figures "having quantity of waste water generation up to 100 KLD," are added.
16. "Ply wood manufacturing (including Veneer and laminate) with oil fired boiler/thermic fluid heater (without resin plant)" covered under Orange Category at Sr. No. 56, is substituted with the project "Ply wood manufacturing (including Veneer and laminate) using the fuel such as wood or coal or any other authorized fuel with or without resin plant".
17. Printing presses without involving water polluting process are covered under White Category.
18. Under the "Vegetable oil manufacturing units including solvent extraction and refinery /hydrogenated oils" covered under Orange category at Sr. No. 71, the words and figures, "having quantity of waste water generation up to 100 KLD," are added.
19. Under the "Parboiled Rice Mills" covered under Orange Category at Sr. No. 79, the words and figures, "having quantity of waste water generation up to 100 KLD or fuel consumption up to 12 MTD or both," are added.
20. "Flour mills generating trade effluent" are covered under Orange Category.
21. Poultry, Hatchery and Piggery projects are covered under consent management irrespective of no. of birds/animals, under orange category.

18/101/337

22. Ready mix cement concrete plants are covered under consent management irrespective of investment cost, under orange category in supersession of order issued by the Board vide order Endst. No. HSPCB/2014/1804-1822 dated 11.06.2014.
23. Chilling plant and ice making units without using ammonia, listed at Sr. No. 49 of green category projects, are deleted as this type of projects are covered at Sr. No. 13 of green category.
24. Distilled water units using boiler or furnace as source of heat are covered under Orange category.
25. Construction and Demolition (C&D) Waste processing and recycling units are covered under Orange category.
26. Garment/ Apparel manufacturing units having only garment washing, with or without boiler except bleaching, dyeing, printing, colouring are covered under Orange category.
27. Garment / Apparel units involving only stitching process, without discharge of effluent and Air emissions from process, are covered under White Category.

Dated Panchkula, the  
8<sup>th</sup> May, 2017

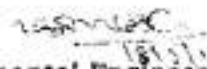
Dr. K. K. Khandelwal, IAS  
Chairman

Endst. No. HSPCB/PLG-171/ 2017/ 18/101/337

Dated: 18/101/337

A copy of above is forwarded to the following for information and necessary action:-

1. The Chairman, Central Pollution Control Board, Parivesh Bhawan, East Anand Nagar, Delhi in reference to his letter no. B-29012/ESS(CPA)/2015-16/8571 dated 07.03.2016 in continuation of this office order Endst. No. HSPCB/PLG 135/2016/546-572 dated 14.07.2016.
2. The Director General, Industrial & Commerce Department, Haryana.
3. All Branch Incharges in the Head Office.
4. All Regional Offices in the field.
5. EE-IT. He is requested to make necessary amendments in the categorization of the industrial sectors in the OCMMS as per the amendments mentioned above.
6. PA to Chairman
7. PA to Member Secretary
8. Nodal officer (IT) for uploading the orders on the website of the Board.

  
Sr. Environmental Engineer-1 (HQ)  
For Chairman





## HARYANA STATE POLLUTION CONTROL BOARD

E-mail- hspcbsec@total.gov

### CORRIGENDUM

Whereas based upon the directions issued by CPCB, vide its letter no. 18/102/ESS/CPA/2015-16-852, dated 07.03.2015, to all the State Pollution Control Boards u/s 18(1)(b) of Water Act, 1974 and Air Act, 1986 to adopt the revised criteria of categorization of industrial sectors as per annexure 'A' to the said directions, a consolidated list of industrial sectors and projects under different categories, was issued vide Head Office order Endst. No. HSPCB/PLG-135/2016/546-572 dated 19.07.2016 for the purpose of consent management under Water Act, 1974 and Air Act, 1986.

Whereas clarification and amendments were issued for the categorization of some of the industrial sectors/projects for the purpose of consent management under Water Act, 1974 and Air Act, 1986 vide order Endst. No. HSPCB/PLG-171/2017-138, dated 19.05.2017, in which the poultry Hatchery and Piggery projects as well as Ready mix cement concrete plants has been mentioned covered under orange category instead of green category whereas these projects has been covered under green category as per CPCB directions issued to this Board vide letter no. 18/102/338.

Therefore, keeping in view above, it is hereby clarified that the above industrial sectors/projects are covered under green category as per annexure 'A' to CPCB's letter dated 07.03.2015 instead of orange as mentioned in the orders circulated by order Endst. No. HSPCB/PLG-171/2017-138, dated 19.05.2017.

- i) Poultry Hatchery and Piggery projects irrespective of number of birds/animals
- ii) Ready mix cement concrete plants irrespective of investment cost of the projects

Dated Panchkula, the  
8<sup>th</sup> May, 2017

Dr. K. K. Khandelwal, IAS  
Chairman

Endst. No. HSPCB/PLG-171/2017/4945-4947

Dated: 08/05/17

A copy of above is forwarded to the following for their attention and required action:

1. The Chairman, Central Pollution Control Board, Bhatinda House, Connaught Place, New Delhi in reference to his letter no. 18/102/338/5A/2015/10/01 dated 07.03.2015 in confirmation of this office order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.06.2016 & HSPCB/PLG-171/2017-138 dated 19.05.2017.
2. The Director General, Industrial & Environmental Department, Panchkula.
3. All Branch In-charges, Panchkula Office.
4. All Regional Offices, Panchkula.
5. Ek IT. He is requested to issue necessary amendments in the categorization of the industrial sectors in the OCMMIS as per the annexure 'A' mentioned above.
6. PA to Chairman.
7. PA to Member Secretary.
8. Nodal officer (IT) for uploading the orders on the website of the Board.

Sr. Environmental Engineer-I (HQ)  
For Chairman



HARYANA STATE POLLUTION CONTROL BOARD

18/103/339

Amerwari - VII

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Office Order

Whereas based upon the directions issued by CPCB vide its letter no. H-29012/BSS(CPA)/2013-16/8526 dated 07.03.2016 to all the State Pollution Control Boards (S/4 18/103) of Water Act, 1974 and Air Act, 1981, to adopt the revised criteria of categorization of industrial sectors as per final report on revised classification of industrial sectors under Red, Orange, Green and White categories, a consolidated list of industrial sectors and projects under different categories, was issued vide Head Office order Enclat. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 for the purpose of consent management under Water Act, 1974 and Air Act, 1981.

Whereas, vide order Enclat. No. HSPCB/PLG-171/2017-1293-4320 dated 08.06.2017 it was clarified that the Poultry, Hatchery and Piggeries projects, respective of no. of birds/animals, are covered under green category of projects for the purpose of consent management under Water Act, 1974 and Air Act, 1981 as per CPCB directions issued in this reference vide letter dated 07.03.2016.

Whereas, the CPCB vide letter no. H-29012/BPC-VI/2017-18/8012 dated 19.07.2017 has clarified that the poultry farms having less than one lakh birds, need not to obtain consent from State Pollution Control Board under Water Act, 1974 and Air Act, 1981 as per CPCB guidelines circulated vide letter no. B-4031/PCI-SSI/poultry/2015 dated 20.10.2015 and for poultry farms which are handling one lakh or more birds at a given time in single location, will approach State Pollution Control Board to obtain necessary consent but the environmental guidelines issued by CPCB for poultry farms including minimization of odour pollution, management of solid waste, management of waste water discharge, good housekeeping practices shall be applicable to all poultry farms irrespective of no. of birds.

Therefore, in consideration of the above clarification received from CPCB, it is hereby ordered to amend the order issued vide Enclat. No. HSPCB/PLG-135/2016-546-572 dated 14.07.2016 and subsequent modification issued vide Enclat. No. HSPCB/PLG-171/2017-1293-4320 dated 08.06.2017 to the effect that the only poultry farms handling one lakh or more birds at a given time in single location, are covered under green category of industrial sectors/projects and shall require to obtain the necessary consent to establish and consent to operate from this Board under section 25-26 of the Water Act, 1974 and section 2 of the Air Act, 1981. The poultry farms handling less than one lakh birds are covered under White Category of industrial sectors/projects and shall not require to obtain the consent to establish and consent to operate from this Board but the environmental guidelines issued by Haryana Government/CPCB for poultry farms including minimization of odour pollution, management of solid waste, management of waste water discharge, good housekeeping practices, shall be applicable to all poultry farms irrespective of no. of birds.

This order shall come into force with immediate effect.

Dated Panchkula, the  
7th September, 2017

Dhendra Khendolwa, IAS  
Chairman

Enclat. No. HSPCB/PLG-135/2017/546-572

Dated: 13/10/17

A copy of above is forwarded to the following for information and necessary action:-

1. The Member Secretary, Central Pollution Control Board, Park Road, Bhawan, East Arun Nagar, Delhi, in reference to his letter no. B-29012/PC-VI/2017-18/8012 dated 19.07.2017.
2. The Director General, Industrial & Commerce Department, Haryana.
3. All Branch Incharges in the Head Office.
4. All Regional Officers in the field.
5. Environmental Engineers (I) and (II) of the HSPCB, Haryana, Environment Promotion Centre (Haryana) No. 03/64/05/19, Sector 2, Chandigarh.
6. E.E.-IT. He is requested to make necessary amendments in the categorization of the industrial sectors in the GC.MSR as per the attachments mentioned above.
7. PS to Chairman.
8. PA to Member Secretary.
9. Nodal officer (IT) for uploading the orders on the website of the Board.

Sr. Environmental Engineer (HQ)  
For Chairman

19/1/340

**Agenda item No. 178. 19**

**Budget Estimate of Haryana  
State Pollution Control Board  
for the Financial Year 2018-2019.**

As required under section 38 of the Water (Prevention and Control of Pollution) Act, 1974, the Board shall during the financial year, prepare its Budget in respect of the ensuing financial year, showing the estimated receipt and expenditure for forwarding the same to the State Govt.

The State Pollution Control Boards all over the country are striving to organize measures to achieve the objective of pollution free environment. The Haryana State Pollution Control Board is charged with the responsibility of prevention and control of Pollution of Water, Air, Noise, Hazardous Waste, Bio-Medical Waste etc. in the State. Therefore, attempt has been made to present the Budget to achieve the overall objectives as enshrined in the Water, Air, Noise Act, Hazardous Waste Management Act and Bio-Medical Waste Act.

Accordingly, the Budget Estimate for the year 2018-2019 has been prepared which comes to Rs.12762.00 lacs against the Budget provision of Rs.11825.00 lacs for the year 2017-2018. The detail of Receipt & Expenditure are placed below:-

Submitted for approval and consideration of the Board please.

**Subject:- Budget Estimate of Haryana State Pollution Control Board for the Financial Year 2018-2019.**

As required under section 38 of the Water (Prevention and Control of Pollution) Act, 1974, Board shall prepare its Budget in respect of the ensuing financial year, showing the estimated receipt and expenditure and shall submit the same to the State Govt.

The State Pollution Control Boards all over the country are striving to organize measures to achieve the objective of pollution free environment. The Haryana State Pollution Control Board is also charged with the responsibility of prevention and control of Pollution of Water, Air, Noise, Hazardous Waste, Bio-Medical Waste, Solid Waste, Plastic Carry Bags, E-waste, Battery Rules etc. in the State. Therefore, attempt has been made to present the Budget to achieve the overall objectives as enshrined in the Water, Air, Noise Act, Hazardous Waste Management Act and Bio-Medical Waste Act.

**RECEIPT HEAD :-**

Estimated Receipts during the year 2018-2019 will be Rs.6305 lacs against the estimated Receipts of Rs.7940 lac of the previous year 2017-18. The Receipts on account of Consent Fee (Water & Air) is estimated to be Rs.3200.00 lacs against the provision of Rs.4010.00 lacs during the year 2017-18. Similarly, the receipt on account of Appeal/Authorization/Public Hearing/NOC Fee is anticipated at Rs.430.00 lac against the provision of Rs. 880.00 lac during the year 2017-18 and Cess fee is estimated (to be reimbursement by Govt. of India) at Rs.100.00 lac for the financial year 2018-19 against the provision of Rs.625.00 lac during the year 2017-2018.

The decrease is expected in consent fees due to reason that consent fees has already been collected in advance. Further the decrease in reimbursement of Cess fee will occur because with the introduction of GST, the Water (Prevention and Control of Pollution) Cess Act, 1977 (Act) has repealed through the Taxation Laws (Amendment) Act 2017 w.e.f from 01.07.2017. The reimbursement of 100.00 lac is expected from Govt. of India out of the arrears of Cess Fee that has been collected or may be collected.

The details of estimated receipts is given in Annexure -'A'.

**EXPENDITURE HEAD:**

A provision of Rs. 12762.00. lacs has been made under the expenditure head for the year 2018-19 against the Provision of expenditure of Rs.11825.00 lacs for the year 2017-18. The main constituents of expenditure are as follows:-

1. **Under Head Salaries:** - An amount of Rs.3009.70 lac has been provided during this year as against provision of Rs.2173.00 lacs during the year 2017-18. The increase in expenditure is due to creation of 71 additional posts and also because of the implementation of the report of 7<sup>th</sup> Pay Commission.
2. Provision for Rs. 2000.00 lac is being made to provides for:
  - I. Constructs of residential complex for Boards employees at Panchkula.
  - II. Construction of office building for Sonipat Region at Sonipat.
  - III. Purchase of Plots for construction of regional offices at Gurgaon, Bahadurgarh, Dharuhera, Panchkula, Jind at Bhiwani.
  - IV. Purchase of Plot for construction of Laboratory at Panipat.

The detail of estimated expenditure is given in **Annexure-B**

**Budget Estimate of Haryana State  
Pollution Control Board for the  
Financial Year 2018-19**

<u>SUMMARY</u>	Provision for the year 2017-18 (Rs. In Lacs)	Proposed for the year 2018-19 (Rs. In Lacs)
<b><u>ESTIMATE OF RECEIPTS :</u></b>		
1 Board Receipts.	7140 00	6180 00
2 Cess Receipts (from G.O.I.)	625 00	100 00
3 Grant-in Aid from CPCB	25 00	25 00
4 Grant-in-Aid from Central Govt.	150 00	0 00
5 Shortage in Receipts	3885 00	6457 00
	<u>11825.00</u>	<u>12762.00</u>
<b><u>ESTIMATE OF EXPENDITURE :</u></b>		
1 Salaries	2173 00	3009 70
2 Office Maintenance	220 68	959 10
3 Loans & Advances	84 00	109 00
4 Strengthening of existing Lab ,air quality monitoring & other capital Expenditure	9347 32	8684 20
<b>Total</b>	<u>11825.00</u>	<u>12762.00</u>

## ANNEXURE - 'A'

19/5/344

FORM 'F'  
(See Rule 24(3))  
Head of Account (Receipts)

Sr. Head of Account No.	Actual Receipts 2016-17	Budget estimate for the Year 2017-18 (Plan & Non-Plan)	Actual Receipts 2017-2018 4/2017 to 9/2017	Proposed estimate for the Year 2018-19	
1	2	3	4	5	
		4. (Rs.in Lacs)		6	
<b>RECEIPTS</b>					
1	Samples Testing Fee	82.25	250.00	45.80	150.00
2	Consent Fee (Water)	2378.18	2000.00	988.31	1800.00
3	Consent Fee (Air)	2280.75	2010.00	739.02	1400.00
4	NOC Fees	344.01	300.00	84.11	200.00
5	Public Hearing	0.00	30.00	17.91	30.00
6	Authorisation fee/Recognition fee/Apeal fee/Right to Information fee/Misc. receipt	256.61	550.00	37.18	200.00
7	Cess Receipts (from G.O.I.)	120.62	625.00	0.00	100.00
8	Interest on deposits	2296.67	2000.00	864.59	2400.00
9	Grant-in-Aid from Central Pollution Control Board Solid waste/NAMP	0.00	25.00	0.00	25.00
10	Grant-in-Aid (Eco Club) From Govt. of India/State Govt.	100.00	150.00	0.00	0.00
<b>TOTAL</b>		<b>7859.09</b>	<b>7940.00</b>	<b>2776.92</b>	<b>6305.00</b>

## ANNEXURE - 'B'

FORM 'F'  
{See Rule 24(3)(i)}  
Budget and Account Heads  
Administration  
Head of Account(Expenditure)

Sr.No.	Head of Account	Actual Expenditure 2016-17	Provision For the year 2017-18 (Plan & Non-Plan)	Actual Expenditure 2017-18 i.e. (6 months) 4/2017 to 9/2017	Proposed for the year 2018-19
(Rs.in Lacs)					
<b>EXPENDITURE</b>					
(A)	<b>SALARIES</b>				
1	<u>Pay and Allowances</u>	1423.25		809.79	
	(i) Technical/Scientific Staff		1034.00		1412.60
	(ii) Ministerial Staff		1004.00	15.88	1462.10
2	<u>Medical Expenses</u>	36.87			
	(i) Technical/Scientific Staff		40.00		40.00
	(ii) Ministerial Staff		45.00		45.00
3	<u>Travelling Allowance</u>	10.02		5.62	
	(i) Technical/Scientific Staff		30.00		30.00
	(ii) Ministerial Staff		20.00		20.00
	Sub Total =	<b>1470.14</b>	<b>2173.00</b>	<b>831.29</b>	<b>3009.70</b>
(B)	<b>OFFICE MAINTENANCE</b>				
1	Office Expenses	220.00	310.00	161.73	161.73
2	Legal Expenses	43.71	65.00	14.81	73.00
3	Furniture and fixture	2.82	25.00	0.58	50.00
4	Machinery and Equipments	11.85	60.00	2.76	40.00
5	Computerisation of Office	78.91	50.00	21.49	20.00
6	Purchase of Vehicles	0.00	55.00	0.00	140.00
7	Income Tax	1003.17	1200.00	450.00	1200.00
(C)	Strengthening of existing laboratory and setting up of additional laboratory/Library Books	58.32	2708.00	14.39	4540.10



		15/7/346			
(D)	Water & Air Quality Monitoring/Lab Equip Material/Lab Exp.	0.04	400.00	0.16	269.00
(E)	Development /Extension Activities (advertisement publicity on environment awareness, research & development, Seminar training)	70.62	320.00	29.57	352.10
(F)	Financial Assistance for Environmental Improvement Projects.	0.00	3100.00	0.00	0.00
(G)	Construction/Purchase of Office Building and Residential Complex.	11.55	900.00	0.00	2000.00
(H)	Eco Clubs/Env. Awarness I. Govt. of India/State govt. II. HSPCB	95.38 11.71	150.00 25.00	0.00 32.05	0.00 0.00
	Sub Total =	<u>1608.76</u>	<u>9568.00</u>	<u>727.54</u>	<u>9643.30</u>
(I)	<b><u>LOANS AND ADVANCES</u></b>				
	Loans and Advances to Staff	11.33	84.00	3.26	109.00
	Sub Total =	<u>11.33</u>	<u>84.00</u>	<u>3.26</u>	<u>109.00</u>
	Grand Total =	<u>3090.23</u>	<u>11825.00</u>	<u>1562.09</u>	<u>12762.00</u>

**FORM 'F'**  
[See Rule 24(3)(ii)]  
**Budget and Account Heads**  
**Administration**

**Head of Account(Expenditure)**

Sr. No.	Head of Account	Actual Expenditure 2016-17	Budget Provision For the year 2017-18	Actual Expenditure 2017-18 i.e. (6 months) 4/2017 to 09/2017	Proposed Budget for the year 2018-19
1	2	3	4	5	6
1					
(a)	<b>Pay and Allowances</b>	1423.25		809.79	
(i)	Technical/Scientific Staff		1034.00		1412.60
(ii)	Ministerial Staff		1004.00		1462.10
(b)	<b>Medical Expenses</b>	36.87		15.88	
(i)	Technical/Scientific Staff		40.00		40.00
(ii)	Ministerial Staff		45.00		45.00
(c)	<b>Travelling Allowance</b>	10.02		5.62	
(i)	Technical/Scientific Staff		30.00		30.00
(ii)	Ministerial Staff		20.00		20.00
	Sub Total =	<b>1470.14</b>	<b>2173.00</b>	<b>831.29</b>	<b>3009.70</b>
2	<b>Office Expenses</b>				
i)	Rent, Rates & Taxes	23.57	60.00	10.52	25.00
ii)	Water & Electricity	56.56	72.00	26.89	180.00
iii)	Postage & Telegram	6.58	12.00	3.58	12.00
iv)	Telephone Charges	8.15	20.00	4.04	15.00
v)	Printing & Stationery	9.72	25.00	7.22	25.00
vi)	Liveries	0.00	1.00	0.00	1.00
vii)	News Paper & Magazines/ Library Books	6.40	15.00	0.31	12.00
viii)	Insurance	2.14	10.00	2.22	10.00
ix)	Hospitality Expenses	4.51	15.00	2.98	10.00
x)	Professional Charges	11.34	20.00	3.90	20.00
xi)	POL for Vehicles	39.49	75.00	23.83	75.00
xii)	R & M of Vehicles	10.55	40.00	6.81	40.00
xiii)	Repair & Maintenance of office Building	12.40	80.00	2.22	160.00
xiv)	Operation & Maintenance of CAAQMS	21.16	0.00	0.00	33.10
xv)	Repair & Maint. of others	2.68	15.00	2.89	15.00
xvi)	Horticulture	0.00	5.00	0.00	5.00
xvii)	Misc. office expenses	23.92	45.00	10.05	45.00
xviii)	Computer Expenses	0.00	0.00	0.00	32.00
xix)	Geographical information system(GIS Cell)	21.60	0.00	23.71	21.00
xx)	NIC Payment (Software Development)	0.00	0.00	0.00	8.00

xxi)	Engagement of project Management Unit for process improvement & strategic road map for HSPCB	0.00	0.00	0.00	200.00
xxii)	Legal Expenses	43.71	65.00	14.81	73.00
xxiii)	Furniture and Fixture	2.82	25.00	0.58	50.00
xxiv)	Machinery & Equipments	11.85	60.00	2.76	40.00
xxv)	Income Tax	1003.17	1200.00	450.00	1200.00
xxvi)	Computerisation of Office	78.91	50.00	21.49	20.00
xxvii)	Purchase of Vehicles	0.00	55.00	0.00	140.00
<b>3</b>	<b>Strengthening of existing laboratory and setting up of additional laboratory</b>	<b>37.16</b>	<b>2708.00</b>	<b>14.39</b>	<b>4540.10</b>
<b>4</b>	<b>Water &amp; Air Quality Monitoring (Online AAQ Station)</b>	<b>0.00</b>	<b>400.00</b>	<b>0.00</b>	<b>269.00</b>
<b>5</b>	<b>Development / Extension Activities</b>				
(a)	Advertisement & Publicity	43.34	90.00	54.40	300.00
(b)	Gap Analysis of Bio Medical Waste Management in Harayana.	0.00	0.00	0.00	15.00
(c)	Seminars/Workshops/Training	2.71	30.00	0.03	30.00
(d)	Research & Development Project, Reports and Studies	5.68	200.00	5.86	22.10
<b>6</b>	<b>Financial Assistance for Environmental Improvement Projects</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
(i)	Installation of Sewage Treatment Plants and Common Effluent Treatment Plant	0.00	3100.00	0.00	0.00
	<b>Sub Total =</b>	<b>1490.12</b>	<b>8493.00</b>	<b>695.49</b>	<b>7643.30</b>
<b>7</b>	<b>Construction/Purchase of Office Building and Residential Complex.</b>	<b>11.55</b>	<b>900.00</b>	<b>0.00</b>	<b>2000.00</b>
<b>8</b>	<b>Eco Clubs/Env. Awareness</b>				
	I Govt. of India/State Govt.	95.38	150.00	0.00	0.00
	II HSPCB	11.71	25.00	32.05	0.00
	<b>Sub Total</b>	<b>118.64</b>	<b>1075.00</b>	<b>32.05</b>	<b>2000.00</b>
<b>9</b>	<b><u>LOANS AND ADVANCES</u></b> (Loans to Staff)				
a)	House Building Advance	3.44	25.00	0.00	50.00
b)	Car/Scooter/Moped/Cycle/Computer Advance.	4.63	25.00	0.00	25.00
c)	Marriage Advance	1.25	25.00	0.98	25.00
d)	Wheat Advance	1.65	5.00	1.92	5.00
e)	Festival Advance.	0.36	4.00	0.36	4.00
	<b>Sub Total =</b>	<b>11.33</b>	<b>84.00</b>	<b>3.26</b>	<b>109.00</b>
	<b>Grand Total</b>	<b>3090.23</b>	<b>11825.00</b>	<b>1562.09</b>	<b>12762.00</b>

Explanatory notes of various heads are enclosed.

### Explanatory Note

#### **Scheme for strengthening of existing Laboratories and setting up of additional Laborites.**

The Board is having proposal for strengthening of existing Laboratories at Panchkula, Hisar, Faridabad and Gurgaon and setting up additional Laboratories at Panipat. This Scheme includes installation of Real Time Continuous Ambient Air Quality Monitoring Station at Panipat, Rewari (Dharuhera), Sonapat, Bahadurgarh, Karnal, Kaithal, Yamuna Nagar, Gurgaon at Manesar at Faridabad (Sector-55 and 56), Ambala, Bhiwani, Fatehabad, Hisar, Jind, Kurukshetra, Mehandergarh, Mewat, Palwal and Sirsa. Budget provisions for procurement 19 nos. of CAAQMS station at above mentioned locations need Budget of Rs. 30,00,00,000 (Rupees Thirty Crore only.) for the year 2018-19 (**Annexure-'A'**).

HSPCB proposes to purchase equipments/instruments for existing Laboratories at Panchkula, Hisar, Faridabad and Gurgaon during the year 2018-19 and budget provision of Rs. 1540.10 lacs. Approx. May be made accordingly. Detail of equipment instrument enclosed (**Annexure-'A'**).

#### **Scheme of setting up of Water and Air Quality Monitoring Stations.**

The existing instruments are proposed to be replaced with instruments with revised standards at an estimated cost of Rs. 2.69 crores as per detail at (**Annexure-'A'**).

Therefore, provision for Rs. 2.69 Crore approx. may be provided for the financial year 2018-19 for Ambient Air Quality Monitoring, Stack Monitoring and Noise level instruments in the field.

## ANNEXURE-A

**ABSTRACT OF COST CONNECTED WITH PURCHASE OF EQUIPMENTS  
REQUIRED FOR STRENGTHENING OF EXISTING LABORATORY AND  
SETTING UP OF ADDITIONAL FACILITIES.**

Sr. No.	Description	Amount (Rs)	Remarks
1.	Purchase of CAAQMS	300000000	Appendix-I
	<b>Sub-Total</b>	<b>300000000</b>	

1.	Equipment/Instruments for new laboratory	42190000	Appendix-II
2.	Equipment/Instruments for Panchkula Laboratory(HQ)	44340000	Appendix-III
3.	Equipment/Instruments for Hisar Laboratory	34520000	Appendix-IV
4.	Equipment/Instruments for Faridabad Laboratory	15830000	Appendix-V
5.	Equipment/Instruments for Gurugram Laboratory	17130000	Appendix-VI
	<b>Sub-Total</b>	<b>154010000</b>	

1.	Requirement of Instruments for Head Office & Regional Offices (for Ambient Air, stacks and noise sampling)	26850000	Appendix-VII
	<b>Sub-Total</b>	<b>26850000</b>	

**Sub: Budget estimate for the financial year 2018-19 of HSPCB.**

Sr. Accounts officer vide letter dated 17.01.2018 has sought the scheme/proposal/action plan and amount to be incurred on the schemes for the budget estimates of the financial year 2018-19.

Member Secretary of the Board has held a meeting on 18.01.2018 in the matter.

The HSPCB is under the process of procurement of 19 Continuous Ambient Air Quality Monitoring Station (CAAQMS) at Panipat, Sonapat, Rewari (Dharuhera), Bahadurgarh, Kaithal, Karnal, Yamuna Nagar, Gurugram (Manesar), Faridabad (Sec- 55 & 56), Ambala, Bhiwani, Fatehabad, Hisar, Jind, Kurukshetra, Mahendergarh, Mewat, Palwal and Sirsa.

The details of the proposal of 19 CAAQMS to be procured and installed is as under:-

Description	Approximate Estimated cost including O&M of five years (Rupees in Crore)	Number	Approximate cost (Rupees in Crore)	Justification
CAAQMS	1.6	19	30	Approved by Board in its 173rd, 174th and 176th meetings

APPENDIX-II**HARYANA STATE POLLUTION CONTROL BOARD**

C-II, SECTOR-6, PANCHKULA

Ph. 2577870-73

E-mail:hspcb.pkl@sify.com

No. HSPCB/LAB(HQ)/2018/

Dated:

To

Sr. Account Officer  
HSPCB, Panchkula.**Sub:- Budget Estimate for the financial year 2018-19 of Haryana State Pollution Control Board.**

The budget estimate for the financial year 2018-19 for establish the Laboratory in Panipat is Rs. 4,21,90,000/- approx. (Rupees Four Crore Twenty One Lac Ninety Thousand only) as desired by you vide letter No HSPCB/Acctts/6956 dt 17.01.2018. The detail of the Scheme/proposal is as under:-

Sr. No.	Name of instrument required to be procured	Total Cost of instrument	No. of Equipment Required	Total Cost
1.	GCMS (Gas Chromatograph Mass Spectrophotometer)	1,00,00,000	1	1,00,00,000
2.	Moisture Content Meter	1,00,000	1	1,00,000
3.	Ion Analyzer with Fluoride, Nitrate, Nitrite, Cyanide & Ammonia Electrode	5,00,000	1	5,00,000
4.	Flame Photometer	5,00,000	1	5,00,000
5.	Mercury Analyzer	1,00,00,000	1	1,00,00,000
6.	TOC Analyzer	2,00,000	1	2,00,000
7.	UV/ Visual Spectrophotometer	5,00,000	1	5,00,000
8.	Water Purification System	5,00,000	1	5,00,000
9.	Turbidity Meter	1,00,000	1	1,00,000
10.	Analytical Balance	2,00,000	1	2,00,000
11.	BOD Incubator	1,00,000	1	1,00,000
12.	Hot Air Oven	80,000	1	80,000
13.	Water Bath	15,000	1	15,000
14.	TKN Analyzer	5,00,000	1	5,00,000

15.	Muffle Furnace	80,000	1	80,000
16.	Auto Clave	2,00,000	1	2,00,000
17.	DO meter	50,000	1	50,000
18.	Fluoride distillation assembly	20,000	1	20,000
19.	Cyanide distillation assembly	20,000	1	20,000
20.	Soxlet extraction assembly	20,000	1	20,000
21.	Arsenic estimation assembly	20,000	1	20,000
22.	Phenol distillation assembly	20,000	1	20,000
23.	Colony counter	30,000	1	30,000
24.	Microscope	1,00,000	1	1,00,000
25.	Aquarium for bioassay test	50,000	1	50,000
26.	Shaking incubator	50,000	1	50,000
27.	Flocculator	50,000	1	50,000
28.	Toxic Gas Analyzer	2,50,000	1	2,50,000
29.	Magnetic Stirrer with Hot plate	15,000	1	15,000
30.	Microwave Digester	13,00,000	1	13,00,000
31.	COD Digester	50,000	1	50,000
32.	Chemical, Glassware(Purchasing)	10,00,000	-	10,00,000
33.	Repairing, Calibration, AMC of instruments	5,00,000	-	5,00,000
34.	NABL (Accreditation, assessment), Proficiency Testing participation fee	2,00,000	-	2,00,000
35.	Induced Couple Plasma (ICP)/ Mass Spectrometer	50,00,000	1	50,00,000
36.	Laminar Flow cabinet	2,00,000	1	2,00,000
37.	Filtration Assembly	20,000	2	40,000
38.	Refrigerator	30,000	2	60,000
39.	Deep Freezer	75,000	2	1,50,000
40.	Bacteriological Incubator	50,000	1	50,000



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41.	Conductivity Meter	30,000	2	60,000
42.	Organic Halogen Analyzer (AOX/TOX)	5,00,000	1	5,00,000
43.	ION Chromatograph	50,00,000	1	50,00,000
44.	Portable Analyzer Kit (DO, pH, temp., conductivity)	50,000	1	50,000
45.	Stereo Microscope	25,000	1	25,000
46.	Binocular Microscope	25,000	1	25,000
47.	X-ray fluorescence Spectrometer (XRF)	20,00,000	1	20,00,000
48.	Air Conditioner	40,000	4	1,60,000
49.	UPS System	5,00,000	1	5,00,000
50.	Fume hood	2,00,000	2	4,00,000
51.	Electricity Generator	2,00,000	1	2,00,000
52.	pH meter	50,000	2	1,00,000
53.	Furniture (Testing table, chair etc.)	3,50,000	-	3,50,000
<b>Grand Total</b>				<b>4,21,90,000</b>

-sd-  
**(Rajesh Garhia)**  
**Scientist-C**  
**Lab Incharge (HQ)**  
**Laboratory, Panchkula**

APPENDIX - III**HARYANA STATE POLLUTION CONTROL BOARD**

C-11, SECTOR-6, PANCHKULA

Ph. 2577870-73

E-mail: hspcb.pkl@sify.com

No. HSPCB/LAB(HQ)/2018/

Dated:

To

Sr. Account Officer  
HSPCB, Panchkula**Sub:- Budget Estimate for the financial year 2018-19 of Haryana State Pollution Control Board.**

The budget estimate for the financial year 2018-19 for HQ Laboratory, Panchkula is Rs. 4,43,40,000/- approx. (Rupees Four Crore Forty Three Lac Forty Thousand only) as desired by you vide letter No HSPCB/Accts/6956 dt 17.01.2018. The detail of the Scheme/proposal is as under:-

Sr. No.	Name of instrument required to be procured	Total Cost of instrument	No. of Equipment Required	Total Cost
1	GCMS (Gas Chromatograph Mass Spectrophotometer)	1 00 00 000	1	1 00 00 000
2	Moisture Content Meter	1 00 000	1	1 00 000
3	Ion Analyzer with Fluoride, Nitrate, Nitrite, Cyanide & Ammonia Electrode	5 00 000	1	5 00 000
4	Flame Photometer	5 00 000	1	5 00 000
5	Mercury Analyzer	1 00 00 000	1	1 00 00 000
6	TOC Analyzer	2 00 000	1	2 00 000
7	UV/ Visual Spectrophotometer	5 00 000	1	5 00 000
8	Water Purification System	5 00 000	1	5 00 000
9	Turbidity Meter	1 00 000	1	1 00 000
10	Analytical Balance	2 00 000	1	2 00 000
11	BOD Incubator	1 00 000	1	1 00 000
12	Hot Air Oven	80 000	1	80 000
13	Water Bath	15 000	1	15 000
14	TKN Analyzer	5 00 000	1	5 00 000

15	Muffle Furnace	80,000	1	80,000
16	Auto Clave	2,00,000	1	2,00,000
17	DO meter	50,000	1	50,000
18	Fluoride distillation assembly	20,000	1	20,000
19	Cyanide distillation assembly	20,000	1	20,000
20	Soxhlet extraction assembly	20,000	1	20,000
21	Arsenic estimation assembly	20,000	1	20,000
22	Phenol distillation assembly	20,000	1	20,000
23	Colony counter	30,000	1	30,000
24	Microscope	1,00,000	1	1,00,000
25	Aquarium for bioassay test	50,000	1	50,000
26	Shaking incubator	50,000	1	50,000
27	Flocculator	50,000	1	50,000
28	Toxic Gas Analyzer	2,50,000	1	2,50,000
29	Magnetic Stirrer with Hot plate	15,000	1	15,000
30	Microwave Digester	13,00,000	1	13,00,000
31	COD Digester	50,000	1	50,000
31	Chemical, Glassware, Thimble, Membrane Filter & Glass micro Fibre Sheet (Purchasing)	30,00,000	-	30,00,000
32	Repairing, Calibration, AMC of instruments	10,00,000	-	10,00,000
33	NABL (Accreditation, assessment), Proficiency Testing participation fee	2,00,000	-	2,00,000
34	Induced Couple Plasma (ICP)/ Mass Spectrometer	50,00,000	1	50,00,000
35	Laminar Flow cabinet	2,00,000	1	2,00,000
36	Filtration Assembly	20,000	2	40,000
37	Refrigerator	30,000	2	60,000
38	Deep Freezer	75,000	2	1,50,000
39	Bacteriological Incubator	50,000	1	50,000

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40.	Conductivity Meter	30,000	2	60,000
41.	Organic Halogen Analyzer (AOX/TOX)	5,00,000	1	5,00,000
42.	ION Chromatograph	50,00,000	1	50,00,000
43.	Portable Analyzer Kit (DO, pH, temp., conductivity)	50,000	1	50,000
44.	Stereo Microscope	25,000	1	25,000
45.	Binocular Microscope	25,000	1	25,000
46.	X-ray fluorescence (XRF) Spectrometer	20,00,000	1	20,00,000
47.	Air Conditioner	40,000	4	1,60,000
48.	UPS System	5,00,000	1	5,00,000
49.	Fume hood	2,00,000	2	4,00,000
50.	Electricity Generator	2,00,000	1	2,00,000
51.	pH meter	50,000	2	1,00,000
<b>Grand Total</b>				<b>4,43,40,000</b>

-sd-  
**(Rajesh Garhia)**  
**Scientist-C**  
**Lab Incharge (HQ)**  
**Laboratory, Panchkula**

19/19/358

APPENDIX- IV**HARYANA STATE POLLUTION CONTROL BOARD**

C-11, SECTOR-6, PANCHKULA

Ph. 2577870-73

E-mail:hspcb.pkl@sify.com

No. HSPCB/LAB(HQ)/2018/

Dated:

To

Sr. Account Officer  
HSPCB, Panchkula.**Sub:- Budget Estimate for the financial year 2018-19 of Haryana State Pollution Control Board.**

The budget estimate for the financial year 2018-19 for Hisar Laboratory is Rs. 3,45,20,000/- approx. (Rupees Three Crore Forty Five Lac Twenty Thousand only) as desired by you vide letter No HSPCB/Accts/6956 dt 17.01.2018. The detail of the Scheme/proposal is as under -

Sr. No	Name of instrument required to be procured	Total Cost of instrument	No. of Equipment Required	Total Cost
1	GCMS (Gas Chromatograph Mass Spectrophotometer)	1,00,00,000	1	1,00,00,000
2	Moisture Content Meter	1,00,000	1	1,00,000
3	Specific Ion meter	5,00,000	1	5,00,000
4	Flame Photometer	5,00,000	1	5,00,000
5	Mercury Analyzer	1,00,00,000	1	1,00,00,000
6	TOC Analyzer	2,00,000	1	2,00,000
7	UV/ Visual Spectrophotometer	5,00,000	1	5,00,000
8	Water Purification System	5,00,000	1	5,00,000
9	Turbidity Meter	1,00,000	1	1,00,000
10	Analytical Balance	2,00,000	1	2,00,000
11	BOD Incubator	1,00,000	1	1,00,000
12	Hot Air Oven	80,000	1	80,000
13	Water Bath	15,000	1	15,000
14	TKN Analyzer	5,00,000	1	5,00,000
15	Muffle Furnace	80,000	1	80,000

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16	Auto Clave	2,00,000	1	2,00,000
17	DO meter	50,000	1	50,000
18	Fluoride distillation assembly	20,000	1	20,000
19	Cyanide distillation assembly	20,000	1	20,000
20	Soxlet extraction assembly	20,000	1	20,000
21	Arsenic estimation assembly	20,000	1	20,000
22	Phenol distillation assembly	20,000	1	20,000
23	Colony counter	30,000	1	30,000
24	Microscope	1,00,000	1	1,00,000
25	Aquarium for bioassay test	50,000	1	50,000
26	Shaking incubator	50,000	1	50,000
27	Flocculator	50,000	1	50,000
28	Toxic Gas Analyzer	2,50,000	1	2,50,000
29	Magnetic Stirrer	15,000	1	15,000
30	Microwave Digester	13,00,000	1	13,00,000
31	COD Digester	50,000	1	50,000
31	Ion Analyzer with Fluoride, Nitrate, Nitrite, Cyanide & Ammonia Electrode	5,00,000	1	5,00,000
32	Chemical & Glassware (Purchasing)	20,00,000	-	20,00,000
33	Repairing, Calibration, AMC of instruments	10,00,000	-	10,00,000
34	NABL (Accreditation, assessment), Proficiency Testing participation fee	2,00,000/-	-	2,00,000
35	Induced Couple Plasma (ICP)/ Mass Spectrometer	50,00,000	1	50,00,000
36	Laminar Flow cabinet	2,00,000	1	2,00,000
<b>Grand Total</b>				<b>3,45,20,000</b>

-sd-  
 Lab Incharge  
 Laboratory, Hisar

## Appendix-V



**HARYANA STATE POLLUTION CONTROL BOARD**  
**Sector-16A, Opp. HEWO Apartment, Faridabad**

Ph. 2261568

E-mail:hspcbllf@gmail.com

No. HSPCB/LAB/FR/2018/ 1635

Dated: 18/11/18

To.

Sr. Account Officer  
 HSPCB, Panchkula.

**Sub:- Budget Estimate for the financial year 2018-19 of Haryana State Pollution Control Board.**

The budget estimate for the financial year 2018-19 for Regional Laboratory Faridabad is Rs. 1,58,30,000/- approx. (Rupees One Crore Fifty Eight Lac Thirty Thousand) as desired by you vide letter No HSPCB/Accts/6955 dt 17.01.2018. The details of the Scheme/proposal is as under:-

Sr. No	Name of instrument required to be procured	Total Cost of instrument	No. of Equipment Required	Total Approx. Cost
1	GCMS (Gas Chromatograph Mass Spectrophotometer)	60,00,000	1	60,00,000
2	Moisture Content Meter	1,00,000	1	1,00,000
3	Flame Photometer	1,00,000	1	1,00,000
4	AAS	15,00,000	1	15,00,000
5	TOC Analyzer	20,00,000	1	20,00,000
6	UV/ Visual Spectrophotometer	5,00,000	1	5,00,000
7	Water Purification System	1,00,000	1	1,00,000
8	Turbidity Meter	50,000	1	50,000
9	Analytical Balance	2,00,000	1	2,00,000
10	BOD Incubator	1,00,000	1	1,00,000
11	Hot Air Oven	80,000	1	80,000
12	Water Bath	15,000	1	15,000
13	TKN Analyzer	5,00,000	1	5,00,000
14	Muffle Furnace	80,000	1	80,000

19/22/361

	Auto Clave	2,00,000	1	2,00,000
16.	DO meter	50,000	1	50,000
17.	Fluoride distillation assembly	50,000	1	50,000
18.	Cyanide distillation assembly	50,000	1	50,000
19.	Soxlet extraction assembly	20,000	1	20,000
20.	Arsenic estimation assembly	20,000	1	20,000
21.	Phenol distillation assembly	20,000	1	20,000
22.	Colony counter	30,000	1	30,000
23.	Microscope	1,00,000	1	1,00,000
24.	Aquarium for bioassay test	50,000	1	50,000
25.	Shaking incubator	50,000	1	50,000
26.	Flocculator	50,000	1	50,000
27.	Toxic Gas Analyzer	2,50,000	1	2,50,000
28.	Magnetic Stirrer	15,000	1	15,000
29.	Microwave Digester	13,00,000	1	13,00,000
30.	COD Digester	50,000	1	50,000
31.	Ion Analyzer with Fluoride, Nitrate, Nitrite, Cyanide & Ammonia Electrode	5,00,000	1	5,00,000
32.	Chemical & Glassware (Purchasing)	10,00,000	-	10,00,000
33.	Repairing, Calibration,	5,00,000	-	5,00,000
34.	Laminar Flow cabinet	2,00,000	1	2,00,000
	<b>Grand Total</b>			<b>1,58,30,000</b>

Lab In-charge  
Regional Laboratory, Faridkot

8/12



## Appendix-VI

19/23/362



LABORATORY OF THE  
HARYANA STATE POLLUTION CONTROL BOARD  
VIKAS SADAN, 1st FLOOR, GURGAON

HSPCB/LABORATORY KGR/2017/1428

E-mail- hspcblig@gmail.com

Dated 18/11/18

To  
Sr. Account Officer  
HSPCB, Panchkula.

Sub:- Budget Estimate for the financial year 2018-19 of Haryana State Pollution Control Board.

The budget estimate for the financial year 2018-19 for Gurgaon Laboratory, Gurgaon is Rs. 1,71,30,000/- approx. (Rupees One Crore Seventy One Lac Thirty Thousand approx) as desired by you vide letter No HSPCB/Accts/6956 dt 17.01.2018. The detail of the Scheme/proposal is as under:-

Sr. No	Name of instrument required to be procured	Estimated cost of the instrument	No. of Equipment Required	Any other requirements with estimated in the budget for the year 2018-19
1	BOD Incubator	1,00,000	1	Enhancement amount from 1 lac to 2 lac.
2	COD Digester	50,000	1	
3	Specific Ion meter	5,00,000	1	
4	Flame Photometer	5,00,000	1	
5	UV Visual Spectrophotometer	5,00,000	1	
6	Water Purification System	5,00,000	1	
7	Turbidity Meter	1,00,000	1	
8	Analytical Balance	2,00,000	1	
9	GCMS (Gas Chromatograph Mass Spectrophotometer)	80,00,000	1	
10	H.C. Air Oven	60,000	1	
11	Water Bath	15,000	1	
12	TKN Analyzer	5,00,000	1	
13	Muffle Furnace	80,000	1	
14	Auto Clave	2,00,000	1	
15	DO meter	50,000	1	
16	Fluoride distillation assembly	20,000	1	
17	Cyanide distillation assembly	20,000	1	
18	Soxhlet extraction assembly	20,000	1	
19	Arsenic estimation assembly	20,000	1	
20	Phenol distillation assembly	20,000	1	
21	Shaking incubator	50,000	1	
22	Toxic Gas Analyzer	2,50,000	1	
23	Magnetic Stirrer	15,000	1	

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LABORATORY OF THE  
HARYANA STATE POLLUTION CONTROL BOARD  
VIKAS SADAN, 1st FLOOR, GURGAON

E-mail- hspcblige@gmail.com

HSPCB/LABORATORY IGR/2017

Date:

24	AAS	25 00 000	
25	Ion Analyzer with Fluoride Nitrate Nitrite, Cyanide & Ammonia-Electrode	5 00 000	1
26	Chemical & Glassware (Purchasing)	10 00,000	
27	Repairing, Calibration, AMC of instruments	10 00,000	
28	NABL (Accreditation assessment) Proficiency Testing participation fee	2 00 000	
29	pH meter	70 000	1
30	Conductivity meter	70 000	1
Grand Total		1 71,30 000	

*M. S. Sharma*  
Laboratory Incharge  
Gurgaon Laboratory

**Requirement of instruments for Head Office / Regional Offices**

The existing instruments are of old technology in the Regional Offices of HSPCB now there is revised standard in Air and the Board has to detect the pollutant in Air upto PM<sub>2.5</sub> level. Therefore, instruments for the Ambient Air, stack and noise sampling are required for all 12 Regional Offices and four no. laboratories. The detail of required instruments of latest technology is as under:-

Sr. No.	Name of the Instrument	Qty.	Estimated Cost (in Rs.)	Total (In Rs)
1.	PM <sub>2.5</sub> (APM 550 MFC)	32	2.0 Lac each	64,00,000/-
2.	PM <sub>10</sub> (APM 460 DXNL)	32	1.75 Lac each	56,00,000/-
3.	Stack Monitor Kit (VSS1 PLS)	32	2.25 Lac each	72,00,000/-
4.	Noise Level Meter (SLM109)	29	1.5 Lac each	43,50,000/-
5.	High Volume Sampler	20	65,000 each	13,00,000/-
Grand Total				2,48,50,000/-
Rate Variation				20,00,000/-
<b>Total</b>				<b>2,68,50,000/-</b>

Therefore, provision for Rs. 2.69 Crore approx. may be provided for the financial year 2018-19 for Ambient Air Quality Monitoring / Stack Monitoring and Noise level instruments in the field.

(Rajesh Garhia)  
Scientist-C  
Lab Incharge (HQ)  
Laboratory, Panchkula

Explanatory NoteDevelopment / Extension Activities**(a) Advertisement and Publicity**

The Board has incurred Rs. 43.34 lacs during the year 2016-17. Against the purposed expenditure of Rs. 90.00 lac, an expenditure of Rs.54.40 lac has been incurred during the first six months of the year 2017-18. For the Year 2018-19 Rs.300 lac is proposed to be incurred for the purpose of advertisement and publicity to create awareness among the general public on the subjects of abatement of pollution and betterment of environment.

The State Govt. has issued notification dated 1.4.2010 to impose complete ban on plastic carry bags and Govt. of India has issued Plastic Waste Management Rules, 2011. The provisions of these notifications are required to be given wide publicity through print and electronic media. Further the Board has framed a scheme for institution of awards for best performing blocks for non- burning of wheat stubble/paddy straw for the financial year 2018-19. This scheme needs to be given wide publicity through Radio Jingles, Doordarshan etc. Besides this, Board is contemplating to celebrate all the important days of the environment calendar like World Earth Day, World Environment Day, and World Ozone Day etc.

Therefore, the amount of funds required shall be more than the funds incurred during the previous years and the provision of an amount of Rs. 300 lac has been made in the budget for the year 2018-19.

**(b) Seminar, Workshop & Training**

The Board is deputing its officers to attend various seminars / workshops / trainings in India and abroad on the subjects of pollution control and environment. The Board incurred Rs. 2.71 lacs during the year 2016-17 and Rs.0.03 lacs during 2017-18.

The Board proposes to depute its officers to attend various seminars / training programs during the year 2018-19.

Therefore, provision of an amount of Rs. 30 lac has been made in the budget for the year 2018-19 for imparting training to the officers of the Board and other stake holders working in the field of pollution control & environment.

**(c) Research & Development**

The Board is monitoring the crop residue burning by HARSAC in respect of both i.e. wheat and peddy crops. Therefore, a provision of 22.10 lac has been made in the budget for the year 2018-19 for undertaking research & development activities that may help to control pollution.

**Construction/Purchase of Office Building & Residential Complex**

Board has approved the proposal of the construction of residential complex vide Agenda Item No. 130.7 for the employees of the Board in Sector-23, Panchkula. The HUDA has already allotted 1.5 acres of land for the construction of residential complex. The administrative approval has already been granted by the State Government for the construction of the complex. Similarly, Board is having plot at Sonipat for the construction of office building. The construction work of the office building at Sonipat and for residential complex at Panchkula will be taken up in the year 2018-19 and Plot for Gurgaon, Bahadurgarh, Dharuhera Panchkula, Jind at Bhiwani and for laboratory at Panipat is to be purchased. Therefore, a provision of Rs. 2000.00 lac has been made for the Year 2018-19.

## FORM-E (PART-1)

(SEE RULE 24(1))

## HARYANA STATE POLLUTION CONTROL BOARD

## Detailed Budget Estimate for the year 2018-19

## ADMINISTRATION

(Expenditure)

Head of Accounts	Actual for the past two years		Budget estimates		Actual of last six months		Actual of six months of current year i.e. 2017-2018 year 2017-18		Revised estimate for the current year 2017-18		Budget estimate for the next year 2018-19		Variation between Col. 4 & 8		Variation between Col. 8 & 9		Explanation for the col. No. 10 & 11 (Rs. In lacs)
	2015-16	2016-17	2016-17	2017-18	10/2015 to Mar-16	10/2016 to Mar-17	10/2016 to Mar-17	04/17 to 09/17	04/17 to 09/17	2017-18	2018-19	2018-19	2018-19	2018-19	2018-19		
1	2	3	4	5	6	7	8	9	10	11	12						
<b>(A) SALARIES</b>																	
<b>1. Pay &amp; Allowances</b>	1201.51	1423.51	1034.00	690.16	720.86	809.79	1034.00	1412.60	0.00	378.60							
(i) Technical Staff			1004.00				1004.00	1462.10		458.10							
(ii) Ministerial Staff	40.08	36.87	40.00	15.42	16.22	15.88	40.00	40.00	0.00	0.00							
<b>2. Medical Expenses</b>	9.37	10.02	45.00	4.55	5.28	5.62	45.00	45.00	0.00	0.00							
(i) Technical Staff			30.00				30.00	30.00	0.00	0.00							
(ii) Ministerial Staff			20.00				20.00	20.00	0.00	0.00							
<b>Sub Total =</b>	<b>1250.96</b>	<b>1470.4</b>	<b>2173.00</b>	<b>710.13</b>	<b>742.36</b>	<b>831.29</b>	<b>2173.00</b>	<b>3009.70</b>	<b>0.00</b>	<b>636.70</b>							
<b>(B) MAINTENANCE</b>																	
<b>1. Office Expenses</b>	306.29	220.68	510.00	146.02	120.57	161.73	510.00	959.10	0.00	449.10							
<b>2. Legal Expenses</b>	59.96	43.71	65.00	38.25	20.06	14.81	65.00	73.00	0.00	8.00							
<b>3. Furniture &amp; Fixture</b>	2.72	2.82	25.00	1.37	1.97	0.58	25.00	50.00	0.00	25.00							
<b>4. Office machinery &amp; Equipments</b>	8.94	11.85	60.00	6.30	2.35	2.76	60.00	40.00	0.00	-20.00							

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5. Compensation of Office.	16.22	78.91	50.00	6.87	38.46	21.49	50.00	20.00	0.00	20.00	0.00	-30.00
6. Purchase of Vehicles	10.96	0.00	55.00	10.51	0.00	0.00	55.00	140.00	0.00	140.00	0.00	85.00
<b>7. Industrial Pollution Control</b>												
Lab Equip./ Material / Expenses.	63.75	58.32	2708.00	43.03	18.82	14.39	2708.00	4540.10	0.00	4540.10	0.00	1832.10
8. Water Air Quality Monitoring	0.00	0.04	400.00	0.00	0.02	0.16	400.00	269.00	0.00	269.00	0.00	-131.00
9. Development Extension Activities	11.57	70.62	320.00	0.00	27.28	29.57	320.00	352.10	0.00	352.10	0.00	32.10
<b>Sub Total =</b>	<b>480.41</b>	<b>486.95</b>	<b>4193.00</b>	<b>252.35</b>	<b>229.56</b>	<b>245.49</b>	<b>4193.00</b>	<b>6443.30</b>	<b>0.00</b>	<b>6443.30</b>	<b>0.00</b>	<b>2250.30</b>
for Improvement Project in Rural Area	53.75	0.00	3100.00	53.75	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	-3100.00
Building/ Cost of Land	9.05	11.55	900.00	1.00	11.55	0.00	900.00	2000.00	0.00	2000.00	0.00	1100.00
<b>Awareness</b>												
India/State Govt.	100.00	95.38	150.00	100.00	95.38	0.00	150.00	0.00	0.00	0.00	0.00	-150.00
2. HSPCB	16.72	11.71	25.00	1.73	5.40	32.05	25.00	0.00	0.00	0.00	0.00	-25.00
<b>(CLOANS &amp; ADVANCES</b>												
1. Loans to Staff	12.76	11.33	84.00	3.21	6.24	3.26	84.00	109.00	0.00	109.00	0.00	25.00
<b>Sub Total =</b>	<b>192.28</b>	<b>129.97</b>	<b>4259.00</b>	<b>159.69</b>	<b>118.57</b>	<b>35.31</b>	<b>4259.00</b>	<b>2109.00</b>	<b>0.00</b>	<b>2109.00</b>	<b>0.00</b>	<b>-2150.00</b>
Income Tax	2000.62	1003.17	1200.00	2000.62	1003.17	450.00	1200.00	1200.00	0.00	1200.00	0.00	0.00
<b>Grand Total (A+B+C+D) =</b>	<b>3924.26</b>	<b>3090.23</b>	<b>11825.00</b>	<b>3122.79</b>	<b>2093.66</b>	<b>1562.09</b>	<b>11825.00</b>	<b>12762.00</b>	<b>0.00</b>	<b>12762.00</b>	<b>0.00</b>	<b>937.00</b>

1996 P. 00017  
 ARYANA STATE POLICE OFFICERS' BENEFIT PLAN  
 ESTABLISHMENT

Statement of details of jobs in the city of Toronto/Scientific staff for the year 2018-29

Job ID	GP	Increment falling due within the year									Total for the year		
		GA @13%	HRA @20%	Medical	Retiree	Total	Amount of provision for the Year	Date of increment	Amount of increment @ 2% of cost (2+1)	GA @13%		HRA @20%	
		4	5	6	7	8	9	10	11	12	13	14	15
<b>041000470000P</b>													
1	4752	4171	1151	621		11489	20715	01-07-18	7111	151	277	1447	29477
<b>0410040000P</b>													
4	5401	5823	5823	591		11832	111157	01-07-18	1185	174	242	2196	131546
5	5860	7145	7145	740		12221	117948	01-07-18	1174	182	249	2536	125933
6	6300	8471	8471	886		12615	116426	01-07-18	1161	198	258	2782	132128
7	6723	10019	10019	1051		13015	114925	01-07-18	1151	216	266	3071	139709
8	7121	11819	11819	1231		13420	113425	01-07-18	1141	234	274	3562	148729
9	7511	13819	13819	1431		13829	111925	01-07-18	1131	252	282	4422	158729
10	7881	16019	16019	1651		14240	110425	01-07-18	1121	270	291	5492	169729
11	8241	18419	18419	1891		14651	108925	01-07-18	1111	288	299	6712	181729
12	8581	21019	21019	2151		15061	107425	01-07-18	1101	306	307	8092	194729
13	8911	23819	23819	2431		15471	105925	01-07-18	1091	324	315	9642	208729
14	9231	26819	26819	2731		15881	104425	01-07-18	1081	342	323	11372	223729
15	9541	30019	30019	3051		16291	102925	01-07-18	1071	360	331	13392	240729
16	9841	33419	33419	3391		16701	101425	01-07-18	1061	378	340	15642	258729
17	10121	37019	37019	3751		17111	99925	01-07-18	1051	396	349	18142	277729
18	10381	40819	40819	4131		17521	98425	01-07-18	1041	414	358	20892	297729
19	10621	44819	44819	4531		17931	96925	01-07-18	1031	432	367	24942	318729
20	10851	49019	49019	4951		18341	95425	01-07-18	1021	450	376	30392	340729



DB 11401-2121-41112

11

PB-1800-3100-4100P

8140	9111	1000	1111	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000	6100	6200	6300
6400	6500	6600	6700	6800	6900	7000	7100	7200	7300	7400	7500	7600	7700	7800	7900	8000	8100	8200	8300	8400	8500	8600
8700	8800	8900	9000	9100	9200	9300	9400	9500	9600	9700	9800	9900	10000	10100	10200	10300	10400	10500	10600	10700	10800	10900

PB-1900-3100-4100P

1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300
3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600
5700	5800	5900	6000	6100	6200	6300	6400	6500	6600	6700	6800	6900	7000	7100	7200	7300	7400	7500	7600	7700	7800	7900
8000	8100	8200	8300	8400	8500	8600	8700	8800	8900	9000	9100	9200	9300	9400	9500	9600	9700	9800	9900	10000	10100	10200
10300	10400	10500	10600	10700	10800	10900	11000	11100	11200	11300	11400	11500	11600	11700	11800	11900	12000	12100	12200	12300	12400	12500

PB-2100-3100-4100P

1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800
5900	6000	6100	6200	6300	6400	6500	6600	6700	6800	6900	7000	7100	7200	7300	7400	7500	7600	7700	7800	7900	8000	8100
8200	8300	8400	8500	8600	8700	8800	8900	9000	9100	9200	9300	9400	9500	9600	9700	9800	9900	10000	10100	10200	10300	10400
10500	10600	10700	10800	10900	11000	11100	11200	11300	11400	11500	11600	11700	11800	11900	12000	12100	12200	12300	12400	12500	12600	12700

DB 11/11/91



98-2 9108-34200+9830P

1472	176	2590	112	711	4713	46279	1175738	91	21	1775	16247
1475	875	2379	272	401	6713	64919	1512758	113	111	1752	162847
1478	437	3626	508	706	4477	44491	1112711	11	11	1768	161748
1479	437	2073	475	702	4163	38671	912716	107	107	1719	161562
1480	439	1687	500	609	3843	12643	1132716	96	106	1742	160968

98-2 9108-34200+9830P

1472	437	2073	475	702	4163	38671	912716	107	107	1719	161562
1481	439	1687	500	609	3843	12643	1132716	96	106	1742	160968

98-1 9108-2000+9830P

1482	527	4627	626	706	4163	38671	912716	107	107	1719	161562
1483	527	2624	642	706	4200	47176	1112716	107	107	1760	162096
1485	527	1687	500	609	3843	12643	1132716	96	106	1742	160968

05 4445740+13000P

1487	1091	17159	2465	1062	1443	16276	1175738	107	107	1762	16333
1488	1091	16572	2432	1062	2044	20963	1112716	106	106	1768	163887
1489	1091	11139	2069	1062	3245	39275	1112716	107	107	1822	163379
1490	1091	1427	1932	1062	2579	30623	1112716	106	106	1776	162988
1491	1091	17901	2808	1062	4217	50711	1112716	106	106	1816	164068
1491	1091	7679	1748	1062	1633	16768	1112716	107	107	1812	162799

182738	431468	2027979	446871	44688	567628	96431679	0	67739	91314	13352	2183733	94615412
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Galaxy  
LTC  
Webbop LLC, 87%  
P-Band Contribute

16, 144, 15  
16, 470, 1  
16, 24, 10  
16, 15, 10

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11/34/73

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FORM 1042-B  
 HAWAIIAN GOVERNMENT EMPLOYERS' RETIREMENT PLAN (HEERPA)  
 DIVISION OF REVENUE AND TAX ADMINISTRATION

Statement of details of an annuity payment for pay of Member - Start for the year 2018-2019

Pay Band	Basic Pay	Grades Pay	DA	HRA	Medical	Name	Age	DA	Amount of provision	Date of increment	Amount of DA	Total	Total for the year
	as on	Next	@13%	25%					For the Year at the rate of 1% of col 3rd & 4th				
2	14,2018	4	5	6	7	8	9	10	11	12	13	14	15
4,13,60,000	44,940	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920
4,13,60,000	62,210	780	5,990	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920	1,19,920
4,13,60,000	80,880	4,440	4,440	4,440	4,440	4,440	4,440	4,440	4,440	4,440	4,440	4,440	4,440
4,13,60,000	96,000	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600
4,13,60,000	1,10,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000

10/30/75

DATE	TIME	TYPE	NO.	AMOUNT	BALANCE	DEBIT	CREDIT	BALANCE
10/28/75	10:00	DEPOSIT	100	100.00	100.00			100.00
10/29/75	11:00	DEPOSIT	200	200.00	300.00			300.00
10/30/75	12:00	DEPOSIT	300	300.00	600.00			600.00
10/31/75	13:00	DEPOSIT	400	400.00	1000.00			1000.00
11/01/75	14:00	DEPOSIT	500	500.00	1500.00			1500.00
11/02/75	15:00	DEPOSIT	600	600.00	2100.00			2100.00
11/03/75	16:00	DEPOSIT	700	700.00	2800.00			2800.00
11/04/75	17:00	DEPOSIT	800	800.00	3600.00			3600.00
11/05/75	18:00	DEPOSIT	900	900.00	4500.00			4500.00
11/06/75	19:00	DEPOSIT	1000	1000.00	5500.00			5500.00
11/07/75	20:00	DEPOSIT	1100	1100.00	6600.00			6600.00
11/08/75	21:00	DEPOSIT	1200	1200.00	7800.00			7800.00
11/09/75	22:00	DEPOSIT	1300	1300.00	9100.00			9100.00
11/10/75	23:00	DEPOSIT	1400	1400.00	10500.00			10500.00
11/11/75	24:00	DEPOSIT	1500	1500.00	12000.00			12000.00
11/12/75	25:00	DEPOSIT	1600	1600.00	13600.00			13600.00
11/13/75	26:00	DEPOSIT	1700	1700.00	15300.00			15300.00
11/14/75	27:00	DEPOSIT	1800	1800.00	17100.00			17100.00
11/15/75	28:00	DEPOSIT	1900	1900.00	19000.00			19000.00
11/16/75	29:00	DEPOSIT	2000	2000.00	21000.00			21000.00
11/17/75	30:00	DEPOSIT	2100	2100.00	23100.00			23100.00
11/18/75	31:00	DEPOSIT	2200	2200.00	25300.00			25300.00
11/19/75	32:00	DEPOSIT	2300	2300.00	27600.00			27600.00
11/20/75	33:00	DEPOSIT	2400	2400.00	30000.00			30000.00
11/21/75	34:00	DEPOSIT	2500	2500.00	32500.00			32500.00
11/22/75	35:00	DEPOSIT	2600	2600.00	35100.00			35100.00
11/23/75	36:00	DEPOSIT	2700	2700.00	37800.00			37800.00
11/24/75	37:00	DEPOSIT	2800	2800.00	40600.00			40600.00
11/25/75	38:00	DEPOSIT	2900	2900.00	43500.00			43500.00
11/26/75	39:00	DEPOSIT	3000	3000.00	46500.00			46500.00
11/27/75	40:00	DEPOSIT	3100	3100.00	49600.00			49600.00
11/28/75	41:00	DEPOSIT	3200	3200.00	52800.00			52800.00
11/29/75	42:00	DEPOSIT	3300	3300.00	56100.00			56100.00
11/30/75	43:00	DEPOSIT	3400	3400.00	59500.00			59500.00



12/30/77

NO	DATE	DESCRIPTION	AMOUNT	BALANCE
1	12/31	BANK	100.00	100.00
2	1/15	PAYROLL	250.00	350.00
3	2/10	SALES	300.00	650.00
4	3/5	EXPENSES	100.00	550.00
5	3/20	REVENUE	400.00	950.00
6	4/10	EXPENSES	200.00	750.00
7	4/25	SALES	300.00	1050.00
8	5/10	EXPENSES	150.00	900.00
9	5/25	REVENUE	500.00	1400.00
10	6/10	EXPENSES	300.00	1100.00
11	6/25	SALES	400.00	1500.00
12	7/10	EXPENSES	250.00	1250.00
13	7/25	REVENUE	600.00	1850.00
14	8/10	EXPENSES	400.00	1450.00
15	8/25	SALES	500.00	1950.00
16	9/10	EXPENSES	350.00	1600.00
17	9/25	REVENUE	700.00	2300.00
18	10/10	EXPENSES	500.00	1800.00
19	10/25	SALES	600.00	2400.00
20	11/10	EXPENSES	450.00	1950.00
21	11/25	REVENUE	800.00	2750.00
22	12/10	EXPENSES	600.00	2150.00
23	12/31	BALANCE		2150.00
		TOTAL		2150.00



Code	Year	Month	Day	Hour	Location	Value	Unit	Category	Notes
1000000	2010	01	01	10	...	...	...	...	...
1000000	2010	01	01	11	...	...	...	...	...
1000000	2010	01	01	12	...	...	...	...	...
1000000	2010	01	01	13	...	...	...	...	...
1000000	2010	01	01	14	...	...	...	...	...
1000000	2010	01	01	15	...	...	...	...	...
1000000	2010	01	01	16	...	...	...	...	...
1000000	2010	01	01	17	...	...	...	...	...
1000000	2010	01	01	18	...	...	...	...	...
1000000	2010	01	01	19	...	...	...	...	...
1000000	2010	01	01	20	...	...	...	...	...
1000000	2010	01	01	21	...	...	...	...	...
1000000	2010	01	01	22	...	...	...	...	...
1000000	2010	01	01	23	...	...	...	...	...
1000000	2010	01	01	24	...	...	...	...	...
1000000	2010	01	01	25	...	...	...	...	...
1000000	2010	01	01	26	...	...	...	...	...
1000000	2010	01	01	27	...	...	...	...	...
1000000	2010	01	01	28	...	...	...	...	...
1000000	2010	01	01	29	...	...	...	...	...
1000000	2010	01	01	30	...	...	...	...	...
1000000	2010	01	01	31	...	...	...	...	...
1000000	2010	01	01	32	...	...	...	...	...
1000000	2010	01	01	33	...	...	...	...	...
1000000	2010	01	01	34	...	...	...	...	...
1000000	2010	01	01	35	...	...	...	...	...
1000000	2010	01	01	36	...	...	...	...	...
1000000	2010	01	01	37	...	...	...	...	...
1000000	2010	01	01	38	...	...	...	...	...
1000000	2010	01	01	39	...	...	...	...	...
1000000	2010	01	01	40	...	...	...	...	...
1000000	2010	01	01	41	...	...	...	...	...
1000000	2010	01	01	42	...	...	...	...	...
1000000	2010	01	01	43	...	...	...	...	...
1000000	2010	01	01	44	...	...	...	...	...
1000000	2010	01	01	45	...	...	...	...	...
1000000	2010	01	01	46	...	...	...	...	...
1000000	2010	01	01	47	...	...	...	...	...
1000000	2010	01	01	48	...	...	...	...	...
1000000	2010	01	01	49	...	...	...	...	...
1000000	2010	01	01	50	...	...	...	...	...
1000000	2010	01	01	51	...	...	...	...	...
1000000	2010	01	01	52	...	...	...	...	...
1000000	2010	01	01	53	...	...	...	...	...
1000000	2010	01	01	54	...	...	...	...	...
1000000	2010	01	01	55	...	...	...	...	...
1000000	2010	01	01	56	...	...	...	...	...
1000000	2010	01	01	57	...	...	...	...	...
1000000	2010	01	01	58	...	...	...	...	...
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1000000	2010	01	01	63	...	...	...	...	...
1000000	2010	01	01	64	...	...	...	...	...
1000000	2010	01	01	65	...	...	...	...	...
1000000	2010	01	01	66	...	...	...	...	...
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1000000	2010	01	01	99	...	...	...	...	...
1000000	2010	01	01	100	...	...	...	...	...

Case No.	Year	Month	Day	Time	Location	Officer	Notes
100-10000	1965	10	15	10:30	100-10000	Officer	...
100-10000	1965	10	16	11:00	100-10000	Officer	...
100-10000	1965	10	17	11:30	100-10000	Officer	...
100-10000	1965	10	18	12:00	100-10000	Officer	...
100-10000	1965	10	19	12:30	100-10000	Officer	...
100-10000	1965	10	20	13:00	100-10000	Officer	...
100-10000	1965	10	21	13:30	100-10000	Officer	...
100-10000	1965	10	22	14:00	100-10000	Officer	...
100-10000	1965	10	23	14:30	100-10000	Officer	...
100-10000	1965	10	24	15:00	100-10000	Officer	...
100-10000	1965	10	25	15:30	100-10000	Officer	...
100-10000	1965	10	26	16:00	100-10000	Officer	...
100-10000	1965	10	27	16:30	100-10000	Officer	...
100-10000	1965	10	28	17:00	100-10000	Officer	...
100-10000	1965	10	29	17:30	100-10000	Officer	...
100-10000	1965	10	30	18:00	100-10000	Officer	...
100-10000	1965	10	31	18:30	100-10000	Officer	...
100-10000	1965	11	1	19:00	100-10000	Officer	...
100-10000	1965	11	2	19:30	100-10000	Officer	...
100-10000	1965	11	3	20:00	100-10000	Officer	...
100-10000	1965	11	4	20:30	100-10000	Officer	...
100-10000	1965	11	5	21:00	100-10000	Officer	...
100-10000	1965	11	6	21:30	100-10000	Officer	...
100-10000	1965	11	7	22:00	100-10000	Officer	...
100-10000	1965	11	8	22:30	100-10000	Officer	...
100-10000	1965	11	9	23:00	100-10000	Officer	...
100-10000	1965	11	10	23:30	100-10000	Officer	...
100-10000	1965	11	11	24:00	100-10000	Officer	...
100-10000	1965	11	12	24:30	100-10000	Officer	...
100-10000	1965	11	13	25:00	100-10000	Officer	...
100-10000	1965	11	14	25:30	100-10000	Officer	...
100-10000	1965	11	15	26:00	100-10000	Officer	...
100-10000	1965	11	16	26:30	100-10000	Officer	...
100-10000	1965	11	17	27:00	100-10000	Officer	...
100-10000	1965	11	18	27:30	100-10000	Officer	...
100-10000	1965	11	19	28:00	100-10000	Officer	...
100-10000	1965	11	20	28:30	100-10000	Officer	...
100-10000	1965	11	21	29:00	100-10000	Officer	...
100-10000	1965	11	22	29:30	100-10000	Officer	...
100-10000	1965	11	23	30:00	100-10000	Officer	...
100-10000	1965	11	24	30:30	100-10000	Officer	...
100-10000	1965	11	25	31:00	100-10000	Officer	...

100-10000





Code	Description	Unit	Quantity	Rate	Amount
100	...	...	...	...	...
200	...	...	...	...	...
300	...	...	...	...	...
400	...	...	...	...	...
500	...	...	...	...	...
600	...	...	...	...	...
700	...	...	...	...	...
800	...	...	...	...	...
900	...	...	...	...	...
1000	...	...	...	...	...

GRAND TOTAL

Rs 1582.50

Code	Description	Unit	Quantity	Rate	Amount
100	...	...	...	...	...
200	...	...	...	...	...
300	...	...	...	...	...
400	...	...	...	...	...
500	...	...	...	...	...
600	...	...	...	...	...
700	...	...	...	...	...
800	...	...	...	...	...
900	...	...	...	...	...
1000	...	...	...	...	...

Agenda item No. : 170.46

Ex-Post Facto sanction for Rs. Rs. 3, 43, 970/- on account of analysis of samples to M/s PBIT in the matter of O.A. No. 6 of 2012 titled as Manoj Mishra Vs Union of India.

As per requirements of HSPCB in the matter of OA No. 6 of 2012 titled as Manoj Mishra Vs Union of India, a meeting was held on 11.8.2017 under the Chairmanship of Dr. K.K. Khandalwal IAS, ACS, Environment to discuss the modalities for finalization of action plan for river Yamuna as per NGT order. It was decided in the meeting that the parameters of water samples which could not be tested in lab of HSPCB could be got analysed from lab of CPCB/PSPCB or other empanelled laboratory.

HSPCB had requested MS, CPCB, New Delhi and MS, PSPCB, Patiala and CEO Punjab Biotechnology Incubator (PBTI), Mohali for analysis of samples as per format of CPCB (**Annexure-A**). The MS, CPCB had conveyed that they were occupied with heavy workload and hence they cannot take up the task of analysis of water samples of drains (**Annexure-B**). The MS, PSPCB had quoted their rates for analysis of effluent samples for the parameter mentioned in the CPCB format but they were not able to perform analysis of all the parameters (**Annexure-C**).

The PBTI (State Government Laboratory) has also sent their quotation (**Annexure-D**) and it has been found that they can analyse all the required parameters. Some parameters cannot be analyzed in HSPCB Laboratory and hence the same were got analyzed from laboratory of PBTI. A total of 26 samples were got analysed from PBTI at a cost of Rs. 3, 43, 970/-. The sanction order has been issued for making payment to PBTI.

Board may approve the making of payment to PBTI, Mohali, ex-post factum.



Amn... - A  
20/2/304

**HARYANA STATE POLLUTION CONTROL BOARD**  
C-11, SECTOR-6, PANCHKULA  
Website - [www.hspcb.gov.in](http://www.hspcb.gov.in) E-Mail : [hspcbho@gmail.com](mailto:hspcbho@gmail.com)  
Ph : 0172-2577870-873

No. HSPCB/EE- 1170

URGENT

Dated: 11.08.17

To

CEO,  
Punjab Biotechnology Incubator,  
Mohali (Punjab) *pbti2015@gmail.com*

**Sub: Analysis of effluent sample from 10 number drains of Haryana**

Kindly refer to the subject noted above.

In compliance of the directions of the Hon'ble NGT in the matter of O.A No.200 of 2014 MC Mehta Vs. UOI. The action plan for cleaning Yamuna has to be submitted. The HSPCB has to carry out analysis of water in the drains meeting with river Yamuna as per format sent by CPCB. The HSPCB does not have facility to analyze all the parameters

In view of above I have been directed to request you to analyze 30 samples for 10 drains (30 samples). The parameters to be analysed have been enclosed herewith.

It is requested that the rates for each parameter or per sample may kindly be informed immediately so that samples could be sent to your lab as soon as possible.

Env. Engineer (HQ)  
For Member Secretary



20/3/385

**HARYANA STATE POLLUTION CONTROL BOARD**  
C-11, SECTOR-6, PANCHKULA  
Website - [www.hspcb.gov.in](http://www.hspcb.gov.in) E-Mail : [hspcbho@gmail.com](mailto:hspcbho@gmail.com)  
Ph : 0172-2577870-873

No. HSPCB/EE- /1705

**URGENT**

Dated: 13.08.17

To

Member Secretary,  
Punjab Pollution Control Board,  
Vatavaran Bhavan, Nabha Road,  
Patiala

**Sub: Analysis of effluent sample from 10 number drains of Haryana**

Kindly refer to this office letter dated 1703 Dated 11.8.17 subject noted above.p

In compliance of the directions of the Hon'ble NGT in the matter of No.200 of 2014 MC Mehta Vs. UOI. The action plan for cleaning Yamuna has to be submitted. The HSPCB has to carry out analysis of water in the drains meeting with river Yamuna as per format sent by the CPCB. The HSPCB does not have facility to analyze all the parameters

In view of above, I have been directed to request you to analyze samples for 10 drains (30 samples). The parameters to be analyzed have been enclosed herewith.

It is requested that the rates per sample may kindly be informed immediately so that samples could be sent to your lab as soon as possible.

Env. Engineer (H(2))  
For Member Secretary





25/4/386

**HARYANA STATE POLLUTION CONTROL BOARD**  
C-11, SECTOR-6, PANCHKULA  
Website - [www.hspcb.gov.in](http://www.hspcb.gov.in) E-Mail : [hspcbho@gmail.com](mailto:hspcbho@gmail.com)  
Ph : 0172-2577870-873

No. HSPCB/EE/1714

URGENT

Dated: 16.08.17

To

Member Secretary,  
Central Pollution Control Board,  
Parivash Bhavan, East Arjun Nagar,  
New Delhi

**Sub: Analysis of effluent sample from 10 number drains of Haryana.**

Kindly refer to subject noted above.

In compliance of the directions of the Hon'ble NGT in the matter of OA No 200 of 2014 MC Mehta Vs. UOI. The action plan for cleaning river Yamuna has to be submitted. The HSPCB has to carry out analysis of the water in the drains meeting with river Yamuna as per format sent by the CPCB. The HSPCB does not have facility to analyze all the parameters

In view of above, I have been directed to request you to analyze the samples for 10 drains (30 samples). The parameters to be analysed have been enclosed herewith.

It is requested that the rates per sample may kindly be informed immediately so that samples could be sent to your lab as soon as possible

Env. Engineer (HQ)  
For Member Secretary

20/5/367

## DRAIN MONITORING FORMAT

(General parameters)

Sl. No.	Parameters	Results
1.	Colour	
2.	pH	
3.	BOD (mg/l)	
4.	COD (mg/l)	
5.	TSS (mg/l)	
6.	TDS (mg/l)	
7.	Cl (mg/l)	
8.	NH <sub>3</sub> -N (mg/l)	
9.	NO <sub>3</sub> (mg/l)	
10.	TC (MPN/ 100 ml) #	
11.	FC (MPN/ 100 ml) #	

\*For fresh water carrying drains/ rivers

#For sewage, mixed Drains & River

## DRAIN MONITORING FORMAT

(Trace Metal/ Heavy Metal)

Sl. No.	Parameters	Results
1.	Arsenic (As) mg/l	
2.	Cadmium (Cd) mg/l	
3.	Total Chromium (Cr) mg/l	
4.	Copper (Cu) mg/l	
5.	Iron (Fe) mg/l	
6.	Lead (Pb) mg/l	
7.	Manganese (Mn) mg/l	
8.	Nickel (Ni) mg/l	
9.	Mercury (Hg) mg/l	
10.	Zinc (Zn) mg/l	
11.	Antimony (Sb) mg/l	
12.	Cobalt (Co) mg/l	
13.	Selenium (Se) mg/l	
14.	Vanadium (V) mg/l	

**DRAIN MONITORING FORMAT (General parameters)**

Sl. No.	Parameters	Rates
1.	Colour	

**DRAIN MONITORING FORMAT**

(Trace Metal/ Heavy Metal)

Sl. No.	Parameters	Rates
1.	Arsenic (As) mg/l	
2.	Mercury (Hg) mg/l	
3.	Antimony (Sb) mg/l	
4.	Selenium (Se) mg/l	
5.	Vanadium (V) mg/l	

**DRAIN MONITORING FORMAT(Pesticide)**

Sl. No.	Parameters	Rates
1.	Water temperature (°C)	
	<b>Pesticide Analysis Report (OPPs)</b>	
2.	Monochrotophos	
3.	Dimethoate (µg/l)	
4.	Methyl Parathion (µg/l)	
5.	Malathion (µg/l)	
6.	Chloropyriphos (µg/l)	
7.	Ethion (µg/l)	
	<b>Pesticide Analysis Report (OCPs)</b>	
8.	α-HCH	
9.	β-HCH	
10.	γ-HCH	
11.	δ-BHC	
12.	Total BHC (ng/l)	
13.	Aldrin (ng/l)	
14.	Dieldrin (ng/l)	
15.	α-Endosulfan	
16.	Total Endosulfan (ng/l)	
17.	β-Endosulfan	
18.	OP'DDT	
19.	PP'DDT	
20.	PP'DDE	
21.	Total DDT (ng/l)	

20/7/389

**DRAIN MONITORING FORMAT**  
**(Pesticide)**

Sl. No.	Parameters	Results
1.	Water temperature (°C)	
	<b>Pesticide Analysis Report (OPPs)</b>	
2.	Monochrotophos	
3.	Dimethoate (µg/l)	
4.	Methyl Parathion (µg/l)	
5.	Malathion (µg/l)	
6.	Chloropyrifos (µg/l)	
7.	Ethion (µg/l)	
	<b>Pesticide Analysis Report (OCPs)</b>	
8.	α-HCH	
9.	β-HCH	
10.	γ-HCH	
11.	δ-BHC	
12.	Total BHC (ng/l)	
13.	Aldrin (ng/l)	
14.	Dieldrin (ng/l)	
15.	α-Endosulfan	
16.	Total Endosulfan (ng/l)	
17.	β-Endosulfan	
18.	OP'DDT	
19.	PP'DDT	
20.	PP'DDE	
21.	Total DDT (ng/l)	



1715 Q/S 12  
20/8/39  
17-23-17  
20/8/39

C-11012/29/Result/Inst. Lab/2011/1715

September

Speed Post

To,

The Member Secretary  
Haryana State Pollution Control Board  
C-11, Sector-6, Panchkula  
Haryana

1  
5  
176 (S/S) 1911  
33

**Sub: Analysis of effluent samples collected from drains located in Haryana -reg.**

Ref: Your letter no.: HSPCB/EE/1714 Dated 16.08.2017  
Our letter no.: C-11012/29/Result/Inst. Lab/2011/8178 Dated 23.08.2017

Sir,

Kindly refer our above cited letter through which it was agreed to accept and analyse the samples for the parameters enlisted in the table 2 (metals) and table 3 (pesticides) only. While analysis for rest of the parameters as enlisted in table 1 is to be arranged at your end. In this context it is to inform that the matter was reviewed in CPCB and it was decided that due to prior occupancy and existing work load with the central laboratory of CPCB samples may not be accepted at this end and HSPCB may arrange analysis for the parameters enlisted in table 1, 2, & 3 through any E(P)A recognized laboratory.

Yours Faithfully,

(B.K. Jakhmola)

Add. Director & Divisional Head  
Water & Instrumentation Dept.



PUNJAB POLLUTION CONTROL BOARD

HEAD OFFICE LAB. VATAVARAN BHAWAN, PATIALA

Ph 0175-2215793, 2216403, PBX: 2217425 & 2217426, 2216867, 2200867 Fax: 0175-2204990

Web: www.ppcbonline.org

1-15 5-22  
2-8-17

Annexure - 1  
20/9/2017

No. 35589

Dated 14.8.17

To

The Member Secretary,  
Haryana Pollution Control Board,  
C-11, Sector-6,  
Panchkula

EE(OPs)

**Subject:- Analysis of Effluent Samples from 10 Number drains of Haryana.**

**Ref:- Letter no. HSPCB/EE-1705 dt. 13.8.2017.**

This is in reference to the letter mentioned above on the subject cited matter. It is intimated that the Punjab Pollution Control Board Laboratory has facility to analyze all general parameters and heavy metals except antimony, Selenium, Vanadium & Cobalt mentioned in the monitoring format. The method is to be validated four parameters which require more time. Moreover, the Board does not have the facilities to analyze pesticides (OCPs) upto the level of mg/l, some OPPs. The analysis charges for each parameter have been mentioned as per

**Annexure-A attached.**

This is for your information and further necessary action please.

**DA/As above**

  
Member Secretary

## Analysis charges for each parameter

S.No.	Parameters	Rates of Analysis per sample in Rs.
1.	Colour	100
2.	pH	100
3.	BOD (mg/l)	600
4.	COD (mg/l)	300
5.	TSS (mg/l)	100
6.	TDS (mg/l)	100
7.	Cl <sup>-</sup> (mg/l)	160
8.	NH <sub>3</sub> -N (mg/l)	200
9.	NO <sub>3</sub> (mg/l)	200
10.	TC (MPN/ 100 ml)	300
11.	FC (MPN/ 100 ml)	200
12.	Temperature	100

## (Trace Metal/ Heavy Metal)

S.No.	Parameters	Rates of Analysis per sample
1.	Arsenic (As) mg/l	300
2.	Cadmium (Cd) mg/l	300
3.	Total Chromium (Cr) mg/l	300
4.	Copper (Cu) mg/l	200
5.	Iron (Fe) mg/l	100
6.	Lead (Pb) mg/l	300
7.	Manganese (Mn) mg/l	300
8.	Nickel (Ni) mg/l	300
9.	Mercury (Hg) mg/l	300
10.	Zinc (Zn) mg/l	300
11.	Antimony (Sb) mg/l	Method available in Lab.
12.	Cobalt (Co) mg/l	do
13.	Selenium (Se) mg/l	do
14.	Vanadium (V) mg/l	do
15.	Processing Charges per sample for Metals in addition to analysis charges	500

## (Pesticide)

S.No.	Parameters	Rates of Analysis per sample
1.	Monochrotoprus	Facility not available
2.	Dimethoate (µg/l)	do
3.	Methyl Parathion (µg/l)	400
4.	Malathion (µg/l)	Facility not available
5.	Chloropyrifos (µg/l)	do
6.	Ethion (µg/l)	do
7.	α-HCH	Facility to analyse upto 100 ng/l available as it requires GC MS, which is not available with the facility
8.	β-HCH	do
9.	γ-HCH	do
10.	δ-BHC	do
11.	Total BHC (ng/l)	do
12.	Aldrin (ng/l)	do
13.	Dieldrin (ng/l)	do
14.	α-Endosulfan	do
15.	Total Endosulfan (ng/l)	do
16.	β-Endosulfan	do

Annexure - D

20/11/2017



# Punjab Biotechnology Incubator

(A State Government Undertaking)

A Component of Agri Food Biotechnology Cluster, Knowledge City, Mohali

An NABL Accredited Facility



BIS Approved | FSSAI Empanelled | EIC Approved | APEEDA Approved | PPCB Approved | (Notified State Water Lab - GOP) | (Notified Under EPA - GOI)

## Quotation

Issued to :	Environment Engineer (HQ), Haryana State Pollution Control Board C - 11, Sector 8, Panchkula	Quotation No	0-181	
Customer GST ID	Nonregistrars	Date	14.08.2017	
Ref. No. / Date	Letter No HSPCB/EE/1704 dated 13.08.2017			
PAN No. - AAAA90817G	SAC Code - 59442319	GST ID - 53AAAAP0817G1ZL		
<b>DETAILS</b>				
Name/Nature of Sample: Train Water				
Sr. No.	Name of the Parameter	Number of Samples	Unit Rate (Rs)	Net Amt (Rs)
1	Color	30	130.00	3900
2	pH	30	145.00	4350
3	TDS	30	43.00	1290
4	BOD (5 days)	30	800.00	24000
5	COD	30	632.99	18989.70
6	TSS	30	340.00	10200
7	Chloride	30	240.00	7200
8	Ammonical Nitrogen	30	600.00	18000
9	Nitrate	30	42.00	1260
10	Total Calcium	30	160.00	4800
11	Total Calcium	30	45.00	1350
12	Arsenic	30	331.00	9930
13	Cadmium	30	511.00	15330
14	Total Chromium	30	135.00	4050
15	Copper	30	130.00	3900
16	Iron	30	632.00	18960
17	Lead	30	530.00	15900
18	Manganese	30	632.00	18960
19	Nickel	30	180.00	5400
20	Mercury	30	511.00	15330
21	Zinc	30	135.00	4050
22	Antimony	30	135.00	4050
23	Copper	30	135.00	4050
24	Selenium	30	135.00	4050
25	Vanadium	30	432.00	12960
26	Package charges for Periodic routine water by GDAI Ltd	30	1800.00	54000
<b>Sub Total</b>				<b>64500</b>
	GST @ 18%			<b>11610</b>
	<b>Net Payable Amount</b>			<b>76110</b>

*[Signature]*  
Authorized Signatory

**NOTE :**

1. Validity of offer - 45 days
2. Payment should be made in Advance
3. Goods and Service Tax (GST) has been implemented from 1st July 2017, you are requested to kindly share your GST details.
4. Terms & Conditions overleaf.
5. Turn Around Time : 10 to 12 working days from the date of receipt of the sample in the Lab except time bound tests.
6. In case Sampling is carried out by PBT's Team then Sampling and Team Mobilization Charges will be extra. Sampling Date will be confirmed after receipt of payment.
7. Please mention quotation no and date for any future correspondence in this regard.

SCO: 7&8, Phase-V, SAS Nagar (Mohali) - 160 059, Punjab, India



**TERMS AND CONDITIONS**

1. **CHECK THE JOB ORDER AGREEMENT FOR CORRECTNESS AND COMPLETENESS. ANY CORRECTIONS REQUIRED, BE INTIMATED IN WRITING WITHIN FIVE DAYS FROM THE DATE OF REGISTRATION.**
2. **CANCELLATION**
  - A. **Testing Jobs**
    - Job order once booked can be cancelled only if the work on the sample has not been started. Such cancellation can be done after paying the charges for the quantum of work carried out for which a bill will be issued.
    - Job order booked on urgent basis shall neither be cancelled nor converted to ordinary basis.
  - B. **Sampling Jobs**
    - Sampling Job can be deferred / cancelled prior to 48 hrs. of the scheduled date & time.
    - In case of deferment / cancellation within 48 hrs. of the scheduled date & time of execution of PBTI will charge / deduct an amount equal to 25% of sampling charges from the advance payment.
    - In case of deferment / cancellation within 24 hrs. of the scheduled date & time of execution of PBTI will charge / deduct an amount equal to 25% of sampling and transportation charges from the advance payment.
    - In case of deferment / cancellation after the arrival of PBTI's team at the sampling site, PBTI will charge/deduct the total charges for sampling and transportation from the advance payment.
  - C. **General**
    - PBTI reserves the right to cancel the job order without any liability on either side if PBTI is not able to carry out the job due to circumstances beyond its control.
3. **USE OF TEST REPORT**  
Test report issued against the job order shall be reproduced wholly or in part and can not be used as an evidence in the Court of Law and should not be used in any media for advertising without PBTI's permission in writing.
4. **PAYMENT OF CHARGES**  
Analysis charges are payable in advance by Cash or Crossed Demand Draft / local banker's cheque in the name of Punjab Biotechnology Incubator payable at Mohali. The D.D. charges will be borne by the party.
5. **RATE/FEE**  
Rate/Fee levied on the job order may vary subsequently vary depending on the nature of the actual tests performed.
6. **METHOD OF TESTING**  
If method of testing is not specified by the party, PBTI has preferred to follow the national/international standard method of testing or PBTI's own developed standardized method.
7. **SUB CONTRACTING**  
If any test is to be done from outside laboratory on sub contract it will either be indicated in the testing report or in the column of the invoice or intimated separately through a letter.
8. **DISPOSAL OF UNTESTED SAMPLES**  
If the testing charges are not received and if the samples are not collected by the party within 72 hours of the order booking, the samples shall be disposed off without any liability on the part of PBTI.
9. **DISPOSAL OF TESTED SAMPLES**  
Tested samples will be destroyed after **ONE MONTH** from the date of issue of test certificates unless otherwise specified, in case of non perishable items and after testing in case of perishable items.
10. **EXPECTED REPORTING DATE**  
Expected reporting date is only tentative. However, due to reasons beyond PBTI's control e.g. sudden change of instrument, inadequate power supply, incomplete technical information, etc. the actual execution may be delayed.
11. **LIABILITY** - PBTI's liability is limited to the invoiced amount.
12. **THE ACCEPTANCE OF JOB ORDER IS SUBJECT TO USUAL FORCE MAJEURE CLAUSE**
13. **RTGS IFSC Code** - CORP 000096 Corporation Bank, Phase - 1, Mohali
14. **Account Holder Name** - Punjab Biotechnology Incubator - Ltd.
15. **Bank Account No.** - 0565/SB.017034630
16. **RTGS / NEFT Account No.** - 05650017034636
17. **The PBTI's PAN** - AAAJP0817G
18. **Service Tax No.** - AAAJP0817GSD00
19. **Service Tax Category** - Testing & Certification
20. **In case of any dispute the courts at Mohali (Punjab), India only will have the jurisdiction.**
21. **If the payment against perform invoice is transferred to PBTI through RTGS directly to our bank's communication to this effect be also made by the party.**

**DRAIN MONITORING FORMAT**  
(General parameters)

Sl. No.	Parameters	Results
1.	Colour	

**DRAIN MONITORING FORMAT**  
(Trace Metal/ Heavy Metal)

Sl. No.	Parameters	Rates
1.	Arsenic (As) mg/l	
2.	Lead (Pb) mg/l	
3.	Mercury (Hg) mg/l	
4.	Antimony (Sb) mg/l	
5.	Selenium (Se) mg/l	
6.	Vanadium (V) mg/l	

**DRAIN MONITORING FORMAT**

(Pesticide)

Sl. No.	Parameters	Rates
	<b>Pesticide Analysis Report (OPPs)</b>	
1.	Monochrotophos	
2.	Dimethoate ( $\mu\text{g/l}$ )	
3.	Methyl Parathion ( $\mu\text{g/l}$ )	
4.	Malathion ( $\mu\text{g/l}$ )	
5.	Chloropyriphos ( $\mu\text{g/l}$ )	
6.	Ethion ( $\mu\text{g/l}$ )	
	<b>Pesticide Analysis Report (OCPs)</b>	
7.	$\alpha$ -HCH	
8.	$\beta$ -HCH	
9.	$\gamma$ -HCH	
10.	$\delta$ -BHC	
11.	Total BHC (ng/l)	
12.	Aldrin (ng/l)	
13.	Dieldrin (ng/l)	
14.	$\alpha$ -Endosulfan	
15.	Total Endosulfan (ng/l)	
16.	$\beta$ -Endosulfan	
17.	OP'DDT	
18.	PP'DDT	
19.	PP'DDE	
20.	Total DDT (ng/l)	

**Progress of Geo-mapping of industrial unit and establishment of GIS Cell in HSPCB.**

In the 176th meeting held on 19.12.2016 vide Agenda No. 176.12, the Board had approved a sum of Rs. 21,60,000/- for the establishment and Rs 20,45,160/- per year on the manpower for GIS Cell in the Board for geo-mapping of all the industries / STPs / CETPs and waste management / treatment facilities established in the State of Haryana which will map permanent and geo-reference structures like rivers, drains, water bodies, district boundaries, national parks, sanctuaries, forests, monuments etc. This exercise involves both physical verification of individual units to collect their exact coordinates and to map them in lab. The Board has accordingly engaged HARSAC and made initial payment of Rs. 21, 60,000/- out of Rs 42,05,160/- for this purpose. HARSAC has established a GIS Cell in HSPCB Head Office and started its work in April 2017.

Subsequently, it was felt that more manpower shall be required to expedite the work and accordingly the HARSAC submitted revised financial proposal regarding manpower (**Annexure A**) and sum of Rs. 23,71,300/- was paid to HARSAC. Thus total cost escalated to Rs. 45,31,300/-. Initially approximately 13500 units are to be mapped in the State of Haryana. HARSAC has so far completed verification of coordinates of around 13350 units. The HARSAC was supposed to complete the task by July, 2017. But the HARSAC being Govt organisation had to engage manpower from SAKSHAM and they were not getting the manpower regularly from SAKSHAM and the project got delayed and the same is expected to be completed by end of the February, 2018. Simultaneously, the HARSAC is also preparing a Web application for geo-mapping and.

Many new industries have obtained the Board's 'consent to operate' in the meanwhile and all the ROs have already been directed to submit the list of such industries for geo-mapping them too. This is going to be a regular exercise and getting incorporated in the application of Consent to Establish so that mapping of new industries shall be done on a continuous and regular basis.

The above information is submitted for the information of the Board and ex-post facto approval of the revised proposal for Rs. 45,31,300/- instead of Rs 42,05,160/-.

ANNEX - 10

21/2/397

From

The Director  
Dept. of Science & Technology and HarSAC  
Bays: 35-38, Sector-2, Panchkula-134112  
(O) 0172-2563439, FAX: 0172-2560018  
E-mail: [dsthry@gmail.com](mailto:dsthry@gmail.com)

To

✓ The Member Secretary  
Haryana State Pollution Control Board  
C-11, Sector-6,  
Panchkula-134109,  
Haryana.  
Ph.:+91 172 2581005, +91 172 2581006.  
Fax: +91 172 2581201  
Email: [hspcbhq@gmail.com](mailto:hspcbhq@gmail.com)

M/S S. H. J.  
2017  
EE(PT)  
25/2  
21/2

Memo No. FCGISG/HarSAC/DST/PKL2017. 616  
Date: 20.03.2017

**Subject:** Geo-Mapping of Industries in Haryana state.  
**Reference:** No. HSPCB/EE-101/3625 Dated: 27.01.2017 and 4175 Dated 16-03-2017.

As per detailed discussions with Mr. T.P. Babu, Sr. Scientist-SG HarSAC at your's office with reference to above cited reference letter to initiate and complete the task of mapping of industries location relevant to HSPCB, an amount of 23,71,300/- in the form of Demand Draft or Cheque or Electronic Transfer, in favour of Chief Scientist HarSAC, payable at Hisar, the same may be handed over and/or communicated to the under signed office

HSPCB will also provide available 30 GPS instruments on returnable basis immediately after field work with reference to this project

**HarSAC Bank Account Details**  
**Name of Bank:** State Bank of India  
**Branch Address:** CCS HAU Branch Hisar  
**Current A/c No:** 35779355623  
**IFSC Code:** SBIN0001593  
**Branch Code:** 01566, MICR Code: 125002054  
**A/c Holder's Name:** Chief Scientist, Haryana Space Applications Centre Hisar

*(Signature)*  
20/3/2017  
Special Incharge HarSAC etc. Hisar  
for DIRECTOR  
Dept. of Science & Technology, Govt. of Haryana  
and HarSAC

21/3/2018

## Project Proposal on Geo-Mapping of Industries in Haryana state Using Satellite Remote Sensing & GIS Techniques

**Objective:**

- 1) Geo-Mapping of Industries location and GIS data base creation in Haryana state related HSPCB.
- 2) Design and creation of Geo-Dynamic PDF maps to use in offline mode
- 3) Integration of settlement locations, village boundaries, block boundaries, district boundaries, HSPCB region boundaries, water bodies- drains, canals, STP, transport network, Govt. Civil Hospitals in GIS format.

**Tantative work schedule:**

Sl. No.	Activity	April, 2017	May, 2017	June, 2017	July, 2017
1	Recruitment of contractual Project staff	←			
2	Field GPS data collection		←		
3	Field GPS data rectification		←		
4	Base vector data creation	←			
5	GIS data base creation (Digital)	←			
6	Final Report generation and final map production (Soft & Hard copy) in GIS format		←		
7	Compatibility and interoperability of data format with Geospatial web server			←	
8	Design and development of offline GIS maps compatible to use without internet (Geo-Dynamic PDF)				←

Project Cost: Rs. 23,71,300/=

(Rupees Twenty Three lacks Seventy one thousands and three hundreds only)

**Geo-Mapping of Industries in Haryana state  
Using Satellite Remote Sensing & GIS Techniques**

(Tentative cost-Budget Break-up for internal use only)

Sl. No.	Particulars	Tentative Non-Recurring Initial First Year Cost in Rupees
<b>I. Hardware:</b>		
1	GPS instruments available with HSPCB- 30 Nos	-Nil-
2	Hard disks, digital storage requirements etc. 1 TB HD -2 x 5,000	10,000
<b>II. Man Power:</b>		
1	Project Assistants - 12 x 4 months x 25,000 = (for field work GPS Data collection and post data Processing and analysis)	12,00,000
2	Field Survey : Local Conveyance (vehicles: POL for two wheelers) Per day maximum Rs. 300 for PoL 12 survey Project assistants 25 days per month x 100 days x Rs. 300 x 12 surveyors =	3,60,000
3	Field survey (Pre-final Geo-Data base creation and modifications) 4 x 30 x 500 (PoL & DA)	60,000
4	Accommodation during field work: For stay arrangements of field surveyors 300 x 12x 120 days for Project Assistants.	4,32,000
	Total	20,52,000
5.	Institutional and overhead charges @15%	3,09,300
	<b>Grand Total</b>	<b>23,71,300</b>

*Handwritten signature and date*  
24/1/2017

**Agenda Item No. 178.22**

**Procedure for grant and refusal of consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 & Air (Prevention and Control of Pollution) Act, 1981.**

Procedure for grant and refusal of consent to establish and consent to operate under Water Act, 1974 & Air Act, 1981 was issued vide Head Office order Endst. No. HSPCB/2014/10195-10218 dated 07.03.2014 which was notified in the Haryana Government Gazette on 15.04.2014 (**Annexure-I**).

Industries and Commerce Department Haryana has Notified Haryana Enterprise Promotion Policy 2015 vide Notification No. 49/43/2015-4IB1 dated 14.08.2015 which envisages for simplification of procedure for obtaining the clearances from various Departments by the industries. Further Department of Industrial Policy and Promotion, Ministry of Commerce and Industries, Government of India has also laid emphasis on "Ease of Doing Business" for providing efficient, convenient, transparent and integrated electronic services to the applicants seeking clearances from various Govt. Departments and the Business Reform Action Plan 2016 and 2017 has been issued by Industries and Commerce Department.

In compliance of the above said Haryana Enterprise Promotion Policy 2015 and Business Reform Action Plans 2016 and 2017 for ease of doing business in the State, the Board has altered and amended the policy for dealing with the applications of entrepreneurs for grant of clearances under various Environmental Acts/Rules and issued the various policy orders from time to time accordingly.

Further, the Central Pollution Control Board (CPCB) has superseded the earlier directions issued in June, 2012 in context of categorization of industries and revised the categorization of industrial sectors/projects under Red, Orange, Green and White categories, based upon the range of pollution index through modified directions issued under section 18 (1) (b) of Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, for the purpose of consent management under these Acts, vide letter no. B-29012/ESS(CPA)/2015-16/8571 dated 07.03.2016. Based on the revised criteria of categorization of industrial sectors and revised lists of Red, Orange, Green and White categories of industrial sectors as mentioned in the final report attached with the above said modified directions of the CPCB and further based on report and recommendations submitted from time to time by the committee constituted by HSPCB on 01.07.2016 as per provisions of the said CPCB directions, consolidated list of industrial sectors/ projects covered under Red, Orange, Green and White categories, was finalized for the purpose of consent management under Water Act, 1974 and Air Act, 1981 which has been adopted and implemented by the Board vide order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 in supersession of earlier categorization of industrial sectors/projects notified by the Board vide notification dated 15.04.2014 and amendments issued thereafter from time to time. Further amendments and clarification in the categorization of

industrial sectors issued vide order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016, has been made vide order Endst. No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017, Endst. No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017 and Endst. No. HSPCB/PLG-135/2017/5848-5878 dated 13.11.2017.

In view of the above and various decisions taken by the Board from time to time after issue of the procedures for consent management through notification dated 15.04.2014 as mentioned above, it has become expedient to issue a comprehensive procedure for processing the applications for grant of consent to establish and consent to operate under Water Act, 1974 and Air Act, 1981 in supersession of earlier procedure issued through the said notification dated 15.04.2014.

Therefore, the matter was examined by the Technical Advisory Committee (TAC) of the Board in its meetings held on 10.08.2017, 09.10.2017 and 16.11.2017 and based on the recommendation of the TAC, the revised comprehensive procedure for grant and refusal of the consent to establish and consent to operate under Water Act, 1974 and Air Act, 1981 after incorporating all the policy orders and instructions and new categorization of industrial sectors issued by the Board from time to time, has been finalized which is at **Annexure-II**.

Submitted for consideration and approval of the Board so that same can be issued in supersession of the procedure issued earlier vide notification dated 15.04.2014 and any other order issued in this regard before issue of this procedure.



Amendment - I  
22/3/2012

Regd. No. CHG/0093/2012 2013



# Haryana Government Gazette

## Published by Authority

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No. 15 ] CHANDIGARH, TUESDAY, APRIL 15, 2014 (CHAITRA 25, 1936 SAKA)

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### PART III

Notifications by High Court, Advertisement, Notices and Change of Name etc.

#### CHANGE OF NAME

I, Sat Pal Arora S/o Shri Bhagwan Dass residence of H. No. 365, Sector 14, HUDA, Rohtak 124001 (Haryana) have changed my name Sat Pal Arora to Sat Pal.

[ 102—1 ]

#### CHANGE OF NAME

I, Tapan Wadhawa S/o Shri Sat Pal residence of H. No. 365, Sector 14, HUDA, Rohtak 124001(Haryana) have changed my name Tapan Wadhawa to Tapan Wadhwa

[ 103—1 ]

#### CHANGE OF NAME

I, Shefali D/o Shri Bajrang Singla R/o 13/26, Subash Nagar, Rohtak Road, Jind declare that I have changed my name from Saifali to Shefali please concerned note.

[ 104—1 ]

#### CHANGE OF NAME

I, Meena W/o Shri Pawan Kumar R/o VPO Bilaspur, Yamuna Nagar have changed my name Meena to Neena. I will known in future by Neena.

[ 105—1 ]

Price : Rs. 5.00

(59)

**CHANGE OF NAME**

I, Raman Parihar *alias* Rameshwar W/o Shri Birbal Ram Parihar R/o Ward No. 11, Mandi (Sirsa), have changed my name to Rameshwari.

[ 106—1 ]

**CHANGE OF NAME**

I, Sarvjeet Kaur D/o Shri Gurdayal Singh W/o Shri Sarabjeet Singh Khara R/o VPO Sikandarpur, Tehsil and District Sirsa have changed my name from Sarvjeet Kaur to Harpreet Kaur Khara after marriage. All concerned note.

[ 107—1 ]

**CHANGE OF NAME**

I, Sanjiv Kumar S/o Shri Om Dutt Village Haria Bass, District Yamuna Nagar have changed my minor son name Vishavbandu (Vebhav) to Vebhav Dutt Sanjiv Coomar. Please concerned note.

[ 108—1 ]

**CHANGE OF NAME**

I, Umang Garg S/o Shri Vikas Garg R/o H. No. 866/750, Garg Bhawan, Railway Road, Sirsa have changed my name to Bhuvnesh Garg. All concerned please note.

[ 109—1 ]

## HARYANA STATE POLLUTION CONTROL BOARD

C-11 SECTOR-D, PANCHKULA

PH. NO. 0172-577870-73, FAX NO. 2584201

**ORDER**

In pursuance of the provisions of section 25, 26 and 27 of the Water (Prevention & Control of Pollution) Act, 1974 read with Rule 22 of the Haryana Water (Prevention & Control of Pollution) Rules 1978 and section 21 of Air (Prevention & Control of Pollution) Act, 1981 read with Rule 15 of the Haryana Air (Prevention & Control of Pollution) Rules, 1983 and Rule 5 of the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 Haryana State Pollution Control Board in its 169<sup>th</sup> and 170<sup>th</sup> meeting has decided to lay down the following procedure for obtaining Consent to Establish and Consent to Operate and Authorization under the said Acts and the Rules :-

**1. Procedure for Grant of Consent to Establish (CTE)****(i) Red & Orange Category**

The industrial units/projects falling under Red & Orange Categories as mentioned in **Annexure-A & B** respectively, shall apply for Consent to Establish online on the prescribed form alongwith requisite fee available on the website of the Board at [www.hspcb.gov.in](http://www.hspcb.gov.in). The industrial units/projects have to first get registered with the Board by filling form for registration online and will be assigned a unique ID and Password. Then industry can apply for Consent to Establish through login ID and Password. All documents applicable for respective industrial units/projects mentioned in the checklist given at **Annexure-D** must be submitted by uploading softcopy. The project/ industry must go through Industry User Manual given on the website of the Board at Online Consent Management System.

These industrial units/projects shall submit a performance security in the form of Demand Draft in favour of Haryana State Pollution Control Board payable at Panchkula as per the slab given at **Annexure-E** signifying adherence to the prescribed standards under the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 alongwith an undertaking by the applicant indicating awareness of the prescribed standards and commitment to comply with the same on the format given at **Annexure-F**. The performance security shall also be applicable to Ex-post facto CTE cases. The performance security shall be refunded / retired simultaneously with the grant of second CTO subject to compliance of the prescribed standards for discharge of pollutants during the period

of first CTO. For expansion projects, the performance security and CTE fees shall be taken based on the cost of the expansion project.

The CTE so granted shall be valid for a period of 02 years or as mentioned in the project report whichever is earlier, extendable upto 05 years at the discretion of the Competent Authority. In case of specific projects like Power Plants, Fertilizers, Refineries etc., CTE shall be valid upto five years extendable up to another 05 years at the discretion of the Competent Authority. For Stone Crushers, the period will be as per Notification No. S.O.128 /C.A29 /86/S 5 & 7197 dated 18<sup>th</sup> December, 1997 issued by the Government of Haryana, Environment Department. For extension of CTE, units are required to deposit CTE fees on yearly basis alongwith the request for the same, status of construction of project and installation of pollution control measures before 60 days of expiry of CTE period. No other documents will be required in the case of extension of CTE.

For the CTE cases of Hot Mix Plants, Screening Plants and Stone crushers the industrial units/projects will submit the report of concerned Tehsildar w.r.t siting parameters prescribed by the Government of Haryana

In case of Brick kilns, the unit will submit the design of Gravitational Chamber and stack issued alongwith adequacy certificate issued by any of the following agencies authorized by the Board -

- a) Punjab Science & Technology, Chandigarh.
- b) Central Building Research Institute (CBRI), Roorkee.
- c) Priya Bricks & Technology Pvt.Ltd. New Delhi

The industrial units/projects which fall in the area of Aravali Notification dated 7<sup>th</sup> May, 1992, shall require prior clearance from competent authority under Aravali Notification. The report of Aravali area in the Districts of Gurgaon & Mewat for the purpose of Consent to Establish (CTE) shall be taken from Tehsildar through Deputy Commissioner and from concerned District Forest Officer. However in case of industrial units/projects located in approved industrial estates/approved HUDA sectors, verification report from Regional Officer would be required

The consent to establish shall be granted or refused on the merits of the case after examination at headquarter with the approval of the Chairman.

(ii) **Green Category**

The industrial units & projects falling under Green Category given in Annexure-C and other units not covered under Red & Orange category of units shall be exempted from Consent Management and need not apply for Consent to Establish and Consent to Operate to the Board. However, these units will have to provide pollution control devices depending upon their process and activities. These

industrial units / projects shall be governed by self regulatory regime and will not be permitted to pollute the environment.

**(iii) Environmental Clearance :**

The units covered under Environment Impact Assessment (EIA) Notification dt. 14.09.2006 as amended from time to time shall obtain Environmental Clearance first and then apply for Consent to Establish to the Board. However, Public Hearing wherever required shall be conducted by the Board after submission of application, EIA reports (3 copies), Executive summary (10 copies each in Hindi & English) hard as well as soft copy) and prescribed public hearing fee to the Board.

The projects falling in the revenue estates covered in the Notification dt. 191(E) dt. 27.08.2010 issued by Ministry of Environment and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon, shall comply with the provisions of said Notification and will obtain the prior permission of the Monitoring Committee and the Prescribed Authority constituted under the said Notification.

**2. Procedure for Grant of Consent to Operate (CTO)**

The first consent to operate shall be issued in two parts.

- (i) Consent to operate for trial production
- (ii) Consent to operate for regular production

The industrial units shall apply for consent to operate for trial production through Online Consent Management System only on the prescribed Consent to Operate form under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 respectively along with documents as per check list given at Annexure-G, compliance of conditions of CTE and Environmental Clearance (if applicable) and consent fees applicable. In case the unit is covered under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, it shall simultaneously apply for the same. For hazardous waste application, no fee is required to be deposited.

**a) Consent to Operate for Trial Production**

The Regional Officer after verification shall issue Consent to Operate for a period upto 1 to 3 months for trial production depending on the stabilization time required for ETP/APCM/STP installed for each category of industries/projects. There is no requirement of analysis report for consent to operate for trial production. Pollution Control Measures need some time for stabilization after its installation. In case there is no requirement of stabilization of pollution control measures and analysis reports, then case will be processed directly for regular consent to operate.

**b) Consent to Operate for Regular Production****i) First Consent to Operate**

After trial consent, the new units are required to obtain consent to operate on line within the expiry period of trial consent which shall be granted at the level of Head Office after thorough technical scrutiny. The application submitted while seeking the consent for trial production will be considered for regular consent to operate and authorization, provided that the unit will submit request for regular consent alongwith the compliance of the conditions of trial consent and analysis report of effluent / air emissions / noise monitoring report of DG set as applicable and first consent / authorization will be granted for a period of one year w.e.f. the date of issue of trial consent or will be refused depending on the merits of the case with the approval of the Chairman.

**ii) Renewal of Consent to Operate**

The industrial units / projects which are already in operation shall submit the consent application only through Online Consent Management System for renewal of consent under Water Act, 1974/Air Act, 1981 and authorization under the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 for the prescribed period depending upon the category of the units / projects along with the documents as mentioned at Annexure-G and prescribed consent fees, before 90 days of the expiry of the period of consent/authorization so that the consent case can be decided before the expiry date of the consent / authorization. However, unit shall not operate without valid consent to operate under Water Act, 1974/Air Act, 1981 and authorization under Hazardous Waste (MH & TM) Rules, 2008 from the Board.

If the industrial units / projects fails to apply before 90 days of the expiry of previous consent and applies 60 days before the expiry of previous consent, the unit shall have to pay additional consent fee @ 50% of the consent fee notified under the Rules. Subsequently, if the unit fails to apply before 60 days of the expiry of previous consent and applies 30 days before the expiry of previous consent, then the unit will have to pay additional consent fee @ 100% of the consent fee applicable. If the unit fails to apply 30 days before the expiry of the previous consent, the unit will have to pay additional consent fee @ 200% of the consent fee applicable. Thereafter, the Board will take closure action under the provisions of Water Act, 1974 / Air Act, 1981 against such units for not having the valid consent to operate. In case the unit applies for renewal of CTO after the date of expiry of consent period or after taking the penalty action as described above then such applications will be entertained only if such units deposit consent fees for the longer period as per the policy of the Board depending upon the category of the unit alongwith the additional fees @ 300% of the

consent fees prescribed for one year alongwith normal consent fees for subsequent years.

- (iii). **Procedure for obtaining Consent to Operate (CTO) for the units operating before 01.04.2012 and has been covered under consent management first time after 01.04.2012 in view of inclusion of the project / unit covered under consent management as per Board's Notification dated 01.04.2012 and orders dated 16.11.2012.**

The industrial units / projects which were operating before 01.04.2012 and has been covered under consent management first time after 01.04.2012 in view of inclusion of the projects / units under consent management as per Board's Notification dated 01.04.2012 and orders dated 16.11.2012, shall apply for CTO through online consent management system in the prescribed form alongwith consent fees and other documents as mentioned in the checklist given at **Annexure-H**. Consent to operate shall be granted only to those industrial units projects fulfilling the criteria as mentioned in the checklist.

- (iv) **Period for grant of consent to operate**

The consent may be granted even to those units which have past violation but are complying as on date subject to the legal action to be taken against such units for past violations as per policy of the Board. First consent shall be granted for one year and subsequent consents can be granted for a period as per following schedule:

Category	Maximum period of grant of consent
Red	2 years
Orange	3 years

The authorization under Hazardous Waste (Management Handling & Transboundary Movement) Rules, 2008 for industries / projects shall be granted for 5 years as provided in the said Rules.

- (v) **Analysis Reports**

The unit will supply fresh analysis reports of air emissions of all sources and effluent of all sources from outlet of their ETPs / STPs. There will be no need to submit analysis report for small boilers having steam generating capacity upto 2 tonnes per hour where Light Diesel Oil / High Speed Diesel / Gas / Electricity is used as fuel, provided the unit has minimum stack height of 11 meters for such Boilers or 3 meters above the roof level whichever is higher. The Ambient Air Quality report is required only in the cases of large and medium scale units or where there are specific complaints. In case water is used only for cooling purpose and being recirculated completely there would be no requirement of any analysis report. However the units which have installed Effluent Treatment Plants/ Sewage Treatment Plants and utilizing the treated effluent within their process or agriculture/ horticulture

purpose within their premises shall also submit the analysis reports from outlet of ETPs/STPs. The grossly polluting industries and 17 categories highly polluting industries defined by the CPCB will submit the analysis reports on quarterly basis. In case of Brick-Kilns, the monitoring report of air emissions alongwith adequate certificate for Gravitational Chamber and Stack height issued by any of the authorized agencies mentioned at S.No. 1(i) will be submitted alongwith the consent to operate application.

However, in case the increase in quality of effluent is intended to exceed the quantity of effluent for which consent to establish was granted or there is increase in no of stacks/ source of emission from the previous year or any expansion in the project or change in manufacturing process is proposed, then the fresh prior consent to establish will be taken.

In case the industry is found to create conditions that generate any type of pollution in excess of the standards or if there is any objection/ complaint from the surrounding community & if on verification, it is found that such objection has substance even after grant of CTE/CTO by the Board, the Board shall be at liberty to revoke/withdraw the CTE/CTO already issued & take legal action under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986 as considered appropriate.

This policy shall supersede the policy notification dt. 1-04-2012 and shall come into force with immediate effect.

Dated Panchkula the  
6<sup>th</sup> March, 2014

Dr. Mahavir Singh, IAS  
Chairman

Endst. No. HSPCB/2014/

Dated :

A copy of the above is forwarded to the following for information and necessary action:-

1. All Branch Incharges in the Head Office
2. All Regional Officers of the Board in the field
3. All Laboratory Incharges of the Board
4. PA to Chairman
5. PS to Member Secretary.

Sr. Environmental Engineer-I (HQ)  
For Chairman

Endst. No. HSPCB/2014/

Dated :

A copy of the above is forwarded to the following for information please

1. The Principal Secretary, Environment Department, Haryana
2. The Director, Environment Department, Haryana

Sr. Environmental Engineer-I (HQ)  
For Chairman



## Annexure-A

## Red category of industries

Sr. No.	Name of Industry
1.	Airports, and Commercial Air Strips
2.	Aluminum smelter
3.	Asbestos and asbestos based industries
4.	Automobiles Manufacturing (Integrated facilities)
5.	Basic Chemicals and electro chemicals and its derivatives including manufacture of acids
6.	Cement
7.	Ceramic, Refractories
8.	Chlor Alkali
9.	Chlorates, perchlorates and peroxides
10.	Chlorine, fluorine, bromine, iodine, and their compounds
11.	Coal Washeries
12.	Coke making, liquefaction, coal tar distillation or fuel gas making
13.	Common Treatment and disposal facilities (CETP), TSDF, E-Waste recycling, dismantling CBMWTF, Effluent conveyance project, incinerators, Solvent/Acid recovery plant, MSW sanitary landfill sites, STP
14.	Copper smelter
15.	Distillery including Fermentation industry
16.	Dry coal processing, mine air processing, industries involving ore sintering, palletisation, grinding, pulverization
17.	Dyes and Dye-Intermediates
18.	Emulsion of oil & water
19.	Fermentation industry including manufacture of yeast, beer, malt, distillation of alcohol (ENA)
20.	Ferrous and Non ferrous metal extraction involving different furnaces through melting, refining, reprocessing, casting and alloy making
21.	Fertilizer (basic) (excluding formulation)
22.	Fibre glass production and processing (Excluding moulding)
23.	Fire crackers manufacturing and bulk storage facilities
24.	Flakes from rejected PET bottle
25.	Fly ash export, transport and disposal facilities
26.	Health care establishment (20 Beds & Above)
27.	Heavy engineering including Ship Building (With investment on plant & Machinery more than Rs. 10 Crore)
28.	Hot mix plants
29.	Hotels (3 Star & above)
30.	Hydrocyanic acid and its derivatives

31.	Industrial carbon including electrodes and graphite blocks, activated carbon black
32.	Industrial estates/parks/complexes/areas/export processing zones/SEZs/ Bio-parks/ leather complex
33.	Industrial inorganic gases namely - a) Chemical gases Acetylene, hydrogen cyanide, fluorine ammonia sulphur dioxide, ethylene, hydrogen sulphide, phosphine b) Hydrocarbon gases Methane, ethane, propane
34.	Industries engaged in recycling/reprocessing/recovery/reuse of Hazardous Waste under schedule IV of Hazardous Waste (M, H&TBM) Rules, 2008 and its amendments
35.	Industry or process involving foundry operations
36.	Industry or process involving metal surface treatment or process such as pickling/plate/electroplating/ paint stripping/ heat treatment/ phosphating or finishing/ anodizing/ enameling/ galvanizing
37.	Iron and Steel (involving processing from ore/ integrated steel plants and or Sponge Iron Units)
38.	Isolated storage of hazardous chemicals (as per schedule of Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended)
39.	Lead acid battery manufacturing(excluding assembling & charging of acid lead battery in micro scale(< Rs. 25 lakhs)
40.	Lime manufacturing (Using Lime Kiln)
41.	Manufacturing of Explosives, detonators, fuses including management and handling activities
42.	Manufacturing of Glass
43.	Manufacturing of Glue and gelatin
44.	Manufacturing of Lubricating oils, greases or petroleum based products
45.	Manufacturing of Fertilizers, Varnishes, pigments and intermediate (excluding blending/mixing)
46.	Manufacturing of Starch/Sago
47.	Milk processing and dairy products (integrated project)
48.	Mineral stock yards/ Railway sidings
49.	Mining and ore beneficiation
50.	New Highway construction projects
51.	Non alcoholic beverage (soft drink) & bottling of alcoholic/non-alcoholic products (capital investment on plant & machinery > 1 crore)
52.	Nuclear Power Plants
53.	Oil & Gas extraction including CBM (offshore & onshore extraction through drill wells)
54.	Oil and gas transportation pipeline
55.	Oil Refinery (Mineral Oil or Petro Refineries)
56.	Organic chemicals manufacturing
57.	Parboiled rice mills more than 10 TPD
58.	Pesticides (Technical) (excluding formulation)
59.	Petrochemicals (Manufacture of and not merely use of as raw material)
60.	Pharmaceuticals (excluding formulation)

61.	Phosphate rock processing plant
62.	Phosphorous and its compounds
63.	Photographic films and its chemicals
64.	Ports & Harbours, Jetties and Dredging Operations
65.	Power Generation Plants [Except Wind, Solar and Mini Hydel Power plants of capacity <25 MW) and DG set of capacity > 5 MVA]
66.	Processes involving chlorinated hydrocarbons
67.	Pulp and Paper (paper manufacturing with or without pulping)
68.	Railway Locomotive workshops / Integrated Road transport workshop/ Authorised service centres
69.	Reprocessing of used oils and waste oils
70.	Ship breaking activities
71.	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
72.	Soda Ash
73.	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
74.	Stone crushers
75.	Sugar (excluding Khandasari)
76.	Surgical and medical products involving prophylactics and latex
77.	Synthetic detergents and soaps (excluding formalin)
78.	Synthetic fibres including rayon, tyre cord, polyester filament yarn
79.	Synthetic resins
80.	Synthetic rubber excluding molding
81.	Tanneries
82.	Thermal Power Plants
83.	Tobacco products including cigarettes and tobacco/ opium processing
84.	Vegetable oils including solvent extraction and refinery/ hydrogenated oils
85.	Yarn/ textile processing involving any effluent emission-generating process bleaching, dyeing, printing and scouring
86.	Zinc Smelter

Note : Any Industry/ Industrial activity which is not covered in above list having coal fired boiler with steam generation capacity more than 5 Ton / hour will be covered under Red Category

## Orange Category of Industries

Sr. No.	Name of Industry
1.	Almirah, Grill Manufacturing
2.	Aluminium and Copper extraction from scrap using oil fired furnace
3.	Assembling of Acid lead battery (up to 10 batteries per day excluding lead plate casting)
4.	Automobile servicing, repairing and painting (excluding only fuel dispensing)
5.	Ayurvedic and Homeopathic medicine
6.	Bakery & confectionary units with production capacity > 1 tpd]
7.	Biaxially oriented PP film alongwith metalizing operation
8.	Brickfields (excluding fly ash brick manufacturing using lime process)
9.	Building & construction projects more than 20,000 sq. mtr built up area
10.	Cardboard Mills (Except cottage industries)
11.	Cashew nut processing
12.	Chanachur and laddo from puffed and beaten rice (muri and chira) using husk fired oven
13.	Chilling plant, cold storage and ice making
14.	Coffee seed processing
15.	Coke briquetting (sun drying)
16.	Cotton spinning and weaving (medium and large scale)
17.	Cutting, sizing and polishing of marble stones
18.	Dairy and dairy products (small scale) (capital investment on plant & machinery - Rs. 1 crore)
19.	Coal Mills
20.	DC Set of capacity > 1 MVA but < 5 MVA)
21.	Digital printing on poly cloth
22.	Dismantling of rolling stocks(wagons/coaches)
23.	Dry cell battery (excluding manufacturing of electrodes) & assembling & charging of acid lead battery in micro scale(< Rs. 25 lakhs)
24.	Emery powder(fine dust of sand) manufacturing
25.	Engineering and fabrication units (With investment on Plant & Machineries < Rs. 10 Crores)
26.	Excavation of sand from the river bed(excluding manual excavation)
27.	Facility of handling, storage and transportation of food grains in bulk.
28.	Fertiliser (granulation and formulation only)
29.	Fish feed, poultry feed and cattle feed
30.	Fish processing and packaging (excluding chilling of fish)
31.	Foam manufacturing
32.	Food & food processing including fruits & vegetable processing
33.	Forging of ferrous & non-ferrous metal (using oil or gas fired boilers)
34.	Formulation of Pesticides/ Insecticides
35.	Formulation/paletization of camphor tablets, naphthalene balls from camphor/naphthalene powders
36.	Glass, ceramic, earthen potteries and tile manufacturing using oil or gas fired kiln, Coating on glasses using cerium fluoride, magnesium fluoride etc
37.	Glue from starch (physical mixing)
38.	Gravure printing, digital printing on flex vinyl
39.	Heat treatment using oil fired furnace (excluding cyaniding)
40.	Hotels (Less than 3 star)
41.	Ice cream

42.	Infrastructure development project
43.	Jute processing without dyeing
44.	Liquid floor cleaner, black phenyl, liquid soap, glyserol monostearate manufacturing
45.	Manufacture of mirror from sheet glass
46.	Manufacturing of iodized salt from crude/raw salt
47.	Manufacturing of mosquito repellent coil
48.	Manufacturing of toothpowder, toothpaste, talcum powder and other cosmetic items
49.	Mechanized laundry using oil fired boiler
50.	Mineral Grinding / Pulverizing units.
51.	Mineralized water, carbonated soda bottling plants.
52.	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
53.	Packing materials manufacturing from non asbestos fibre, vegetable fibre yarn
54.	Paint blending & mixing (Ball mill)
55.	Pharmaceutical formulation and for R&D purpose (for sustained release/extended release of drugs only and not for commercial purpose)
56.	Plyboard manufacturing (including veneer & laminate) with oil fired boiler, thermic fluid heater, without resin plant)
57.	Polythene & plastic processed products manufacturing (virgin plastics)
58.	Potable alcohol (IMFL) by blending, bottling of alcoholic products (capital investment on plant & machinery < Rs. 1 crore
59.	Poultry (more than 1 lac birds), Hatchery, Piggery
60.	Power press
61.	Printing ink manufacturing
62.	Printing or etching of glass sheet using hydrofluoric acid
63.	Printing press (L & M)
64.	Producer gas plant using conventional up-draft coal gasification (linked to rolling mills, glass and ceramic industry, refractories for dedicated fuel supply)
65.	Pulverization of bamboo and scrap wood
66.	Pyrolysis of waste tyres
67.	Ready mix concrete plants
68.	Repairing of electric motor & generator
69.	Reprocessing of waste plastic (excluding PVC)
70.	Rice mill less than 10 TPD & rice hullers
71.	Rolling Mill (oil or gas fired) and cold Rolling mill
72.	Saw mill
73.	Screening Plants
74.	Seasoning of wood in steam heated chamber.
75.	Silk screen printing, Saree printing by wooden blocks
76.	Spice grinding (> 20 HP motor)
77.	Spray painting, paint baking, paint stripping
78.	Stainless Steel Buffing units
79.	Surgical Cotton Industries
80.	Tamarind powder manufacturing
81.	Tea processing
82.	Thermocol manufacturing
83.	Thermometer making
84.	Transformer repairing/manufacturing
85.	Tyres and tubes vulcanization/hot retreading

86.	Units having boiler with and above 2 ton/ hr steam generation capacity
87.	Units having discharge of 10 KL or more
88.	Urea Formaldehyde Manufacturing units
89.	Wire drawing & Wire netting

## Green Category of Industries

## Annexure-C

SL No.	List of Industry
1.	Aluminium utensils from aluminium circles
2.	Assembly of air coolers/conditioners, repairing and servicing
3.	Assembly of bicycles, baby carriage and other small non-motorised vehicles
4.	Automobile fuel outlet (only dispensing)
5.	Ayurvedic and Homeopathic medicine (without boiler)
6.	Bailing (hydraulic press) of waste papers
7.	Bakery/Confectionery/Sweets production (with production capacity < 1tpd with or gas or electrical oven)
8.	Bio fertilizer & bio-pesticide without using inorganic chemicals
9.	Biomass Briquettes (sun drying) without using toxic or hazardous wastes
10.	Biscuit trays etc. from rolled PVC sheet (using automatic vacuum forming machine)
11.	Blending and packaging of Tea
12.	Blending of melamine resins & different powder, additives by physical mixing
13.	Block making for printing without foundry (excluding wooden block making)
14.	Brass & Bell metal utensils manufacturing from circle (without re-Rolling facility)
15.	Candy
16.	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boiler)
17.	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.
18.	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)
19.	Ceramic colour manufacturing (not using boiler and wastewater recycling process)
20.	Chalk making from plaster of paris
21.	Chilling plant and ice making without use of ammonia
22.	CO2 recovery
23.	Coated electrode manufacturing
24.	Compact disc, computer floppy & cassette manufacturing
25.	Compressed oxygen gas from crude liquid oxygen
26.	Cotton and woolen hosiery making (SSI & Cottage industries)
27.	Cotton spinning & weaving (small scale)
28.	Decoration of ceramic cups & plates by electric furnace
29.	Diesel Generator sets (15 KVA to 1 MVA)
30.	Diesel pump repairing & servicing
31.	Distilled water
32.	Electric lamp (bulb) manufacturing (small scale)

33.	Electrical & electronic items assembling
34.	Flavoured beetle nut production/grinding
35.	Flour mills (dry process)
36.	Fly ash bricks/blocks manufacturing
37.	Fountain pen manufacturing
38.	Glass ampules & vials making from glass tubes
39.	Glass putty and sealant
40.	Glass, ceramic, earthen potteries and tile manufacturing using electrical kiln or not involving fossil fuel kilns
41.	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)
42.	Groundnut decorticating (dry)
43.	Handloom/ Carpet weaving (without dyeing and bleaching operation)
44.	Hotels (upto 10 rooms)
45.	Insulation and other coated papers (excluding paper or pulp manufacturing) manufacturing
46.	Jobbing and machining
47.	Leather cutting and stitching (more than 10 machines and using motor)
48.	Leather footwear and leather products (excluding tanning and hide processing) (except cottage scale)
49.	Lubricating oils, greases or petroleum based products (only blending at normal temperature)
50.	Manufacturing of coir items from coconut husk
51.	Manufacturing of metal caps, containers etc
52.	Manufacturing of optical lenses (using electrical furnace)
53.	Manufacturing of pasted veneers without using boiler or Thermic Fluid Heater or by sundrying
54.	Manufacturing of shoe brush & wire brush
55.	Manufacturing of silica gel (without furnace)
56.	Medical oxygen
57.	Oil mill ghani & extraction (no hydrogenation/refining)
58.	Organic and inorganic nutrients (by physical mixing)
59.	Organic manure (manual mixing)
60.	Packing of powdered milk
61.	Paints and varnishes (mixing and blending) (without ball mill)
62.	Paper pins and U-clips
63.	Phenyl/ Toilet cleaner formulation & Bottling
64.	Power looms (without dyeing and bleaching)
65.	Puffed rice (muri) (using oil, gas or electrical heating system)
66.	Reel manufacturing
67.	Reprocessing of waste cotton
68.	Rope (Cotton & Plastic)
69.	Rubber goods industry (with baby boiler only)
70.	Scientific and mathematical instruments manufacturing



71.	Soap manufacturing (Handmade without steam boiling)
72.	Solar module (Non conventional energy apparatus) manufacturing unit
73.	Solar power generation through solar photovoltaic cell, wind power & mini hydel power (< 25 MW)
74.	Spice grinding (< 20 HP motor)
75.	Steel furniture without spray painting
76.	Steeping and processing of grains.
77.	Surgical and medical products not involving effluent/emission generating processes
78.	Synthetic detergent formulation
79.	Teflon based products
80.	Tyres and tubes retreading (without boiler)

**Annexure-D****Check List of documents for Consent to Establish (CTE)**

- i) CTE application (available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
- ii) CTE fee (Fee schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
- iii) Performance security in the shape of Demand draft in the favour of Board payable at Panchkula, Chandigarh as per prescribed schedule available on the web-site of the Board.
- iv) C.A. Certificate regarding capital investment cost w.r.t. land building, plant and machinery of the proposed project.
- v) Fard Jamabandi or Intkal of the project land / Allotment letter, whichever is applicable.
- vi) Manufacturing process and process Flow Chart.
- vii) Feasibility Report /Scheme of Effluent Treatment Plant/ Sewage treatment Plant, Air Pollution Control Devices / HWM with Hydraulic Design and design calculations based upon the Pollution load and prescribed parameters, as applicable.
- viii) Report of Tehsildar regarding Kisam of land through Deputy Commissioner for areas covered under Aravali Notification dated 07.05.1992 if applicable. In case the land falls in the industrial estate / area and HUDA sectors, the report of Regional Officers will be taken regarding applicability of Aravali Notification.
- ix) Proof of receipt of application submitted to the Forest Department for clearance / permission /NOC from Forest Department.
- x) Report of Revenue Department / Forest Department & other concerned departments regarding siting parameters in respect of Stone Crushers, Hot Mix Plants, Screening Plants, Pulverizes, and License of DFSC in Case of brick Kiln units.
- xi) Change of land use/NOC certificate / licence from the Town & Country Planning Department/Permission from respective Municipal Authority in case unit is situated in M.C. area.
- xii) Collaboration deed, Lease deed / Rent Agreement (in case the project land is on Lease / Rent).
- xiii) Copy of Environmental Clearance in case the project is covered under, EIA Notification dated 14.09.2006 as amended from time to time. (Such units covered under EIA notification shall obtain environmental clearance first and then will apply for CTE to the Board).

**Note (Industry should have following documents at the time of inspection) :-**

1. RO shall verify the names of Directors/Partners from the Hard copy of MOA / partnership Deed / Trust Deed.

## Annexure-E

Performance Security as Bank Draft to be furnished by a unit for obtaining the Consent to Establish.

Sr. No.	Investment	Red category (in Rs.)	Orange Category (in Rs.)
1	Upto 0.5 crore	25,000/-	12,500/-
2	Above 0.5 crore upto 1.00 crore	50,000/-	25,000/-
3	Above 1.00 crore upto 5.00 crore	1,00,000/-	75,000/-
4	Above 5.00 crore upto 10.00 crore	2,00,000/-	1,50,000/-
5	Above 10.00 crore upto 50.00 crore	3,00,000/-	2,00,000/-
6	Above 50.00 crore upto 100.00 crore	4,00,000/-	2,50,000/-
7	Above 100.00 crore	5,00,000/-	3,00,000/-
8	Hot Mix Plants/ Stone Crushers/ Screening Plants	50,000/-	
9	Brick Kilns	25,000/-	
10	Mining :		
	a) More than ten Hectares	5.0 lac	
	b) Five to ten Hectares	2.5 lac	
	c) Less than five Hectares	1.0 lac	

## Annexure-F

## Declaration

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ resident  
of \_\_\_\_\_ declare and affirm as under:-

1. That I am the Partner /Director/Manager/Occupier/ Proprietor of the unit M/s \_\_\_\_\_
2. That I am aware of the provisions of Water Act, 1974, Air Act, 1981 & Hazardous Waste Management Rules, 2008 and standards/norms prescribed for discharge of pollutants under EPA Rules, 1986.
3. That we shall comply with all the provisions of Water Act, 1974, Air Act, 1981 & Hazardous Waste Management Rules, 2008 and standards/norms prescribed for discharge of pollutants under EPA Rules, 1986 after commissioning of our unit.
4. That the work for construction and installation of pollution control measures will be done side by side while doing the construction and installation of the main plant of the unit and will not start the production without installing proper and adequate pollution control measure as per scheme enclosed and without obtaining prior consent to operate from the Board.
5. In case of any of the non compliance by the unit, the Board will be at liberty to forfeit the performance security deposited alongwith the CTE case.

Date:

Deponent/ Applicant

## Annexure - G

**Checklist of documents for obtaining Consent to Operate (CTO) under Water Act, 1974/ Air Act, 1981 and Authorization under HWM Rules, 2008**

- I. Common consent form, consent fee (available on the web-site [www.hspco.gov.in](http://www.hspco.gov.in)).
- II. Latest analysis reports for effluent / Air emissions / Noise level of DG sets (required at the time of regular consent to operate & renewal of consent to operate).
- III. Copy of balance sheet duly attested by CA/CA certificate w.r.t. capital investment cost for the preceding year. (capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease / rent / mortgage).

**Note (Industry should have following documents at the time of inspection) :-**

1. RO shall verify that the units covered under HWTM Rules, 2008 has made agreement with Hazardous waste TSDF/Authorized recycler and shall check the documents during his field inspection.
2. RO shall verify the names of Directors/Partners from the Hard copy of MOA / partnership Deed / Trust Deed.
3. RO shall ensure that unit has submitted Environment Statement of the previous year for large and medium scale Industries / Projects.
4. RO shall ensure that unit covered under HWTM Rules 2008 has submitted required returns.

## Annexure -H

**Checklist of documents for obtaining Consent to Operate (CTO) under Water Act, 1974 / Air Act, 1981 and Authorization under HWM Rules, 2008 for the units operating before 01.04.2012 and has been covered under consent management first time after 01.04.2012 in view of inclusion of the project / unit covered under consent management as per Board's Notification dated 01.04.2012 and orders dated 16.11.2012.**

- i. CTO application (available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in))
- ii. CTO fee applicable for first consent (Fee schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
- iii. Latest analysis reports for effluent/ Air emissions/ Noise level of DG sets (required at the time of regular consent to operate & renewal of consent to operate).
- iv. C.A. Certificate regarding capital investment cost on land building, plant and machinery without depreciation of the project.
- v. Fard Jamabandi or Intkal, whichever is applicable / Allotment letter in case of Industrial area.
- vi. Manufacturing process and process Flow Chart.
- vii. Detail of Effluent Treatment Plant / Sewage treatment Plant, Air Pollution Control Devices / HWM, as applicable.
- viii. Report of Tehsildar regarding Kisam of land through Deputy Commissioner for areas covered under Aravali Notification, if applicable. In case the land falls in the industrial estate/area and HUDA sectors, the report of Regional Officer will be taken regarding applicability of Aravali Notification.
- ix. Allotment letter in case the unit is located in approved industrial area/Estate.

## Note :-

1. RO shall verify the names of Directors / Partners from the Hard copy of MOA / Partnership Deed / Trust Deed with address.
2. RO shall verify that the units covered under Hazardous Waste (MH & TM) Rules 2008 has made agreement with Hazardous waste TSDF/Authorized recycler and shall check the documents during his field inspection.
3. RO shall insure that unit has submitted Environment Statement of the previous year for large and medium scale Industries / Projects.
4. RO shall insure that unit covered under HWTM Rules, 2008 has submitted required returns.
5. Units operating in non confirming areas other than located in Municipal Areas / HUDA Areas, TP Scheme of the committee or any other approved residential colony/ areas, will obtain CLU permission / NOC from concerned authority and till then the consent will be granted on year to year basis provided that unit has installed Adequate Pollution Control Devices and meeting the standards prescribed under EP Rules, 1986.
6. No permission shall be granted to the units located in Municipal Areas / HUDA areas, TP Scheme of the committee or any other approved residential colony/areas.

[ 110-1 ]

**Procedure for grant and refusal of consent to establish and consent to operate under Water Act, 1974 & Air Act, 1981.**

**1. General Provisions.**

- 1.1 All the industrial sectors/projects have been categorized under Red, Orange, Green and White categories based upon their pollution potential and range of pollution index for the purpose of consent management under Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of pollution) Act, 1981 on the direction of CPCB issued under section 18 (1) (b) of Water Act, 1974 and Air Act, 1981 vide letter no. B-29012/ESS(CPA)/2015-16 /8571 dated 07.03.2016 in supersession of earlier categorization of industrial sectors/projects issued vide notification dated 15.04.2014 and amended from time to time. The revised list of industrial sectors/projects categorized under Red, Orange, Green and White categories for the purpose of consent management and inventrization of industries under these categories under Water Act, 1974 and Air Act, 1981, has already been adopted by this Board and implemented vide Head Office order Endst. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016 and subsequently vide order Endst. No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017 and Endst. No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017 and consolidated lists of industrial sectors/projects covered under Red, Orange, Green and White categories, are given at **Annexure-I to IV** respectively.
- 1.2 The industries/projects categorized as Red, Orange and Green, have been covered under consent management for obtaining prior consent to establish (CTE) and consent to operate (CTO) under section 25/26 of the Water Act, 1974 and under section 21 of the Air Act, 1981.
- 1.3 The industrial units/projects falling under white Category as per **Annexure-IV**, are exempted from Consent Management for the purpose of obtaining CTE and CTO under Water Act, 1974 and Air Act, 1981 and there is no necessity for obtaining the CTE and CTO by the industries covered under white category and other units not covered under Red, Orange and Green categories and intimation to the Board in this regard shall suffice.

However, this type of units will have to provide required pollution control devices to meet the prescribed standards for discharge of environmental pollutants, where ever required, depending upon their process and activities and these industrial units/projects shall be governed by self regulatory regime and are not permitted to pollute the environment.

No inspection of White category of industries will be carried out by the Board officials except in the cases where any complaint is received against such type of industries for causing pollution.

- 1.4 The industries/ projects already existing and not covered previously under consent management as per notification dated 15.04.2014 or earlier but have been covered under consent management now as per new categorization of industrial sectors appended with this procedure, shall obtain only CTO and will not require to obtain the CTE.
- 1.5 Siting of the industries / projects shall be only in confirming areas and no industry/project shall be permitted to establish or operate in the ecologically fragile area / protected area or in any non confirming areas or in the residential areas of MCs / HUDA / villages and in any other approved residential colonies / areas.
- 1.6 The units covered under Environment Impact Assessment (EIA) Notification dated 14.09.2006, as amended from time to time, shall apply for Consent to Establish to the Board only after obtaining prior Environmental Clearance from the Competent Authority.
- 1.7 The Industrial units/projects falling in the area prescribed in the Aravali Notification dated 7<sup>th</sup> May, 1992 issued by MoEF & CC, shall require prior clearance from competent authority prescribed under the Aravali Notification, before applying to the Board for CTE or 1<sup>st</sup> CTO in case of new units covered under consent management as per new categorization of projects listed in this procedure.
- 1.8 The report regarding siting of the projects outside the Aravali area in the Districts of Gurgaon & Mewat, shall also be taken for the purpose of Consent to Establish (CTE) or first CTO in case of new units covered under consent management as per new categorization of projects listed in this procedure, from Tehsildar and District Forest Officer through the concerned Deputy Commissioner, to ensure the compliance of the provisions of Aravali Notification dated 7<sup>th</sup> May, 1992 in addition to other prescribed documents. However, in case of industrial units/projects located in approved industrial estates/approved HUDA sectors of District Gurgaon and Mewat, verification report in this regard would be required from Regional Officer concerned.
- 1.9 The projects falling in the revenue estates, covered in ambit of the Notification no. 191(E) dated 27.08.2010 issued by Ministry of Environment, and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon, shall comply with the provisions of said Notification and will obtain the prior permission/clearance of the Monitoring Committee and the Prescribed Authority constituted under the said Notification before submitting the application for CTE to the Board.  
Prior permission/clearance from competent authority shall also be required in case of other similar protected areas declared by the MoEF & CC, Government of India or any prescribed authority from time to time.
- 1.10 For obtaining CTE in case of the Hot Mix Plants, Screening Plants, Grinding/pulverizing units, poultry farms and Stone crushers, the project proponents will also submit the distance report regarding the siting



- parameters prescribed by the Government of Haryana, Environment Department for these projects, provided by the concerned authorities prescribed in the respective notifications, in addition to other prescribed documents for obtaining CTE, to ensure the compliance of the prescribed siting parameters before grant of the CTE.
- 1.11 The units proposed to be setup outside approved industrial areas/estates, will necessarily provide the information in the application form regarding detail of land i.e. Khasra/Kila nos. of the land where the unit has to be established. In case of approved industrial area/estates, the plot no. allotted by the concerned authority will have to be mentioned in the application. The detail of land or plot no. of the unit will be mentioned in the CTE to be granted by the Board.
  - 1.12 CTE will be granted only for the product (s) or activities for which the plot has been allotted or CLU permission has been given by the concerned authorities.
  - 1.13 All the units shall provide all necessary facilities for sampling of air or emission from any of their chimney, flue or duct, plant or Vessel of any other sources and outlets, stationery are mobile including necessary facilities for access to the sampling places, as specified by the Board before applying for first CTO as per provisions of Rule 18 of Haryana Air (Prevention and Control of Pollution) Rules, 1983 as amended from time to time.
  - 1.14 The performance security deposited along with the application for CTE, shall be refunded / retired on the recommendation of concerned Regional Officer automatically without taking any request from the units in this regard, after installation of the required and adequate pollution control devices, compliance of all the conditions of CTE & first CTO and submission of satisfactory analysis reports of effluent/ air emissions/ noise levels, as applicable, from all sources within the stipulated time period prescribed in first CTO, showing all the results complying with the standards prescribed for discharge of pollutants under EP Rules, 1986 and/or laid down by the HSPCB if any.  
The performance security so deposited will be forfeited in case the unit fails to comply with any of the conditions of CTE or first CTO or the standards prescribed by the Board / under EP Rules, 1986 for discharge of Environmental Pollutants or if 1<sup>st</sup> CTO is refused.
  - 1.15 The consent to operate can be granted even to those units which have past violation of their establishment without obtaining CTE provided these type of units are complying with all the relevant provisions of Environmental Acts/Rules and standards for discharge of environmental pollutants prescribed under EP Rules, 1986 as applicable, subject to the legal action is taken against such units by filing the prosecution case in Special Environment Court for such past violations under relevant Acts before

granting of CTO and subject to imposing a specific condition that CTO so granted is without prejudice to the action taken for prosecution in respect of past violation committed by the unit and CTO so granted will have no effect on the prosecution case filed by the Board against such units for past violation in the Court under the relevant provisions of the Water Act, 1974 and/or Air Act, 1981.

No ex-post facto CTE will be given in such cases of past violation as no such provisions is available in Water Act, 1974 and/or Air Act, 1981.

- 1.16 In case the unit is covered under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016, E-Waste (Management) Rules, 2016, Plastic Waste Management Rules, 2016 and Bio-Medical Waste Management Rules, 2016, it shall simultaneously apply for the grant of authorization/registration under the relevant provisions of these Rules.
- 1.17 The units which intend to increase in quantity of effluent or no. of outlets or no. of stacks/ source of emissions, as compared with the quantity for which consent to establish and consent to operate was previously granted or intend to make any expansion in the existing project or change in manufacturing process, such units will obtain the fresh prior consent to establish, for such change.
- In case of change of machinery of latest technology in existing units without increase in production or without any change in the manufacturing process, there will be no need to obtain fresh CTE.
- 1.18 All the applications for CTE and CTO shall be processed within time period prescribed by the Board for all the concerned officers dealing with the consent management at Regional as well as at Head Office level and it will be ensured by all the concerned officers that the applications are decided within the time limit prescribed by the Board.
- 1.19 Thrust will be given that all units obtain CTO for 5 years in case of Red category, 10 year in case of Orange category and 15 years in case of Green Category of industries.
- 1.20 In case any unit changes its nomenclature (name) only, then such unit will apply on the prescribed performa given at **Annexure-A**, through the concerned Regional Office of the Board for grant of permission for change of its name in CTE/CTO and in other records of the Board, alongwith the documents as given in the Checklist of the documents given at serial no. 1 of **Annexure-1**.

Regional Officer will submit the details and his recommendation to Head Office for approval on the prescribed performa given at **Annexure-B**.

In case there is only change in the ownership of the unit without change in its nomenclature (name), the copy of fresh memorandum of article & association or partnership deed or proof of proprietorship, as the case may be, shall be submitted through the concerned Regional Office who

in turn will forward a copy of the same to Head Office alongwith his comments.

- 1.21 Where a unit, to whom consent has been granted by the Board, transfers his interest in the industry to any other person/unit, by its sale or otherwise, such consent shall be deemed to have been granted to such other person/unit after grant of permission by the Board for the same and such other person/unit shall be bound to comply with all the conditions subject to which it was granted as if the consent was granted to such other person/unit originally.

In such cases the unit transferring his interest in the industry to any other person/unit, will intimate the Board for the same through concerned Regional Office and request to allow transfer of his interest in the industry on the prescribed format given at **Annexure-C** alongwith the documents as given in the Checklist of the documents given at serial no. 2 of **Annexure-1**.

Regional Officer will submit the details and his recommendation to Head Office for approval on prescribed performa given at **Annexure-D**.

- 1.22 Where an existing unit is purchased or taken on lease by another unit and the new unit apply to the Board for grant or renewal of CTE/CTO in his name such units will first obtain the permission for change of name and other details of the existing unit, purchased or taken on lease by such units, in the record of the Board including transfer of interest of such industry in their name for which an application for the same on the prescribed performa given at **Annexure-C**, alongwith the documents as given in the Checklist of the documents given at serial no. 2 of **Annexure-1**, through concerned Regional Office.

Regional Officer will submit the details and his recommendation to Head Office for approval on the prescribed performa given at **Annexure-D**.

- 1.23 Applications for change of name of the unit or transfer of interest in the industry to any other person/unit, will be decided at the level of Head Office on the recommendation of concerned Regional Officer.

The concerned Branch in Head Office dealing with consent management, will submit the proposal to the authorities on the format on the prescribed performa given at **Annexure-E** for approval.

- 1.24 First CTO for expansion of projects, shall be valid for a period up to which the CTO for their existing project already stand granted and in case 1st CTO for expansion project is applied alongwith the application for renewal of CTO for existing project then validity of such CTO shall be the same for both expended and existing projects.
- 1.25 The provisions of inspection policy issued by the Board shall be strictly complied.
- 1.26 No unit shall be established and operated by any person without obtaining prior CTE and CTO respectively under Water Act, 1974/ Act, 1981 from the

Board. If the unit after grant of CTE/CTO, intends to shift to another site/location then it will take the fresh CTE for the establishment at the new site/location.

## 2. Procedure for grant of consent to establish (CTE)

### 2.1 Consent to Establish for new units

- 2.1.1 The new industrial units/projects falling under Red, Orange and Green Categories listed as **Annexure-I, II & III** respectively, shall apply for Consent to Establish of the Board through the on-line portal of Haryana Enterprises Promotion Centre (HEPC), in the prescribed form alongwith requisite NOC/CTE fee as prescribed by the Board from time to time and will be deposited through online payment gateway as per fees schedule available on the website of the Board i.e. [hspcb.gov.in](http://hspcb.gov.in)
- 2.1.2 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 2.1.3 All documents applicable for respective industrial units/ projects mentioned in the checklist given at **Annexure-V**, will be submitted by the units while applying for CTE, by uploading the same on the online portal.
- 2.1.4 The units while submitting the application for obtaining CTE, shall also submit a performance security through online payment gateway as per the slab given at **Annexure-VI** or revised from time to time, alongwith undertaking by the applicant as per specimen given at **Annexure-VII**, signifying adherence to the prescribed standards, all the conditions of CTE and indicating awareness about the provisions of the Water Act, 1974/Air Act, 1981 and applicable Rules and self certification regarding not starting of any construction or installation work at site.
- 2.1.5 No inspection is required for the purpose of dealing the cases of CTE unless any violation come to the notice of the Board and undertaking/self certification submitted by the unit, will be considered sufficient to decide the CTE applications, subject to submission of complete application alongwith prescribed documents, consent fee and performance security.
- 2.1.6 If at any stage it is found that the work at the site of the unit was/has been started for construction of plant and installation of machinery before obtaining the consent to establish under Water Act, 1974 and Air Act, 1981 from the Board, legal action will be taken in that case against such units by filing the prosecution case in Special

Environment Court for such violations under relevant provisions of the said Acts before or even after grant of CTE, as the case may be.

2.1.7 The validity period of CTE so granted by the Board will be as under:-

- (i). The CTE for the projects requiring Environmental Clearance, shall be granted for a period upto 07 years subject to the validity of Environmental Clearance or the date of commissioning of the project, whichever is earlier.
- (ii). The CTE, for the projects not requiring Environmental Clearance, shall be granted for a period upto 05 years including stone crushers, hot mix plants, screening plants, brick kilns etc. or the date of commissioning of the project, whichever is earlier.

## 2.2 Renewal/Extension of Consent to Establish

- 2.2.1 The units intending for auto renewal of their CTE from the Board, shall apply through online portal of HEPC at least 90 days prior to the date of expiry of the period of previous CTE, in prescribed Performa with declaration and undertaking as per **Annexure-VIII** alongwith the prescribed CTE/NOC fees and documents prescribed for extension of CTE as per checklist given in **Annexure-V**.
- 2.2.3 This application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/board of directors / partners of the unit.
- 2.2.4 The consent to establish will be renewed on the basis of self certification only in those cases where there is no change in the raw material, process, product, increase in overall capital investment cost on land, building, plant and machinery, production capacity and also in pollution load of the unit and will remain the same as declared by the unit in its original application submitted earlier to the Board for obtaining first CTE.
- 2.2.5 The CTE will be renewed only once and for a period of maximum 02 years from the date of expiry of the period of first CTE granted subject to validity of EC if applicable.
- 2.2.6 The units where the CTE has earlier been granted as per provisions of policy notification dated 15.04.2014 and/ or extended upto the eligible period as prescribed in the said notification or less, those units will apply for renewal of CTE for remaining period as applicable as per provisions prescribed in this procedure in Para no. 2.1.5 plus another 02 years (Subject to validity of EC if applicable).
- 2.2.7 The facility for renewal of CTE can be availed for one term only subject to payment of requisite NOC/CTE fees. Such units will deposit

requisite NOC/CTE fees for renewal of consent to establish only applicable for one time alongwith the application for auto renewal.

- 2.2.8 In case the unit fails to apply for renewal of CTE before 90 days of expiry of CTE and apply there after upto the date of expiry of CTE then 50% performance security deposited by the unit at the time of obtaining the first CTE, will be forfeited and such units will be required to deposit the forfeited amount of performance security along with application for renewal of CTE. In case of the units which fail to apply for renewal of CTE within the validity period of previous CTE, 100% performance security will be forfeited and direction will be issued to such units by the Board to stop the further construction and installation work of their project.

The units which fail to apply for renewal of CTE within validity period of previous CTE, shall apply afresh along with all relevant documents, NOC/CTE fees and fresh performance security required for grant of fresh CTE with documentary proof that they have not done any work for construction or installation of machinery after expiry of validity period of CTE.

Where ever it come to the notice of the Board at any stage that any unit, applied for extension of CTE or has been extended the CTE, has done any construction or machinery installation work after expiry of validity of CTE, legal action under the relevant provisions of Water Act, 1974 and/or Air Act, 1981 will be taken against such units in that case for such violation.

- 2.2.9 Inspection will not be carried out by the Board's officers for processing the applications for extension/renewal of CTE, except in the cases where any complaint or report has been received in the Board regarding any violation made by the unit.
- 2.2.10 Those units which have been granted CTE but do not want to continue the work for construction and installation of their project beyond the validity period of their CTE, shall submit an undertaking in this regard to the Board, at least 30 days prior to the date of expiry of previous CTE, on prescribed format given at **Annexure IX**, giving the detail about the status of their project constructed and established till the date of submission of such undertaking.

Such units will not start the work for further construction/ installation of their project, without obtaining prior CTE for remaining work of establishment of their project and shall apply for extension as per policy, as and when it is intended to resume the remaining construction/installation work of this project, alongwith the required documents prescribed for extension of CTE, CTE/NOC fees as applicable and self declaration to the effect that they have not done any work at site or construction or installation of machinery after expiry of validity of previous CTE granted by the Board. In case any

violation in this regard come to the notice of the Board at any stage then CTE will be refused/cancelled beside taking legal action.

No fresh performance security will be required for such type of cases.

- 2.2.11 In case of building & construction projects or township and area development projects, where the validity period of license issued by Town & Country Planning Department expired after grant of CTE and applied for renewal/extension of CTE without renewal of such license, the CTE for such projects will be extended till the validity of Environmental Clearances of such projects, subject to submission of all required documents prescribed for renewal of CTE and subject to submission of proof regarding submission of their application to Town and Country Planning Department for renewal of their license, with one of the specific condition that the unit will not do any construction work of their project till the renewal of license from Town & Country Planning Department and the extension of CTE so granted will become null & void if such units fail to renew their license for their project from Town & Country Planning Department. The copy of extension of CTE so granted will also be forwarded to Director, Town & Country Planning Department for their information and necessary action.

### 2.3 Consent to Establish for Expansion of the industries/projects

- 2.3.1 No expansion in the existing industries/projects covered under consent management will be done without prior CTE of the Board.
- 2.3.2 For expansion of the existing industrial units/projects falling under Red, Orange and Green Categories, the application shall be submitted for Consent to Establish of the Board under Water Act, 1974 and Air Act, 1981 through the on-line portal of the HEPC in the prescribed form alongwith documents related to CTE for expansion projects as per checklist given in **Annexure-V**, applicable performance security as per the slab given at **Annexure-VI** and requisite NOC/CTE fee prescribed by the Board as per fees schedule available on the website of the Board. The performance security and NOC/CTE fees should be deposited through online payment gateway.
- 2.3.3 The performance security and CTE fees for expansion projects shall be charged based on the cost of the expansion project.

In case the project proponent proposes to increase the production capacity within the existing plant without adding any investment cost, then the performance security and CTE fees shall be charged on the basis of capital investment cost of the existing plant.

- 2.3.4 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 2.3.5 Inspection will not be carried out for processing the cases of CTE for Expansion of the industries/projects and cases of CTE for expansion will be decided on the basis of status of compliance of standards for discharge of Environmental Pollutants prescribed under EP Rules, 1986, for the existing plant of the unit supported with the latest analysis reports and valid consent to operate.
- 2.3.6 Period of CTE for expansion projects, shall be same as applicable for establishment of new units at the time of 1st CTE as well as renewal of CTE as prescribed in para no. 2.1 and 2.2 respectively.
- 2.3.7 For extension/renewal of CTE granted for expansion projects, the procedure prescribed in para no. 2.2, shall be applicable.



### 3. Procedure for Grant of Consent to Operate

#### 3.1 First Consent to operate

- 3.1.1 The industrial units/projects falling under Red, Orange and Green Categories listed in **Annexure-I, II & III** respectively, after completing the construction and installation of their project with valid CTE, shall apply for 1<sup>st</sup> consent to operate of the Board before commissioning their proposed production/activities and even before starting the trial run of such activities/trial production, through the online portal of the HEPC in the prescribed form, alongwith all documents, applicable for respective industrial sectors/projects, mentioned in the checklist given at **Annexure-X** and report on compliance of conditions of CTE and Environmental Clearance (if applicable) by uploading the same on the online portal. No documents are allowed to be submitted manually.
- 3.1.2 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 3.1.3 Requisite consent fee, as prescribed by the Board from time to time, shall also be deposited by the units while applying for CTO, through online payment gateway, as per schedule available on the website of the Board i.e. [www.hspcb.gov.in](http://www.hspcb.gov.in).
- 3.1.4 The application shall be submitted for grant of CTO for a period, based upon the category of the project, as prescribed by the Board. However the units shall be at liberty to apply for consent to operate for lesser period also, by giving the justification for the same.
- 3.1.5 No separate trial consent will be granted and 1<sup>st</sup> consent to operate will include trial consent. The units can operate their projects only after obtaining prior CTO from Board.
- 3.1.6 At the time of obtaining 1<sup>st</sup> CTO, the industries will deposit the prescribed testing fees with the Board through online payment gateway for analyzing their samples of effluent/air emission/noise, as applicable, from the Board's laboratories. Analysis reports issued from the authorized laboratories will not be accepted for grant of first CTO.
- 3.1.7 Inspection of the industry will be carried out by the authorized officer/ officers of the Board before commissioning of the production in the unit and before giving the 1<sup>st</sup> CTO, after approval from the Competent Authority, to ascertain the status regarding installation of pollution control measures/ devices undertaken at the time of obtaining the CTE, as well to assess their structural adequacy and to check the compliance of the other conditions of CTE and Environmental Clearance (if applicable), before deciding the cases of

- 1<sup>st</sup> CTO. The application for first CTO will be decided on the merits of the case and according to the compliance status ascertained by the Regional Officers after inspection of the unit:
- 3.1.8 In case the first CTO is refused then the performance security deposited by the unit at the time of obtaining the CTE will be forfeited and the unit will also not start its production or any of its activities at site.
- 3.1.9 The inspection of the unit will be carried out again, after grant of the 1<sup>st</sup> CTO, by the authorized officer (s) of the Board with prior approval of competent authority as per inspection policy within a period of 03 months after grant of 1<sup>st</sup> CTO for collection of samples of effluent/ air emissions/ noise, as applicable, to get the samples analyzed from the Board's Laboratories as per policy of the Board, in case sampling from the unit is required depending upon the process of the unit.
- 3.1.10 In case the analysis report of samples of Air/ effluent/ noise so collected, are found complying the standards prescribed by the Board or under EP Rules, 1986, the 1<sup>st</sup> CTO granted, will remain valid for the period for which it has been granted based upon the category of the project or as was demanded by the unit whichever is less but in case of failure of sample (s), the 1<sup>st</sup> CTO so granted will be revoked/ cancelled after following the due procedure, beside taking legal action against the unit and forfeiture of performance security deposited by the unit at the time of obtaining the CTE, as per policy of the Board.

### 3.2 Period for consent to operate

- 3.2.1 Validity of period of consent to operate for different category of industrial sectors/projects under Water Act, 1974 and Air Act, 1981, will be as under:-

Industry/Project Category	Validity Period
Red Category	5 Years
Orange Category	10 Years
Green Category	15 Years

- 3.2.2 The units will be at liberty to deposit the full applicable consent fee for the whole prescribed period depending upon their category. However the units shall be at liberty to apply for consent to operate for lesser period also by giving justification for the same. The fees for consent to operate can also be deposited by the industries in installments as per time schedule given below :-

Sr. No.	Category	Validity period of consent	Time schedule
1	Red	05 years	For the First 03 years, at the time of filing of application and for the remaining 02 years before ending the 3 <sup>rd</sup> year.
2	Orange	10 Years	For the First 04 years, at the time of filing of application, for next 03 years before ending the 4 <sup>th</sup> year and for the remaining 03 years before ending the 7 <sup>th</sup> year.
3	Green	15 Years	For the first 05 years at the time of filing the application, for next 05 year before ending the 5 <sup>th</sup> year and for the remaining 05 years before ending the 10 <sup>th</sup> years.

- 3.2.3 In case of the units, who opted to pay consent fee in installments for obtaining CTO for longer period and fails to deposit the installment of consent fees within prescribed time limit, the CTO so granted will be revoked/cancelled for the remaining period for which consent fees will not be deposited, after following the due procedure.
- 3.2.4 In case the rates of consent fees are revised during the period of consent to operate and the unit has opted to deposit the consent fees in the installments then such units will have to deposit the consent fee at the revised / enhanced rates for the remaining period from the date of revision of the consent fees. However, the units which have opted to deposit the full consent fees at the time of filing the application for consent to operate, will not be liable to pay the revised / enhanced consent fees in case the consent fee is enhanced during the period of consent to operate granted to those units.
- 3.2.5 The consent to operate granted shall have the validity ending as indicated in the table below:-

Sr. No.	Category	Validity month (up to)
1	Red	End of September
2	Orange	End of March
3	Green	End of December

### 3.3 Renewal of Consent to Operate

- 3.3.2 The industrial units/projects falling under Red, Orange and Green Categories listed in **Annexure-I, II & III** respectively, intending for renewal of the CTO from the Board, shall apply through the online portal of the HEPC, atleast 90 days before expiry of the validity



period of previous CTO granted by the Board under Water Act, 1974 and Air Act, 1981, on prescribed Performa as per **Annexure-XI**, self certification and undertaking on compliance of conditions of previous consent to operate granted to the unit alongwith the requisite consent fees to be deposited through online payment gateway and the documents as mentioned in the checklist given at **Annexure-X**.

- 3.3.3 No documents are allowed to be submitted manually.
- 3.3.4 Application shall be submitted by the authorized official of the industry/project, duly authorized by the owner/Board of directors / partners of the unit.
- 3.3.5 The consent to operate will be renewed only in those cases where there is no change in the raw material, process, product, increase in overall capital investment cost on land, building, plant and machinery, production capacity and also in pollution load of the unit and will remain the same as declared in the original application for obtaining previous CTO.
- 3.3.6 The CTO will be renewed only for those units which are complying the standards prescribed for discharge of pollutants prescribed under EP Rules, 1986 and submitted all required documents and prescribed consent fees.
- 3.3.7 Renewal of CTO will not prevent the Board from taking appropriate action against the defaulting units including revoking the CTO, which will fail to comply with any of the conditions of the CTO or any relevant provisions of the Water Act, 1974 and Air Act, 1981.
- 3.3.8 If the industrial units / projects fails to apply before 90 days of the expiry of previous consent and applies 60 days before the expiry of previous consent, the unit shall have to pay additional consent fee @ 50% of the consent fee notified under the Rules. Subsequently, if the unit fails to apply before 60 days of the expiry of previous consent and applies 30 days before the expiry of previous consent, then the unit will have to pay additional consent fee @ 100% of the consent fee applicable. If the unit fails to apply 30 days before the expiry of the previous consent, the unit will have to pay additional consent fee @ 200% of the consent fee applicable. Thereafter, the Board will take closure action under the provisions of Water Act, 1974/ Air Act, 1981 against such units for not having the valid consent to operate.
- 3.3.9 In, case the unit apply for renewal of CTO after the date of expiry of consent period or after taking the penal action as prescribed above then such applications will be entertained only if such units deposit consent fees for the longer period as per the policy of the Board depending upon the category of the unit alongwith the additional fees @ 300% of the consent fees prescribed for one year alongwith normal consent fees for subsequent years.

- 3.3.10 There will be no requirement of inspection of industries at the time of renewal of CTO. However such units will be required to submit the analysis reports of effluent, air emissions and noise levels, as applicable, from all sources issued from any of the recognized laboratories or from any of the Board's Laboratory, not more than 03 months old, showing the compliance of prescribed standards, with self certification and undertaking for compliance of the relevant provisions of Acts/Rules as applicable and adherence to the prescribed standards alongwith latest Mandatory Inspection report / analysis reports conducted by the team of officer of the Board and required documents.
- 3.3.11 The unit will be at liberty to get their samples of effluent/air emissions/noise, analyzed from Board's laboratories, for the purpose of renewal of consent to operate. In that case, the inspection will be carried out for the purpose of this sampling by the authorized officer (s) of the Board only after taking prior permission from the Competent Authority as per inspection policy of the Board.

**3.4 Procedure for obtaining Consent to Operate (CTO) by the industries/ projects already existing and operating before 14.07.2016 which were not covered previously under consent management as per notification dated 15.04.2014 amended from time to time or earlier but have been covered under consent management first time w.e.f. 14.07.2016 as per revised categorization of industrial sectors for consent management.**

- 3.4.1 The industries/ projects already existing and operating before 14.07.2016 which were not covered previously under consent management as per notification dated 15.04.2014 amended from time to time or earlier but have been covered under consent management first time w.e.f. 14.07.2016 in view of revised categorization of industrial sectors for consent management as per order issued vide Ends. No. HSPCB/PLG-135/2016/546-572 dated 14.07.2016, vide order Endst. No. HSPCB/PLG-171/2017/4081-4106 dated 19.05.2017 and Endst. No. HSPCB/PLG-171/2017/4295-4320 dated 08.06.2017, shall not require CTE and will obtain CTO directly and apply for the same to the Board through online portal of HEPC in the prescribed form alongwith documents as mentioned in the check list given at **Annexure-XII** and requisite consent fee prescribed by the Board to be deposited through online payment gateway as per fees schedule available on the website of the Board i.e. hspcb.gov.in.
- 3.4.2 The application shall be submitted for grant of CTO for a period based upon the category of the project as prescribed by the Board. However the units shall be at liberty to apply for consent to operate for lesser period also, by giving the justification for the same.
- 3.4.3 These units will also be at liberty to deposit the applicable fee for consent to operate as per provisions given in Para No. 3.2.2 of this procedure.
- 3.4.4 These units will deposit the prescribed testing fees with the Board for analyzing their samples of effluent/air emission/noise, as applicable, only from the Board's laboratories, for obtaining the first CTO.
- 3.4.5 Inspection of these units applying for CTO will be carried out by the authorized officers of the Board after obtaining prior permission from the competent authority to verify and process the applications for CTO and for collection of the samples of effluent/air emissions/noise, as required.
- 3.4.6 Consent to operate shall be granted only in those cases where all the applicable documents as mentioned in the checklist are submitted and have installed the required and adequate pollution control measures and the standards prescribed by the HSPCB or under EP Rules, 1986 for discharge of environmental pollutants has been complied with.

**4. Competent Authority for deciding the applications for CTE & CTO.**

- 4.1 The CTE and CTO shall be granted or refused on the merits of the case after examination, by the competent authority as per powers delegated by the Board from time to time and the approval certificates bearing digital signatures of the authorized officer, shall be issued through online system which can be downloaded by the applicants from the online portal.
- 4.2 Chairman of the Board has over all and full powers for deciding the application for CTE as well as CTO.
- 4.3 All Regional Officers of the Board have been delegated powers for grant/refusal of CTE and CTO under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, in their respective area of jurisdiction, vide order Endst. No. HSPCB/PLG-139/2016/5814-5839 dated 02.03.2016 and vide order Endst. No. HSPCB/2017/2657-2681 dated 25.01.2017 for Red, Orange and Green category of industrial sectors/projects having investment cost upto Rs. 10 crore or CLU cases upto 1 acre in conforming area.
- 4.4 All the cases of the industries/projects of Red, Orange and Green category, having investment cost more than Rs. 10 crore or CLU cases more than 1 acre in conforming area, which are submitted through the online portal of HEPC for grant of consent to establish and consent to operate of the Board under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, shall be decided by the officer of the Board on deputation with EEC/HEPC and delegated with such powers by the HSPCB for grant/refusal of CTE/CTO.

## 5. Requirement of Sampling and submission of analysis reports

- 5.1 The industries/projects covered under consent management, will submit analysis reports of effluent/air emissions/noise levels of DG sets, as applicable, only from the Board's laboratories at the time of obtaining 1<sup>st</sup> CTO and thereafter the industries will be at liberty to get their samples analyzed from other Govt./Semi Govt./Private laboratories recognized by Board for the purpose of renewal of CTO.
- 5.2 In the case of Mandatory Inspections, court matters, re-sampling and complaints, the samples will be analyzed from Board Laboratories.
- 5.3 The Ambient Air Quality reports will be required only in the cases of specific complaints or where there are specific directions from CPCB/MoEF&CC or from any other competent authority or where any court of law has issued direction in this regard.
- 5.4 In case water is used only for cooling purpose and being circulated completely, there would be no requirement of analysis reports of such cooling water.
- 5.5 The units which have installed Effluent Treatment Plants/ Sewage Treatment Plants and utilizing the treated effluent for agriculture/horticulture purpose within their premises or recycling/reusing in their process of manufacturing, shall also submit the analysis reports of the samples of effluent from inlet and outlet of their ETPs/STPs and from final outlet (s) of the units, if these are different.

## 6. Action against Violators

- 6.1 In case the industry is found creating such conditions that generate any type of pollution in excess of the prescribed standards or if there is any objection/ complaint received from the surrounding community & if on verification it is found that such objection/ complaint has some substance even after grant of CTE/CTO by the Board, the Board shall be at liberty to revoke/withdraw/cancel the CTE/CTO issued to such units & take legal action against such units under the provisions of the Water Act 1974, Air Act 1981 and the Environment (protection) Act, 1986, as considered appropriate.
- 6.2 Grant or renewal of CTE and CTO does not prevent the Board from revoking of those CTE and CTO including taking appropriate action against those defaulting units, where CTE or CTO has been obtained or got extended on the basis of wrong declaration or false documents and also who fail to comply with any of the conditions of CTE granted to such units or any relevant provisions of Water Act, 1974 and Air Act, 1981 beside forfeiture of performance security deposited by the unit for obtaining CTE.



**List of Red Category of Industrial Sectors/Projects**

Sr. No.	Industrial Sector/Project
1.	Isolated storage of hazardous chemicals (as per schedule of manufacturing, storage of hazardous chemicals rules, 1989 as amended)
2.	Automobile Manufacturing (integrated facilities)
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
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 (large, medium scale and integrated projects)
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

Sr. No.	Industrial Sector/Project
	blending/mixing)
22.	Organic Chemicals manufacturing
23.	Airports and Commercial Air Strips having discharge of 100 KLD or more
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, having discharge of 100 KLD or more with or without incinerator
31.	Hotels having overall waste-water generation @ 100 KLD and more or having 3 star and above or having 100 rooms and above
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 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.
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 having discharge of 100 KLD or more
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/

Sr. No.	Industrial Sector/Project
	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 including basis drugs
59.	Pulp & Paper ( Large-Agro + wood) , Small Pulp & Paper ( agro based-wheat straw/rice husk)
60.	Distillery ( molasses / grain / yeast based)
61.	Induction Furnace clubbed with AOD Furnace
62.	Synthetic detergents and soaps having waste water generation more than 100 KLD (excluding formulation)
63.	Automobile servicing, repairing and painting having waste water generation more than 100 KLD (excluding only fuel dispensing)
64.	Building and construction project more than 20,000 sq. m built up area having waste water generation more than 100 KLD
65.	Ceramics and Refractories having coal consumption more than 12 MT per day
66.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having discharge > 100 KLD
67.	Lead metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
68.	Industry or processes involving foundry operations having capacity of 5 MT/hr. and more.
69.	Manufacturing of lead glass
70.	Non-alcoholic beverages (soft drink) & bottling of alcohol/non alcoholic products having waste-water generation > 100 KLD.
71.	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste-water generation more than 100 KLD
72.	Parboiled Rice Mills having waste-water generation > 100 KLD or fuel consumption > 12 MTD or both.

Sr. No.	Industrial Sector/Project
73.	Common treatment and disposal facilities (CETP, TSDF, E-waste recycling, CBMWTF, effluent conveyance project, incinerator, solvent/acid recovery plant, MSW sanitary land fill site)
74.	Sewage treatment plants having capacity 100 KLD or more
75.	Industrial estates/ parks / complexes/ areas/ export processing zones/ SEZs/ Biotech parks/ leather complex
76.	Units engaged in the activities of handling and management of Hazardous Waste as defined in Hazardous and other Wastes (M & TM) Rules, 2016, other than those covered under any of the category of industrial sectors, such as use, treatment, processing, recovery, pre-processing, co-processing, utilization etc. of the hazardous and other wastes
77.	Recycling of used lead acid batteries

**List of Orange Category of Industrial Sectors/Projects**

<b>Sr. No.</b>	<b>Industrial Sector/Project</b>
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 having quantity of waste water generation up to 100 KLD (excluding only fuel dispensing)
19.	Ayurvedic and homeopathic medicine
20.	Brickfields ( excluding fly ash brick manufacturing using lime process)
21.	Building and construction projects more than 20,000 sq. m built up area having quantity of waste water generation 10 KLD to 100 KLD
22.	Ceramics and Refractories having coal consumption upto 12 MT per day
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, pelletisating, grinding & pulverization
27.	Fermentation industry including manufacture of yeast, beer, distillation of alcohol having quantity of waste water discharge upto 100 KLD (Extra Neutral Alcohol)
28.	Ferrous and Non- ferrous metal extraction involving different furnaces through melting, refining, re-processing, casting and alloy-making
29.	Fertilizer (granulation / formulation / blending only)
30.	Fish feed, poultry feed and cattle feed

Sr. No.	Industrial Sector/Project
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 magnesium fluoride etc.
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 or having quantity of waste water discharge less than 100 KLD.
39.	Ice cream
40.	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.	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.	Industry or processes involving foundry operations having capacity of foundry operations less than 5 MT per hr.
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 etc., and other agricultural waste using synthetic adhesive resin, wooden box making ( With boiler)
52.	New highway construction project
53.	Non-alcoholic beverages(soft drink) & bottling of alcohol/non alcoholic products having quantity of waste water generation up to 100 KLD
54.	Paint blending and mixing (Ball mill)
55.	Paints and varnishes (mixing and blending)

Sr. No.	Industrial Sector/Project
56.	Ply wood manufacturing (including Veneer and laminate) using the fuel such as wood or coal or any other authorized fuel with or 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 furnace/submerged arc furnace /basic oxygen furnace /hot rolling reheated furnace
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 without waste water generation or having quantity of waste water generation up to 100 KLD
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 purpose)
75.	Synthetic resins
76.	Synthetic rubber excluding molding
77.	Cashew nut processing
78.	Coffee seed processing
79.	Parboiled Rice Mills having quantity of waste water generation up to 100 KLD or fuel consumption up to 12 MTD or both
80.	Foam manufacturing
81.	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.	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.	Producer gas plant using conventional up drift coal gasification ( linked to rolling mills glass and ceramic industry refractories for dedicated fuel supply)
84.	Health care establishments (As defined in BMW Rules) having waste water generation less than 100 KLD without incinerator
85.	Airport and commercial air strips having discharge less than 100 KLD

Sr. No.	Industrial Sector/Project
86.	Railway locomotive workshop/Integrated road transport workshop/Authorized service centers (having waste-water generation < 100 KLD)
87.	Manufacturing of pasted veneers using coal/wood scrap boiler or thermic fluid heater and by sun drying
88.	Cardboards and Millboards
89.	Strawboards
90.	Formulation of pesticides/ insecticides
91.	Recycling / Pyrolysis plants of waste pneumatic tyres/tyre scrap
92.	Screening plants
93.	Surgical cotton industries
94.	Inorganic Chemical Compounds such as Chlorides/Sulphates/Sulphites/Niterates/Oxides/Flourides/ Stearates of metals/Cations
95.	Sodium and other silicates manufacturing
96.	Cotton coated fabrics including printing and lamination (Rexene)
97.	Friction dust
98.	Brake lining/ Disc brake pad
99.	Chlorinated paraffin wax/plasticizers
100.	Sewage treatment plants having capacity 10 KLD or more but less than 100 KLD
101.	Infrastructure development projects having overall liquid Waste generation 100 KLD or more
102.	Dismantling of E-Waste
103.	Flour mills generating trade effluent
104.	Distilled water units using boiler or furnace as heating source
105.	Construction and Demolition (C&D) Waste processing and recycling units
106.	Garment/ Apparel manufacturing units having only garment washing, with or without boiler except bleaching, dyeing, printing, coloring



**List of Green Category of Industrial Sectors/Projects**

Sr. No.	Industrial Sector/Project
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 <1tpd (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 melamine 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)

Sr. No.	Industrial Sector/Project
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 Farms handling one lac or more birds at a given time in single location and Hatchery & Piggery irrespective of no. of birds/animals
34.	Power looms (without dye and bleaching)
35.	Puffed rice (muri) (using gas or electrical heating system)
36.	Pulverization of bamboo and scrap wood
37.	Ready mix cement concrete irrespective of investment cost
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 (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.	CO2 recovery
50.	Distilled water ( without boiler) with electricity as source of heat
51.	Hotels (up to 20 rooms and without boilers)
52.	Manufacturing of optical lenses (using electrical furnace)
53.	Mineralized water
54.	Tamarind powder manufacturing
55.	Cutting, sizing and polishing of marble stone
56.	Emery powder ( fine dust of sand) manufacturing
57.	Flyash export, transport & disposal facilities
58.	Mineral stack yard / Railway sidings
59.	Oil and gas transportation pipeline
60.	Seasoning of wood in steam heated chamber
61.	Synthetic detergent formulation
62.	Tea processing ( with boiler)
63.	Modular wooden furniture from particle board, MDF < swan timber etc, Ceiling tiles/ partition board from saw dust, wood chips etc., and other agricultural waste using synthetic adhesive resin, wooden box making (Without boiler)
64.	LPG bottling plants

Sr. No.	Industrial Sector/Project
65.	Sewage treatment plants having capacity less than 10 KLD
66.	Infrastructure development projects having overall liquid Waste generation less than 100 KLD
67.	Industrial inorganic gases namely- a) Chemical gas- Acetylene, hydrogen, chlorine, fluorine, ammonia, sulphur dioxide, ethylene, hydrogen-sulphide, phosphine b) Hydrocarbon gases- Methane, ethane, propane
68.	Automobiles manufacturing outsourcing all of the polluting activities.
69.	Refurbishing of used electrical and electronic equipments

**List of White Category of Industrial Sectors/Projects**

Sr. No.	Industrial Sector/Project
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 making)
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 Sydes 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

Sr. No.	Industrial Sector/Project
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)
37.	Automobile fuel outlets (only dispensing)
38.	Diesel generator sets having total capacity 1 MVA or less and equipped with acoustic enclosures alongwith adequate stack height
39.	Almirah, Grill Manufacturing without painting operation (Dry Mechanical Process)
40.	Health care Establishments i.e hospitals/clinics without indoor facilities and having only OPD consultancy
41.	Printing presses without involving water polluting process
42.	Garment / Apparel units involving only stitching process, without discharge of effluent and Air emissions from process
43.	Poultry Farms handling less than one lac birds. (Environmental guidelines issued by Haryana Government/CPCB for poultry farms shall be applicable)

**Check List of documents for obtaining consent to establish (CTE) under  
Water Act, 1974 / Air Act, 1981**

**I. 1<sup>st</sup> Consent to Establish**

1. Online application
2. Proof of deposit of NOC/CTE fee and performance security.
3. C.A. Certificate regarding capital investment cost w.r.t. land, building, plant and machinery of the proposed project.
4. Fard Jamabandi and Intkal of land of the unit, in case unit is located outside approved industrial area/estate.
5. Power of attorney/authority letter to sign the application.
6. Allotment letter of the plot issued from the concerned authority in case of approved industrial area.
7. Manufacturing process and process Flow Chart.
8. Design Scheme of Effluent Treatment Plant/ Sewage treatment Plant, Air Pollution Control Devices / Hazardous Waste Management as applicable, with Hydraulic Design and design calculations based upon the Pollution load and prescribed standards.  
In case of Brick kilns, design and drawing of high draft Zig Zag technology based Kiln and stack.
9. Report of Tehsildar and District Forest Officer regarding Kisam of land through Deputy Commissioner, for areas covered under Aravali Notification, if applicable. In case the land falls in the industrial estate / area and HUDA sectors, the report of Regional Officers will be taken regarding applicability of Aravali Notification (only for District Gurugram and Nuh).
10. Clearance/ permission in case of the projects falling in the revenue estates covered in the Notification no. 191(E) dt. 27.08.2010 issued by Ministry of Environment, and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon.
11. Proof of receipt of application submitted to the Forest Department for clearance / permission /NOC, of Forest Department.
12. Report of Revenue Department / Forest Department & other concerned departments regarding sitting parameters in respect of Stone Crushers, Hot Mix Plants, Screening Plants, Pulverizes, Poultry Farms and License of DFSC in Case of brick Kilns.
13. Change of land use permission/license/NOC certificate from the Town & Country Planning Department or respective Municipal or other Authority or village Panchayat, as the case may be.
14. Lease deed/ Rent Agreement in case land is taken on rent or lease, Collaboration deed in case of construction projects, if applicable (duly registered with revenue authorities).
15. Copy of Environmental Clearance in case of the projects covered under, EIA Notification dated 14.09.2006.
16. Copy of MOA / partnership Deed / Trust Deed, as applicable having

the name and address of Directors/Partners.

17. Declaration by the unit regarding awareness about pollution control related standards and law and undertaking for their compliance, as per Annexure-VII.
18. Site plan of the unit in case it is located outside approved industrial area.
19. Layout plan showing the details of all manufacturing processes, location of stacks/ chimneys, ETP/ STP, APCM, Hazardous Waste storage and treatment facilities, tube wells, Water supply lines, Effluent drains and final outlets for the disposal of the effluent.

## II. Renewal/Extension of Consent to Establish

1. Online application for renewal of CTE with declaration on prescribed Performa (Annexure-VIII).
2. Proof of deposit of NOC/CTE fees (as per schedule available on the web-site of the Board i.e. [www.hspcb.gov.in](http://www.hspcb.gov.in))
3. Copy of 1st CTE & previous renewed CTE (if any).
4. Power of Attorney/authority letter to sign the application.
5. Progress report regarding construction of project and installation of pollution control measures/devices, as per scheme submitted while obtaining 1st CTE.
6. Valid license or proof of submission of application for renewal of license to Town and Country Planning Department or any other concerned authority, in case of Building and construction projects and Township and Area Development projects.

## III. Consent to Establish for expansion of the existing project

Apart from the documents required for obtaining 1st CTE and NOC/fee, following additional documents are required to be submitted along with application for CTE for expansion of projects:-

1. Copy of valid CTO under Water Act, 1974/ Air Act, 1981 and Authorization under Hazardous Waste Management Rules (if applicable) for the existing project.
2. Latest inspection report and analysis reports of effluent/ air emissions/ noise (as applicable), conducted by Board officers for the mandatory inspection, if conducted.
3. Copy of fresh analysis reports of effluent/air emissions/ noise, analyzed from Board's lab/recognized lab. (not more than 03 month old)
4. Declaration regarding compliance of prescribed standards for discharge of environmental pollutants in the existing operating project of the unit as per **Annexure -XIII**.



## Annexure-VI

**Performance Security prescribed for obtaining the Consent to Establish.**

a) Performance Security as per investment cost of the projects (other than mentioned at Sr. No. b).

Sr. No.	Capital Investment Cost of the project (Cost of land, building, Plant and Machinery)	Red Category (in Rs.)	Orange Category (in Rs.)	Green Category (in Rs.)
1.	Upto 0.5 crore	25,000/-	12,500/-	5,000/-
2.	Above 0.5 crore upto 1.00 crore	50,000/-	25,000/-	10,000/-
3.	Above 1.0 crore upto 5.00 crore	1,00,000/-	75,000/-	25,000/-
4.	Above 5.0 crore upto 10.00 crore	2,00,000/-	1,50,000/-	50,000/-
5.	Above 10.00 crore upto 50.00 crore	3,00,000/-	2,00,000/-	1,00,000/-
6.	Above 50.00 crore upto 100.00 crore	4,00,000/-	2,50,000/-	1,25,000/-
7.	Above 100.00 crore	5,00,000/-	3,00,000/-	1,50,000/-

b) Performance Security for specific projects irrespective of investment cost

1. Hot Mix Plants/ Stone Crushers/ Screening : 50,000/-
2. Brick Kilns : 25,000/-
3. Mining Projects:-
  - a) More than ten Hectares : 5.0 lac
  - b) Five to ten Hectares : 2.5 lac
  - c) Less than five Hectares : 1.0 lac





**Declaration by the applicant for obtaining I<sup>st</sup> CTE**

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ resident of \_\_\_\_\_  
 declare and affirm as under:-

1. That I am the Partner/Director/Manager/Occupier/Proprietor of the unit M/s \_\_\_\_\_
2. That I am aware of the provisions of Water Act, 1974, Air Act, 1981 and HOWM Rules, 2016, Rules and procedure framed there under and standards/norms prescribed for discharge of pollutants under EPA Rules, 1986 and shall comply with the same.
3. That we shall comply with all the provisions of Water Act, 1974, Air Act, 1981 and Rules framed there under HOWM Rules, 2016 and standards/norms prescribed for discharge of pollutants under EP Rules, 1986 after commissioning of our unit.
4. That we have not started the work at the site for construction of plant and installation of machinery of our project and will also not start the same before obtaining the consent to establish under Water Act, 1974 and Air Act, 1981 from the Haryana State Pollution Control Board.
5. That the work for construction and installation of pollution control measures will be done side by side while doing the construction and installation of the main plant of the unit and will not start the production without installing proper and adequate pollution control measure as per scheme enclosed and without obtaining prior consent to operate from the Board.
6. In case of the non compliance of the above undertaking or false declaration found at any stage, the Board will be at liberty to forfeit the performance security amounting to Rs. \_\_\_\_\_ deposited along with the CTE application through online payment gateway or in the form of Demand Draft no. \_\_\_\_\_ dated \_\_\_\_\_ issued by \_\_\_\_\_ (Bank) besides taking any other legal action under the provision of Water Act, 1974 & Air Act, 1981.
7. That we shall comply with all the terms & conditions of consent to establish to be issued by the Board.

**Dated:**

**Deponent/Applicant**

**Format of the application for auto renewal of the consent to establish under Water Act, 1974 / Air Act, 1981.**

To

The Chairman,  
Haryana State Pollution Control Board,  
C-11, Sector 6, Panchkula.

**Sub: Application for auto-renewal of the consent to establish under Water Act, 1974 / Air Act, 1981- Self certification.**

**Ref: Consent to establish issued by the Board vide letter no. \_\_\_\_\_ dated \_\_\_\_\_ valid up to \_\_\_\_\_.**

Sir,

We are submitting herewith application for auto renewal of our consent to establish under Water Act, 1974 / Air Act, 1981 granted by your Board vide letter under reference, along with the prescribed NOC fees for the same and the following declaration and undertaking as per policy of your Board :-

1. That we have a valid consent to establish under Water Act, 1974 / Air Act, 1981 issued by HSPCB vide above referred letter validity upto \_\_\_\_\_, copy of which is enclosed herewith.
2. That the present details of the manufacturing process and other informations /data of our unit are same as submitted / provided to the Board earlier with original application for obtaining original Consent to Establish referred above and therefore the same may be considered for present application for renewal of consent to establish for another period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.
3. That the proposed capital investment cost of our industry/ project, as per documents submitted with earlier application for consent to establish granted by HSPCB vide above referred letter, was Rs. \_\_\_\_\_ lacs, which will remain the same and will not be increased in terms of land, building and plant and machinery, without prior information / permission of the HSPCB.
4. That there will be no change in the raw material, process, products, quantity of effluent, source of air emissions, scheme of pollution control measures and increase in production or pollution load and will remain same as submitted in original application for consent to establish.
5. That we shall deposit the balance NOC fees if found due at any later stage due to increase in capital investment cost on land, building, plant and machinery.
6. That we are complying with the conditions of consent to establish granted earlier vide letter under reference and further undertake to comply with further conditions if any imposed by HSPCB in future.
7. That we shall install all the required pollution control measures and devices as per scheme / proposal already submitted by us with our original

application for consent to establish upto the satisfaction of the Board side by side in proportionate to the construction of the project and before the commissioning of the unit failing which Board will be at liberty to forfeit the performance security deposited by us with the Board in this regard beside taking legal action under the provisions of relevant Acts/Rules applicable to our unit.

8. That we shall not start even trial production without obtaining prior consent to operate for trial production from the HSPCB.
9. That we shall provide all the arrangements for sampling of air emissions and effluent as prescribed by the Board and online monitoring systems as directed by the HSPCB/CPCB from time to time, in our unit before starting even trial production.
10. That in case our unit is not fully established within the validity period of extension of CTE, than we shall apply afresh for obtaining new CTE, 90 days before the expiry of the renewed CTE.
11. That we are complying and shall comply with all the conditions of Environmental Clearance (in case unit is covered under EIA notification dated 14.09.2006.)
12. That we shall comply with all the relevant provisions of water Act, 1974, Air Act, 1981, EPA, 1986 and Rules made their under including Hazardous Waste (MH&TM) Rules, 2008 applicable to our unit.
13. That we undertake that auto renewal of consent to establish will not prevent the HSPCB for taking coercive action against us if our unit fails to comply the prescribed standards or conditions of consent to establish granted and renewed to our unit or only applicable provision of Water Act, 1974, Air Act, 1981 and EPA, 1986 and Rule made their under.
14. That the declaration and undertaking given above has the approval of all the partners / Board of Directors / owners of the industry / project and copy of resolution of the Board / power of attorney in the regard is attached herewith.

It is therefore requested that the consent to establish may kindly be renewed/extended further for another period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.

Dated: \_\_\_\_\_

Authorized Signatory

Name and Designation  
with phone no., email address  
and seal of the company



## Annexure-IX

**Undertaking by those units which have been granted CTE but do not want to continue the work for construction and installation of their project beyond the validity period of their CTE.**

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ in the capacity of \_\_\_\_\_ of M/s \_\_\_\_\_ undertake as under:-

1. That I am the Partner/Director/Manager/Occupier/Proprietor of the unit M/s \_\_\_\_\_
2. That our unit have been granted consent to establish, by the Board under Water Act, 1974 /Air Act, 1981 vide Letter no. \_\_\_\_\_ dated \_\_\_\_\_ valid up to \_\_\_\_\_.
3. That the detail about the status of our project constructed and established till date is attached herewith.
4. That we do not want to continue the work for construction and installation of our project beyond the validity period of consent to establish granted by the Board at this stage.
5. That we shall apply for extension of consent to establish as and when the remaining work for construction and installation of the project is proposed to be started well in advance and will not start the construction and installation work of the project without further extension of the consent to establish from the Board.

Dated: \_\_\_\_\_

Authorized Signatory

Name and Designation  
with phone no., email address  
and seal of the company

**Check list of documents for obtaining 1<sup>st</sup> consent to operate (CTO)****I. 1st Consent to Operate**

1. Online consent application.
2. Power of attorney/authority letter to sign the application.
3. Proof or deposit of required and applicable consent fee, as per schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in).
4. Collection and testing fee prescribed by the Board as per schedule available on the web-site of the Board, for analysing the samples of effluent/ Air emissions/ Noise level of DG sets, as applicable, for all sources. (Analysis report of air emissions from all sources including diesel engines of capacity more than 0.8MW (800kW) for power plants and generator sets will be required).
5. Copy of balance sheet duly attested by CA or CA certificate w.r.t. capital investment cost of the unit for the preceding year. (Capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease or rent or mortgage).
6. MOA / partnership Deed / Trust Deed (if changed).
7. Layout plan showing the details of all manufacturing processes, location of stacks/ chimneys, ETP/ STP, APCM, Hazardous Waste storage and treatment facilities, tube wells, Water supply lines, Effluent drains and final outlets for the disposal of the effluent.
8. Permission of the concerned authorities for disposal of the effluent in to sewer/drain etc.
9. Detail of land in case the effluent is discharged on land for percolation or for irrigation along with copy of registered agreement made with the land owners in case the land belong to the persons other then the land of the applicant unit.
10. Detail of ETP/STP, APCM, acoustic enclosure, Hazardous Waste Management Facilities installed in the unit along with their size, specification and capacity.
11. In case of industries/projects/establishments handling Hazardous Chemicals having threshold quantities mentioned in schedule II and III of MSIHC, Rules, 1989 and covered under rule 10 & 13 of these Rules, proof of submission of safety audit report duly audited with the help of an expert, atleast 90 days before commencing the activity and onsite emergency plan alongwith report of the mock drill of the same to Chief Inspector of Factories alongwith copy of the same. (Required as per instructions of MOEF & CC issued vide letter No. 14-7(382)/2010-HSMD dated 09.03.2016).
12. Occupation certificate issued by Town & Country Planning Department, in case of Building & construction projects/area development projects.



## II. Renewal of consent to operate

1. Online application for renewal of CTO on prescribed Performa (Annexure-XI).
2. Proof of deposit of required and applicable consent fee (as per schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in)).
3. Copy of previous CTO.
4. Power of attorney/authority letter to sign the application.
5. Copy of balance sheet duly attested by CA or CA certificate w.r.t. capital investment cost of the unit for the preceding year. (Capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease or rent or mortgage).
6. Latest inspection report and analysis reports of effluent/ air emissions/ noise conducted by Board officer (s) for the mandatory inspection, if conducted.
7. Copy of fresh analysis reports of effluent/air emissions/ noise analyzed from Board's lab/recognized lab. (not more than 03 months old)
8. Environment Statement in Form V for the financial year ending on 31<sup>st</sup> March (required in compliance of Rule 14 of EP Rules, 1986).
9. In case of industries/projects/establishments handling Hazardous Chemicals having threshold quantities mentioned in schedule II and III of MSIHC, Rules, 1989 and covered under rule 10 & 13 of these Rules, proof of submission of updated safety audit report duly audited with the help of an expert, annually and up to date onsite emergency plan alongwith report of the mock drill of the same to Chief Inspector of Factories alongwith copy of the same, (Required as per instructions of MOEF & CC issued vide letter No. 14-7(382)/2010-HSMD dated 09.03.2016).
10. Permission of the concerned authorities for disposal of the effluent in to sewer/drains etc (in case not submitted earlier).
11. Detail of land in case the effluent is discharged on land for percolation or for irrigation along with copy of registered agreement made with the land owners in case the land belong to the persons other then the land of the applicant unit (in case not submitted earlier).
12. Copy of logbook for last 03 months maintained for operation of ETP/STP/APCM for the record of energy and chemical consumption, quantity of effluent at inlet and outlet of ETP/STP supported with readings of magnetic flow meters alongwith quantity of treated effluent recycled/reused in the process, utilized in the premises and discharged, mode of disposal.

**Format of the application for auto renewal of the consent to operate under Water Act, 1974 / Air Act, 1981.**

To

The Member Secretary,  
Haryana State Pollution Control Board,  
C-11, Sector 6, Panchkula.

**Sub: Application for auto-renewal of the consent to operate for the period \_\_\_\_\_ under Water Act, 1974 / Air Act, 1981.**

Sir,

It is submitted that we had been granted the consent to operate under Water Act, 1974 / Air Act, 1981 upto \_\_\_\_\_ by the Board vide letter No. \_\_\_\_\_ dt. \_\_\_\_\_ and No. \_\_\_\_\_ dt. \_\_\_\_\_ respectively. Now we are submitting our application for auto renewal of the consent to operate under Water Act, 1974 / Air Act, 1981 for the period \_\_\_\_\_ to \_\_\_\_\_, along with the prescribed consent fees for the same and with the following declaration and undertaking as per policy of your Board :-

1. That we have valid consent to operate under Water Act, 1974 / Air Act, 1981 upto \_\_\_\_\_ issued by HSPCB vide above referred letters, copies of which are enclosed herewith.
2. That the present details of the manufacturing process and other informations / data of our unit are same as submitted / provided by the Board earlier with original application for obtaining previous Consent to operate referred above and therefore the same may be considered for present application for renewal of consent to operate for further period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.
3. That the capital investment cost on land, building, plant and machinery of our industry/ project without charging depreciation and with upto date additions as on \_\_\_\_\_ is Rs. \_\_\_\_\_ lacs and the consent fees has been deposited according to the said capital investment cost of our unit. We undertake to deposit the balance consent fees if any found due at any stage due to increase in the investment cost on Land, Building, Plant and Machinery of our unit at any later stage.
4. That we are complying with the conditions of previous consent to operate granted to our unit by the Board valid upto \_\_\_\_\_ and also complying with all the standards / norms prescribed under EP Rules, 1986 for discharge of environmental pollutants, by operating our pollution control devices regularly and effectively.
5. That there will be no change in the raw material, process, products, quantity of effluent, source of air emissions, technology of pollution control measures

and increase in production or pollution load and will remain same as submitted in the previous application for consent to operate.

6. That we shall keep on operating and maintaining our pollution control measures / devices regularly and effectively and will maintain and keep all the parameters within standards / norms prescribed under EP Rules, 1986.
7. That we are submitting herewith the copy of the latest inspection report and analysis report of effluent/ air emissions/ noise conducted by the Board's officers on \_\_\_\_\_ alongwith copy of fresh analysis reports of effluent/ air emissions/ noise analyzed from Board's laboratory/ recognized laboratory, showing the compliance of prescribed standards.
8. We undertake to comply with all the conditions of renewal of consent to operate to be imposed by the Board if any.
9. That we shall comply with all the relevant provisions of water Act, 1974 and Air Act, 1981.
10. We undertake that auto renewal of consent to operate will not prevent the Board for taking coercive action against us if our unit fails to comply with the prescribed standards or conditions of consent granted during auto renewal of the same.
11. The undertaking has the approval of the Board of Directors/ Partner/Owner of the industry/project and copy of the resolution of the Board/ Power of Attorney is attached herewith.

It is therefore requested that the consent to operate under Water Act, 1974/ Air Act, 1981 may kindly be renewed further for another period w.e.f. \_\_\_\_\_ to \_\_\_\_\_.

Dated: \_\_\_\_\_

Authorized Signatory

Name and Designation  
with phone no., email address  
and seal of the company



**Checklist of documents for obtaining Consent to Operate (CTO) by the industries/ projects already existing and operating before 14.07.2016 which were not covered previously under consent management as per notification dated 15.04.2014 amended from time to time or earlier but have been covered under consent management first time w.e.f. 14.07.2016 as per revised categorization of industrial sectors for consent management.**

1. Online consent application.
2. Power of attorney/authority letter to sign the application.
3. Proof or deposit of required and applicable consent fee, as per schedule available on the web-site [www.hspcb.gov.in](http://www.hspcb.gov.in).
4. Collection and testing fee prescribed by the Board as per schedule available on the web-site of the Board, for analysing the samples of effluent/ Air emissions/ Noise level of DG sets, as applicable, for all sources. (Analysis report of air emissions from all sources including diesel engines of capacity more than 0.8MW (800kW) for power plants and generator sets will be required).
5. Copy of balance sheet duly attested by CA or CA certificate w.r.t. capital investment cost of the unit for the preceding year. (Capital investment cost should include the original cost of land, building, plant & machinery without depreciation but with upto date additions. The cost of land and building should be included in the capital investment cost even if it is on lease or rent or mortgage).
6. MOA / partnership Deed / Trust Deed (if changed).
7. Layout plan showing the details of all manufacturing processes, location of stacks/ chimneys, ETP/ STP, APCM, Hazardous Waste storage and treatment facilities, tube wells, Water supply lines, Effluent drains and final outlets for the disposal of the effluent.
8. Permission of the concerned authorities for disposal of the effluent in to sewer/drain etc.
9. Detail of land in case the effluent is discharged on land for percolation or for irrigation along with copy of registered agreement made with the land owners in case the land belong to the persons other then the land of the applicant unit.
10. Detail of ETP/STP, APCM, acoustic enclosure, Hazardous Waste Management Facilities installed in the unit along with their size, specification and capacity.
11. Fard Jamabandi and Intkal of land of the unit in case unit is located outside approved industrial area/estate.
12. Allotment letter of the plot issued from the concerned authority in case of approved industrial area/estate.
13. Manufacturing process and process Flow Chart.
14. Report of Tehsildar and District Forest Officers regarding Kisam of land through Deputy Commissioner for areas covered under Aravali Notification, if applicable. In case the land falls in the industrial estate / area and HUDA sectors, the report of Regional Officers will be taken regarding applicability

- of Aravali Notification (only for Gurugram and Nuh District).
15. Clearance/ permission in case of the projects falling in the revenue estates covered in the Notification no. 191(E) dt. 27.08.2010 issued by Ministry of Environment, and Forest, Government of India regarding protected area of Sultanpur National Park in District Gurgaon.
  16. Change of land use permission/license/NOC certificate from the Town & Country Planning Department or respective Municipal or other Authority or Panchayat as the case may be.
  17. Lease deed/ Rent Agreement duly registered with revenue authorities, in case land is taken on lease/rent.
  18. Site plan of the unit in case it is located outside approved industrial area.
  19. Environment Statement in Form V for the financial year ending on 31st March. (required in compliance of Rule 14 of EP Rules, 1986).
  20. Proof of submission of updated safety audit report duly audited with the help of an expert, annually and up to date onsite emergency plan alongwith report of the mock drill of the same to Chief Inspector of Factories alongwith copy of the same, in case of industries/projects/establishments handling Hazardous Chemicals having threshold quantities mentioned in schedule II and III of MSIHC, Rules, 1989 and covered under rule 10 & 13 of these Rules. (Required as per instructions of MOEF & CC issued vide letter No. 14-7(382)/2010-HSMD dated 09.03.2016).
  21. Copy of logbook for last 03 months maintained for operation of ETP/STP/APCM for the record of energy and chemical consumption, quantity of effluent at inlet and outlet of ETP/STP supported with readings of magnetic flow meters alongwith quantity of treated effluent recycled/reused in the process, utilized in the premises and discharged, mode of disposal.

**Declaration by the applicant for obtaining CTE for expansion of the project.**

I, \_\_\_\_\_ S/o/D/o/W/o \_\_\_\_\_ resident of \_\_\_\_\_ declare and affirm as under:-

1. That I am the Partner/Director/Manager/Occupier/Proprietor of the unit M/s \_\_\_\_\_.
2. That we are operating pollution control devices in our industry regularly and effectively and meeting the standards prescribed under Environment (Protection) Rules, 1986 for discharge of pollutants into the atmosphere, which will be maintained in future also.
3. That we shall install the required and adequate pollution control devices for the expansion project in our industry before commissioning the production and will also obtain prior consent to operate before starting trial production in our expansion project.
4. In case of the non compliance of the above undertaking or false declaration found at any stage, the Board will be at liberty to forfeit the performance security amounting to Rs. \_\_\_\_\_ deposited along with the CTE application through online payment gateway or in the form of Demand Draft no. \_\_\_\_\_ dated \_\_\_\_\_ issued by \_\_\_\_\_ (Bank) besides taking any other legal action under the provision of Water Act, 1974 & Air Act, 1981.
5. That we shall comply with all the terms & conditions of consent to establish to be issued by the Board.

**Deponent/Applicant**

**Dated:**

**Performa for submission of application by the units for change of their name in the record of HSPCB as per the change in the permission granted by the competent authority.**

**(In case of change of name of unit without change in ownership/process/raw material/products)**

1.	Name & address of the unit registered with the Board	:	
2.	New name of the unit after change as per registration certificate issued from the registration authority i.e. Deptt. of Industries & Commerce/Registrar of companies/Societies etc.	:	
3.	Name and designation of authorized signatory of the applicant unit.	:	
4.	Reasons for the change in the name of the unit	:	
5.	Competent authority for change of name of the unit	:	
6.	Date and authority granted the permission for change of name	:	
7.	Status of CTO/authorization of the old unit with validity if granted; (a) Under Water Act, 1974 (b) Under Air Act, 1981 (c) Under HOWM Rules, 2008/2016 (d) Any other applicable Rules	:	
8.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	:	
9.	Capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit.	:	
10.	Detail of CTE/NOC fees; (i) Applicable (in Rs.) (ii) Deposited amount with detail of DD No., date and Bank/online transaction no./date. (iii) Balance amount, if any	:	
11.	Manufacturing process, raw materials and products of the unit.	:	
12.	Detail of change in name, ownership or transfer of interest of the unit, if any done in the past	:	
13.	Detail of supporting documents attached (as	:	

	per checklist)	
14.	<p>Declaration;</p> <p>(i). That I am the authorized signatory of my unit to submit this application.</p> <p>(ii). That there is/will be no change in the ownership/ manufacturing process /raw materials/ products of the industry and in case of any such change is proposed in future, prior consent to establish and/or other required permissions will be taken from the HSPCB.</p> <p>(iii). That we shall comply with all the terms and conditions what so ever imposed by the Board while giving permission for change of name of the unit in the record of HSPCB.</p>	

Date:

Place:

(Signature)  
 Authorized Signatory  
 (as per column no. 3

**Checklist of supporting documents to be submitted by the unit**

1. Power of attorney/authorization letter
2. Copy of latest CTO/Authorization
3. Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, with changed name of the unit.
4. Proof of NOC/CTE fees deposited.
5. Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, attested by CA.

**Performa for recommendation of Regional Officer regarding grant of permission for change of name of unit in record of HSPCB as per the change in the permission granted by the competent authority.**

**(In case of change of name of unit without change in ownership/process/raw material/products)**

1.	Name & address of the unit registered with the Board	
2.	New name of the unit after change as per registration certificate submitted by the unit issued from the registration authority.	
3.	Competent authority for change of name of unit	
4.	Reasons for the change in the name of the unit.	
5.	Status of Consent to establish/operate and authorization (as applicable) with validity if granted.	
6.	Date and authority granted the permission for change of name	
7.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	
8.	Whether deposited the required and applicable CTE/NOC fees (Yes/No)	
9.	Amount of CTE/NOC fees deposited and mode of payment alongwith balance NOC fee if any.	
10.	Date of receipt of application and subsequent clarification submitted (if any) in Regional Office.	
11.	Date of submission of recommendation to Head Office.	
12.	Status of Registration of new name of unit with concerned authorities.	
13.	Detail of supporting documents submitted by the unit and attached with recommendation.	
14.	Whether submitted all the required documents by the unit as per checklist. If not then submit the detail of such documents not submitted.	
15.	Manufacturing process / raw materials /products of the unit.	
16.	Whether there is any change in the ownership, manufacturing process, raw material and products of the unit.	
17.	Recommendation of Regional Officer.	

Dated: \_\_\_\_\_

Regional Officer  
\_\_\_\_\_ Region

**Performa for submission of application for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB**

**(Without change in process/raw material/products)**

1.	Name & address of the existing unit registered with the Board	:	
2.	Name of the new unit transferred interest of the existing unit as per registration certificate issued from the registration authority i.e. Deptt. of Industries & Commerce/Registrar of companies/Societies etc.	:	
3.	Name and designation of authorized signatory of the applicant unit.	:	
4.	Competent authority for registration of name of unit.	:	
5.	Date and authority where the unit registered its name.	:	
6.	Status of CTO/authorization of the existing unit with validity if granted; (a) Under Water Act, 1974 (b) Under Air Act, 1981 (c) Under HOWM Rules, 2008/2016 (d) Any other applicable Rules	:	
7.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	:	
8.	Capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, in case unit is taken on lease/ rent/mortgaged or based upon sale deed registered with revenue authorities, in case the existing unit has been sold.	:	
9.	Detail of CTE/NOC fees; (i) Applicable (in Rs.) (ii) Deposited amount with detail of DD No., date and Bank/online transaction no./date. (iii) Balance amount, if any	:	
10.	Detail of change in ownership	:	
11.	Manufacturing process/raw materials/products of the unit.	:	
12.	Detail of change in name, ownership or transfer of interest of the unit, if any done in the past	:	
13.	Detail of supporting documents attached (as per checklist)	:	

14.	<p><b>Declaration;</b></p> <p>(i). That I am the authorized signatory of my unit to submit this application.</p> <p>(ii). That there is/will be no change in the manufacturing process / raw materials /products of the industry and in case of any such change is proposed in future, prior consent to establish and/or other required permissions will be taken from the HSPCB.</p> <p>(iii). That we shall comply with all the terms and conditions what so ever imposed by the Board while transferring the consent/other clearances and giving permission for replacement of name of the unit in the record of HSPCB.</p>	
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**Date:**

**Place:**

(Signature)  
Authorized Signatory  
(as per column no. 3)

**Name & address of  
applicant unit:**

**Checklist of supporting documents to be submitted by the unit**

- a) Power of attorney/authorization letter
- b) Copy of latest CTO/Authorization
- c) Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, in favour of the new unit.
- d) Proof of NOC/CTE fees deposited.
- e) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, in case unit is taken on lease/rent/mortgaged or based upon sale deed registered with revenue authorities, in case the existing unit has been sold.
- f) Copy of sale deed/rent deed/mortgaged deed/lease deed etc. as applicable registered from revenue authorities.
- g) Copy of fresh memorandum of article & association or partnership deed or proof of proprietorship, as the case may be of the new unit, transferred the interest of the industry.





**Performa for recommendation of Regional Officer regarding grant of permission for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB**

**(Without change in process/raw material/products)**

1.	Name & address of the applicant unit	
2.	Name & address of the existing unit registered with the Board	
3.	Name of the new unit transferred interest of the existing unit as per registration certificate issued from the registration authority.	
4.	Competent authority for registration of name of unit.	
5.	Date and authority where the unit registered its name.	
6.	Status of Consent to establish/operate and authorization (as applicable) with validity if granted.	
7.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	
8.	Whether deposited the required and applicable CTE/NOC fees (Yes/No)	
9.	Amount of CTE/NOC fees deposited and mode of payment alongwith balance NOC fee if any.	
10.	Date of receipt of application and subsequent clarification submitted (if any) in Regional Office.	
11.	Date of submission of recommendation to Head Office.	
12.	Status of Registration of name of new unit with concerned authorities.	
13.	Detail of supporting documents submitted by the unit and attached with recommendation.	
14.	Whether submitted all the required documents by the unit as per checklist. If not then submit the detail of such documents not submitted.	
15.	Manufacturing process / raw materials /products of the unit.	
16.	Whether there is any change in the manufacturing process / raw material /products of the unit.	
17.	Recommendation of Regional Officer.	

Dated: \_\_\_\_\_

Regional Officer  
\_\_\_\_\_ Region

**Performa for submission of proposal by the concerned Branch in Head Office dealing with consent management for the cases of permission for change of name of the units or for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB.**

1.	Subject:- (Type of case; Whether for grant of permission for change of nomenclature (name) of the unit without other changes <b>or</b> for transfer of consent and interest from one industry to another industry due to sale or other reasons and replacement of their name and ownership in the record of HSPCB.)	
2.	Regional Officer submitting the recommendation alongwith recommendation.	
3.	No. and date of letter vide which recommendation submitted	
4.	Date of receipt of application in Regional Office	
5.	Date of receipt of the case in Head Office	
6.	Name & address of the applicant unit	
7.	Name of the existing unit already registered with HSPCB	
8.	New name of the unit after change as per registration certificate submitted by the unit issued from the registration authority. (in case of change of name without other changes) <b>Or</b> Name of the new unit transferred interest of the existing unit as per registration certificate issued from the registration authority.	
9.	Whether deposited required and applicable NOC fee as per report of RO.	
10.	Status of CTO under Water Act/Air Act and authorization with validity if granted.	
11.	In case CTO/authorization applied and not decided then name of the unit (existing or new) applied CTO.	
12.	Whether submitted all the required documents as per checklist.	
13.	In case of shortcomings in the documents, detail of such documents	
14.	Status of Registration of new name/ new unit's name with competent authority with date	
15.	Competent authority for registration of name of unit.	

16.	Detail of change in name, ownership or transfer of interest of the unit, if any done in the past	
17.	Manufacturing process/raw materials/products of the unit.	
18.	Observation of the Branch.	
19.	Proposal of the Branch.	

**Checklist of documents**

- 1. For only change of nomenclature (name) of the unit in the record of the Board:**
  - (a) Power of attorney/authorization letter
  - (b) Copy of latest CTO/Authorization
  - (c) Self declaration regarding no change in the ownership process/raw material/products of the unit.
  - (d) Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, with changed name of the unit.
  - (e) Proof of NOC/CTE fees deposited.
  - (f) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, attested by CA.
  
- 2. For transfer of interest of a person in his industry to any other person or Where an existing unit is purchased or taken on lease by another unit and the new unit apply to the Board for grant or renewal of CTE/CTO in his name:**
  - (a) Power of attorney/authorization letter
  - (b) Copy of latest CTO/Authorization
  - (c) Copy of fresh registration certificate issued from Industries & Commerce Department or from Registrar of Companies/societies or from any other concerned authority, as the case may be, in favour of the new unit.
  - (d) Proof of NOC/CTE fees deposited.
  - (e) Proof of capital investment cost of the unit on land, building, plant & machinery (without depreciation) based upon latest balance sheet of the unit, in case unit is taken on lease/rent/mortgaged or based upon sale deed registered with revenue authorities, in case the existing unit has been sold.
  - (f) Copy of sale deed/rent deed/mortgaged deed/lease deed etc. as applicable registered from revenue authorities.

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**Agenda Item No. 178.23****Fixing of the timeline for clearing applications for approvals granted by HSPCB.**

The Board in its 173<sup>rd</sup> meeting held on 29.09.2015, vide agenda item no. 173.34, prescribed the timeline for clearing the applications for consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and applications for authorization under Hazardous Waste (MH & TM) Rules, 2008, which was implemented vide order Endst. No. HSPCB/PLG-/2015/3735-3758 dated 20.10.2015 (**Annexure-I**). The time limit for clearing the applications for grant of consent to establish under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 was further reduced to maximum 60 days vide order Endst. No. HSPCB/PLG-139/2016/5788-5813 dated 02.03.2016 (**Annexure-II**) in view of requirement of Business Action Plan, 2016 issued by Department of Industrial Policy and Promotion for ease of doing business.

The Director of Industries of Commerce Haryana has informed vide his Memo no. IPC/2017/283 dated 28.03.2017 (**Annexure-III**) that it has been decided during the meeting of Hon'ble Chief Minister with Deputy Commissioners during inauguration of office of single roof solution in Panchkula that maximum time to be taken for grant of approvals by any Dept./ Board/Corporation (with or without additional information) will be not more than 45 days (30 days if no additional information is sought & 15 more days if additional information is required). After 45 days, deemed clearance certificate will be granted by Executive Empowered Committee/District Level Clearance Committee constituted by Department of Industries and Commerce.

Principal Secretary to Govt. of Haryana, Department of Industries & Commerce and Electronics & Information Technology vide D.O. No. PS/PSI/2017/74 dated 17.03.2017 (**Annexure-IV**) further informed that in the meeting regarding ease of doing business held on 19.01.2017, time period of clearances given by the departments of the State Government shall be restricted to 30 days and all the departments shall align their time period for grant of clearances in line with Government orders in this behalf. It is also decided that all the industrial/enterprise related service pertaining to State, will be provided within maximum of 30+15=45 days, where 15 days is the maximum time frame for seeking additional information. It was reemphasized that onus of obtaining additional information lies with the department.

The matter was examined by the Technical Advisory Committee (TAC) of the Board in its meetings held on 10.08.2017, 09.10.2017 and 16.11.2017 and it was observed that after implementation of inspection policy, the requirement of inspection of the industries for processing the cases of CTE and renewal of CTO has been eliminated and inspection is required only for processing the applications for first CTO or the applications received after refusal of CTO. After detail deliberation,

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the committee recommended the amended timelines in view of above, for processing and deciding the applications for CTE and CTO under Water Act, 1974/Air Act, 1981 and for other clearances granted by the Board under various Acts/Rules, as 30 days in case the applications received are complete and maximum 45 days in case the application submitted by the units are found incomplete which includes the additional time for seeking the clarification and additional information from the units. The recommendation of the TAC has been accepted by the competent authority of the Board.

It is therefore proposed that the above recommendation of the TAC of the Board may be adopted and implemented for processing and deciding the applications for CTE and CTO under Water Act, 1974/Air Act, 1981 and for other clearances granted by the Board under various Acts/Rules, as 30 days in case the applications received are complete and maximum 45 days in case the application submitted by the units are found incomplete which includes the additional time for seeking the clarification and additional information from the units.

Submitted for approval of the Board.

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## HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR-6, PANCHKULA

Ph-2577870-73 E-mail: hspcb.sec1@gmail.com

### OFFICE ORDER

Whereas the Board is processing all the applications for consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and for authorization under Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 through online consent management and monitoring system (OCMMS)

Whereas the time period has been prescribed by the Board for processing the applications for consent to establish (CTE) and consent to operate (CTO) under Water Act, 1974 and Air Act, 1981 at the different levels of concerned officers of the Board vide resolution no. 170/13 dated 18.02.2014 and orders were issued vide Enst. No. HSPCB/PLG/2014/10134-52 dated 05.03.2014

A meeting of officers was held on 02.09.2014 under the Chairmanship of Chairman HSPCB wherein it was desired that the timeline given to officers for deciding the applications in the OCMMS be revised and made exhaustive and realistic. The minutes of the same were circulated vide letter no. 478-85 dated 04.09.2014

The matter was examined by TAC (Policy) in its meeting held on 29.09.2014 and 30.09.2014 and the TAC recommended to review time schedule for clearing the Consent to Establish/Consent to Operate application at the level of different officers dealing with consent management as under

#### (i) Consent to Establish (CTE) under Water Act, 1974/ Air Act, 1981

- |   |                                                                                                               |                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1 | Time period given to Regional Office for sending the recommendation to H.O.                                   | Maximum 45 days from the date of receipt of application                                                                     |
| 2 | Scrutiny at H.O. level                                                                                        | Within 10 days from the date of receipt of the case from Regional Office                                                    |
| 3 | In case the application is referred back to the Regional Office for compliance of observations raised by H.O. | Regional Office will submit complete case in all respect to Head Office within 15 days from the date of receipt of the case |
| 4 | Decision of the case at Head Office                                                                           | Within 15 days from the date of receipt of the case from Regional Office                                                    |

#### (ii) Consent to Operate (CTO) under Water Act, 1974/ Air Act, 1981 and authorization under Hazardous Waste (M&H) Rules, 2008

- |   |                                                                                                                                            |                                                                                                                             |
|---|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1 | Time period given to Regional Office for sending the recommendation to H.O. (including scrutiny, inspection, sampling and analysis report) | Maximum 45 days from the date of receipt of application                                                                     |
| 2 | Scrutiny at H.O. level                                                                                                                     | Within 10 days from the date of receipt from Regional Office                                                                |
| 3 | In case the application is referred back to the Regional Office for compliance of observations raised by H.O.                              | Regional Office will submit complete case in all respect to Head Office within 15 days from the date of receipt of the case |
| 4 | Decision of the case at Head Office                                                                                                        | Within 15 days from the date of receipt from Regional Office                                                                |

Whereas the matter was placed before the Board in its 173<sup>rd</sup> meeting held on 29.09.2015 and the Board vide resolution no. 173/34 has approved the recommendations of TAC(Policy) regarding time schedule for clearing the Consent to Establish / Consent to Operate application at the level of different officers dealing with consent management. The minutes of the meeting were circulated vide letter No. HSPCB/Estt./2015/EG-36/6437-54 dated 01.10.2015

In view of above, it is hereby ordered that the officers dealing with Consent Management will adhere to the time schedule for clearing the consent to establish

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consent to operate applications as per the recommendations of TAC (Policy) in its meeting held on 29.09.2014 and 30.09.2014 and the approved by the Board in its 173<sup>rd</sup> meeting vide resolution no. 173/34

These orders shall come into force with immediate effect.

Dated Panchkula, the  
19<sup>th</sup> October, 2015

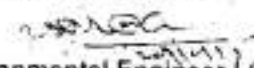
Anurag Rastogi, IAS  
Chairman

Endst. No. HSPCB/PLG/2015/3735-3758

Dated: 28/10/15

A copy of the above is forwarded to the following for information and necessary action:-

1. All Branch Incharges in Head Office
2. All Regional Officers in the field
3. PS to Chairman/ PA to Member Secretary for information of the officers
- ✓ Nodal Officer (IT) for uploading the orders on the website of the Board.

  
Sr. Environmental Engineer-I (HQ)  
For Chairman



23/5/182

Annexure - II



## HARYANA STATE POLLUTION CONTROL BOARD

C-11, SECTOR-6, PANCHKULA

Ph-2577870-73 E-mail: hspcbhr@gmail.com

### Office Order

Whereas the Board is processing all the applications for consent to establish and consent to operate under Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and for authorization under Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 through online consent management and monitoring system (OCMMS).

Whereas the time period has been prescribed by the Board for processing the applications for consent to establish (CTE) and consent to operate (CTO) at the different levels of concerned officers of the Board vide resolution no. 173.34 dated 29.09.2015 and orders were issued vide Endst. No. HSPCB/PLG/2015/3735-58 dated 29.10.2015.

A meeting of officers was held on 23.02.2016 under the Chairmanship of Chairman HSPCB wherein it was decided that the timeline given to officers for deciding the applications on the OCMMS be further revised in view of State Business Reform Action Plan, 2016 issued by Department of Industrial Policy & Promotion, for ease of doing business and the following time schedule had been recommended for clearing the Consent to Establish/Consent to Operate application at the level of different officers dealing with consent management.

#### (i) Consent to Establish (CTE) under Water Act, 1974/ Air Act, 1981

1. Time period given to Regional Office for scrutiny the receipt of application recommendation to Head Office	Maximum 30 days from the date of receipt of the case from Regional Office
2. Scrutiny at H.O. level.	Within 10 days from the date of receipt of the case from Regional Office
3. In case the application is referred back to the Regional office for compliance of observations raised by H.O.	Regional Office will submit complete case in all respect to Head Office within 10 days from the date of receipt of the case.
4. Decision of the case at Head Office	Within 10 days from the date of receipt of the case from Regional Office

In view of above, it is hereby ordered that the officers dealing with Consent Management will adhere to the time schedule for clearing the consent to establish applications.

These orders shall come into force with immediate effect.

Dated Panchkula, the  
1<sup>st</sup> March, 2016

Anurag Rastogi, IAS  
Chairman

Endst. No. HSPCB/PLG-139/2016

Dated: 23/5/182

A copy of the above is forwarded to the following for information and necessary action:

1. All Branch Incharges in Head Office
2. EE-IT to make necessary changes in the OCMMS.
3. All Regional Officers in the field.
4. PS to Chairman, PA to Member Secretary for information of the officers.
5. Nodal Officer (IT) for updating the website on the website of the Board.

Sr. Environmental Engineer-I (HQ)  
For Chairman

23/6/183 Amrinder - 41

Meeting  
On 30.3.2017  
At 10.00 AM  
Under CS Haryana

From

The Director of Industries & Commerce, Haryana,  
30 Bays Building, Sector-17, Chandigarh.

To

1. The Additional Chief Secretary to Govt. Haryana, Health Department
2. The Additional Chief Secretary to Govt. Haryana, Food, Civil Supplies and Consumer Affairs Department
3. The Additional Chief Secretary to Govt. Haryana, Environment Department
4. The Chairman, Haryana State Pollution Control Board, Panchkula
5. The Additional Chief Secretary to Govt. Haryana, Labour Department
6. The Additional Chief Secretary to Govt. Haryana, Public Health Engineering Department
7. The Additional Chief Secretary to Govt. Haryana, Excise & Taxation Department
8. The Additional Chief Secretary to Govt. Haryana, Power Department
9. The Additional Chief Secretary to Govt. Haryana, Forest & Wildlife Department
10. The Principal Secretary to Chief Minister, Haryana
11. The Managing Director, Haryana State Industrial & Infrastructure Development Corporation, Panchkula
12. The Principal Secretary to Govt. Haryana, New & Renewable Energy Department
13. The Principal Secretary to Govt. Haryana, Power Department
14. The Principal Secretary to Govt. Haryana, Mines & Geology Department
15. The Principal Secretary to Govt. Haryana, Agriculture Department
16. The Principal Secretary to Govt. Haryana, Water Resources, Panchkula Department.
17. The Chief Administrator, Haryana Urban Development Authority, Panchkula.
18. The Principal Secretary to Govt. Haryana, Urban Local Bodies Department
19. The Director, Haryana Aqueous Department, Haryana
20. The Commissioner, Food & Drug Administration, Haryana
21. The Director, ICDL, Chandigarh
22. The SIO, NIC, Haryana

23/7/484

23. Sh. Kamlesh Maheshwari, Sh. Vishal Monga, Consultant, KPMG

Memo No. IPC/2017/283

Dated: Chandigarh the 28<sup>th</sup> March 2017

**Subject:** Meeting for discussing Ease of Doing Business to be held on 30.03.2017 at 10:00 AM under the Chairmanship of Chief Secretary, Haryana in the Main Committee Room, 4<sup>th</sup> Floor, Haryana Civil Secretariat, Chandigarh.


Sir/Madam,

Kindly refer to the subject noted above.

I am directed to inform that a meeting shall be held under the Chairmanship of Chief Secretary, Haryana on 30.03.2017 at 10.00 AM in the Main Committee Room, 4<sup>th</sup> Floor, Haryana Civil Secretariat, Chandigarh, for discussing Ease of Doing Business.

Agenda for the meeting is enclosed.

It is requested to kindly attend the meeting as per above schedule.

  
Joint Director IPC

For Director of Industries & Commerce, Haryana

CC:

1. PS to CS for the kind information of worthy Chief Secretary, Haryana.
2. PS to PSI for the kind information of worthy PS.
3. PS to DI&C for the kind information of worthy DI&C.
4. Additional Director (IT)
5. Additional Director (HSPC)
6. Administrative Officer, Haryana Civil Secretariat, Chandigarh.

**Agenda of the Meeting for discussing Ease of Doing Business to be held on 30.03.2017 at 10.00 AM under the Chairmanship of Chief Secretary, Haryana in the Main Committee Room, 4<sup>th</sup> Floor, Haryana Civil Secretariat, Chandigarh.**

#### Background

The Ease of Doing Business initiative was launched by the Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry (MoC&I), Government of India (GoI) in 2014 wherein a 98-Point Action Plan for improving the regulatory framework for business was taken up at pan India level. A series of measures to simplify and rationalize the regulatory processes (registration and inspection processes) and introduction of information technology as enabler to make governance more efficient and effective were introduced. During this phase the state was ranked 14 with an implementation score of 40%.

Subsequently a 340-Point Business Reform Action Plan for States and Union Territories (UITS) was circulated by DIPP to all State/UT governments in late October 2015 for further implementation. Haryana achieved an overall rank of 6 amongst all states with an implementation score of 96.95% during this phase.

For 2017, DIPP has rolled out draft business reform action plan having 279 total reforms points together with their sub points. There has been an addition of 8 new departments i.e. Agriculture, Health, Drug control, Food, Mines and Geology and PWD. A total of 42 reform action points together with the sub points are attached in the Annexure 1.

In this regard, 3 meetings have been held with Director of Industries Haryana and all other departments. Further a meeting has also been held with Principal Secretary of Industries and Commerce Haryana.

All suggestions/feedbacks taken from departments in these meetings has been shared with Department of Industrial Policy and Promotion (DIPP) on 3<sup>rd</sup> March'17.

As per communication with Department Of Industrial Policy and Promotion (DIPP) there is going to be some incremental changes in the drafted Business Reform Action Plan 2017 and the final plan will be shared by this week. So, it is further requested to start the implementations of action reforms on this drafted plan only.

#### Agenda Item No 1

Based upon the Business Reform Action Plan 2017 the breakup of 8 new departments with reforms are as follows:

Total Action Reforms: 36

S.No	Department	Implemented	Yet to Implemented	Under Implementation	NA	Total
1	Agriculture	5	20	-	-	25
2	Ayush	1	8	1	-	10
3	Drug Authority	2	5	28	-	35

	(FDA)				
4	Electrical Inspectorate	-	4	1	5
5	Food & Supplies	-	10	-	10
6	Food Authority (FDA)	8	-	2	10
7	Health	1	11	3	15
8	HREDA	6	-	15	20
9	Mines & Geology	-	-	60	60
10	PWD	-	-	2	2
	<b>Total</b>	<b>17</b>	<b>60</b>	<b>110</b>	<b>5</b>
	<b>Total Areas - 36</b>				<b>192</b>

#### Agenda Item No 2

##### (a) Haryana Enterprise Promotion Act (HEPA) Amendments

The objective of the amendment is to cover all the Enterprises related services under the Act and as preparations for 'EODB" ranking by DIPP in 2017, mandate receipt of applications from existing as well as new investors on the single window portal with max time for grant of clearances/ sanctions as 45 days failing which deemed clearances will be granted.

As per the requirement of the current business reform action plan shared by DIPP the following amendments are proposed in the HEPA Act

1.	(1) This Act may be called the Haryana Enterprises Promotion (Amendment) Act, 2017.	Short title and commencement
	(2) It shall be deemed to have come into force with effect from the date of publication in the official gazette.	
2.	In section 2 of the Haryana Enterprises Promotion Act, 2017-	Amendment of section 2 of Haryana Act 6 of 2016.
	(ba) Clause (ba), may be inserted :- "business entity" means an existing enterprise which has set up an enterprise and includes (i) an individual;	

	(ii) a Hindu undivided family; (iii) a company; (iv) a registered firm; (v) a Limited Liability Partnership as per the Limited Liability Partnership Act, 2008 (Central Act 6 of 2009) (vi) an association of persons or a body of individuals, whether incorporated or not, in India or outside India; or (vii) any corporation established by or under any Central, State or Provincial Act or a Government Company as defined under section 2(45) of the Companies Act, 2013 [ Central Act of 2013 ]; or (viii) any body corporate incorporated by or under the laws of a country outside India; or (ix) a co-operative society registered under any law relating to cooperative societies;	
	(a) Clause (c), may be amended as :- "clearances" means grant or issue or renewal of no objection certificate, allotment, consent, approval, permission, registration, enrolment, licence by any authority in connection with the business entity or setting up of enterprise or expansion of existing enterprise in the State; and	
3.	After sub section 3 (viii) in section 4, following sub section 3 (ix) shall be added, (ix) to process online application forms for grant of clearances to the business entities.	Addition in section 4 of Haryana Act 6 of 2016.
4.	After sub section 2 (iv) in section 8, following sub section 2 (vi) shall be added, (vi) to process online application forms for grant of clearances to the business entities.	Addition in section 8 of Haryana Act 6 of 2016.
5.	After Section 9, following Section 9-A and Section 9-B shall be added:- Section 9-A. For all clearances of business entities, online application forms will be made available through single window on the web portal of Industries and Commerce Department. The business entities shall fill in application forms available on the web portal for grant of clearances. On receipt of an application, the Haryana Enterprises Promotion Centre or the District Industries Centres shall process and secure clearances from the authorities as may be prescribed.  Section 9-B. Within six months of date of notification of this Amendment Act, all the services of all the departments relating to enterprises and business entities shall be made online and notified for time bound clearances.	Addition of section 9-A and Section 9-B of Haryana Act 6 of 2016.
6.	Sub section 2 of section 11, may be amended as :- The entrepreneur or business entity may proceed to execute the work or take other action following the deemed clearance.	Amendment of section 11 of Haryana Act 6 of 2016.
7.	Section 12 may be amended as,	Amendment of

The Industries and Commerce Department may notify services and timelines thereof relating to promotion of enterprises in the State from time to time.	section 12 of Haryana Act 6 of 2016.
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**(b) Delegation of Powers for Ease of Doing Business**

For further streamlining the process of clearances with respect to Enterprises/ Business Entities, it is proposed that delegation of powers may be made by the respective departments in the following three tier structure:

Sr. No.	Present Authority	Present authority as per HEP Act 2016	Proposed Authority	Remarks
1.	District Level officers	District Level officers	No change	For projects upto Rs. 10 crore investment or grant of CLU upto 1 acre
2.	Director	Empowered Executive Committee (EEC)	Nodal office of the respective Directorate posted at HEPC	For projects having Rs. 10-100 crore investment or grant of CLU more than 1 acre
3.	Administrative Secretary	Empowered Executive Committee (EEC)	Chairman Empowered Executive Committee (EEC)	For projects having Rs. 10-100 crore investment or grant of CLU above 1 acre
4.	Minister Incharge/ Chief Minister	Haryana Enterprises Promotion Board (HEPB)	Chairman Haryana Enterprises Promotion Board (HEPB)	For projects above Rs. 100 crore investment

It is further proposed that all applications pertaining to clearances for Enterprises/Business Entities would be submitted on the Composite Application Form on the "Investharyana" Portal and would be processed only at DLCC /EEC/HEPB level as per requirement. In case this proposal is approved, the respective departments will have to get the powers delegated to the respective authorities as indicated above within a time bound period.

Agenda Item No 3

Competitive Index

23/12/489

A meeting was held under the chairmanship of Hon'ble Chief Minister, Haryana on 19/01/2017 regarding Ease of Doing Business & it was decided that a competitive index would be developed to rank departments & districts based on three parameters:

- i. Percentage of services delivered in online mode
- ii. Percentage of services delivered within stipulated time
- iii. User satisfaction score.

Also during the inauguration of Haryana Enterprise Promotion Centre (HEPC) on 2nd February 2017, Hon'ble Chief Minister reiterated that the competitive index should be implemented to gauge the quality & performance of the services provided to investors.

In order to capture the status of percentage of Industrial services delivered in online mode a letter was sent to concerned departments on 6th Feb. 2017 along with the format to capture their services along with current status. This is to bring to your notice that the response to the letter is still awaited.

Since the competitive index cannot be implemented in absence of the data, it is requested that the concerned departments provide the required information at the earliest so the process to develop competitive index could be expedited.

Although data is not available but departments have been ranked based on the percentage of approvals that are provided online (data is collated through secondary research). Ranks of the departments would be shared and discussed during the meeting (Ranks based only on the no. of services delivered online).

RANK	Department Name	Number of Approvals	Online via CAF	Online via Dept.	Not Online	Total Services Online	% of Services Online
1	Department of Health Services	1	1			1	100
	Environment Department	2	2			2	100
	Food & Supply Department	1	1			1	100
	HUDA	2	1	1		2	100
	Mines & Geology Department	2	2			2	100
	Power Department	2	2			2	100
	Urban & Local bodies	9	6	3		9	100
2	Haryana State Pollution Control Board	7	6			6	85.71
3	Town and Country	6	5		1	5	83.33



	planning						
4	Industries & Commerce Department	5	3	1		4	80.00
5	Excise & Taxation	4		3		3	75.00
6	HSIIDC	11	6	2	1	8	72.73
7	Forest Department	3	2			2	66.67
8	Labour Department	12	6	1	1	7	58.33
9	Ayush Department	2	1			1	50.00
10	UHBVNL & DHBVNL	2	1			1	50.00

#### Agenda Item No 4

##### Mandate of New Business Applications

As per the decision taken at the meeting held under the chairmanship of Honorable Chief Minister Haryana on 19<sup>th</sup> Jan 2017 it was mandated that departments would not accept fresh application for any new business for next 3 months. Departments are requested to confirm that they have not accepted any new application for business during this period. Departments were also asked to report status of pending applications for sanction/clearance but we have not received any report. It was also decided during meeting of CM with DC during inauguration of office of single roof solution in Panchkula, that maximum time to be taken by any dept./board/corporation (with or without additional information) will be no more than 45 days (30 days if no additional information is sought & 15 more days if additional information is required. After 45 days, deemed clearance certificate will be granted to EEC/DLCC. The solution of compliance of these directions is also required in preparation for 'Ease of doing business' for this year.



23/14/491

Annexure IV

Principal Secretary to Government of Haryana  
Departments of Industries & Commerce and  
Electronics & Information Technology

*[Handwritten signature]*

D.O. No. PS/PSI/2017/100  
Dated 17<sup>th</sup> March 2017

(Khandewal)  
Chairman, HSPCB

DEVENDER SINGH, IAS

MS, HSPCB

TMS - 2756 Subject:

Grant of clearances through 'investharyana' portal decision pursuant to review meeting on Ease of Doing Business and Single Roof functioning held on 19.01.2017 under the chairmanship of Hon'ble Chief Minister.

*[Handwritten: Sr. Secy I AEE (V)]*

Respected Sir,

*[Handwritten: 29/3, 2017, AEE (V)]*

*[Handwritten signature]*

I would like to compliment you for your efforts for successful implementing "Ease of doing Business reforms" in the State. With your cooperation, we have undertaken a number of proactive steps to improve doing business in the State. As a result Haryana improved its rank from 14<sup>th</sup> to 6<sup>th</sup> in the country in the Ease of Doing Business Ranking carried out by Department of Industrial Policy and Promotion, Government of India in 2016.

2. During Review Meeting on Ease of Doing Business and Single Roof Functioning held on 19.01.2017 under the chairmanship of Hon'ble Chief Minister, it was informed that DIPPI has rolled out draft Business Reform Action Plan - 2017 and Hon'ble Chief Minister has directed all Departments to make sincere efforts to secure *Top spot* in the country's EoDB ranking in 2017.

3. It was also decided that all the departments will accept investment applications after 1<sup>st</sup> February 2017 only through investharyana portal initially for a period of three months. All departments shall facilitate investors to fill the composite application form (CAP) on investharyana portal ([www.investharyana.nic.in](http://www.investharyana.nic.in)) or refer the investors to HEPC for handholding assistance. It was further decided that situation will be reassessed after three months and decision will be taken thereafter. I request you once again to take prompt implementation of this decision.

4. It was decided that the time period for grant of clearances given by the departments of the State Government shall be restricted to 30 days and all the departments shall align their time period for grant of clearances in line with Government orders in this behalf. It was also decided that all the industrial/enterprise related services pertaining to State will be provided in maximum of 30 + 15 = 45 days, where 15 days is the maximum timeframe for seeking additional information. It was emphasized that onus of obtaining additional information lies with the concerned department.

Observed by  
Date 28/3/17

13/15/492

5. Further, Hon'ble CM also desired that departments shall share the pendency status of the existing investment applications (applications already received by the departments), by 31<sup>st</sup> January, 2017 with (inlc). I would also request to share the pendency status of existing investment applications in the following format with DI&C - cum-Deputy Secretary, HEPC.

FORMAT FOR PENDING STATUS						
Sr. No.	Company Name	District	Clearance / Service	Original date of Application	Stipulated timeline	Mobile number of applicant

6. The Departments shall also provide access / interface to Industries Department in their web portals so that the information of pending cases can be extracted.

7. You are requested to intimate the list of pending applications by 25.03.2017. In case you do not respond by 25.03.2017, it will be presumed that there is no pendency in your department. We will invite investors of new/ expansion projects through meetings/ industry organizations and through open advertisements to report pending clearances/sanctions, beyond 45 days (with or without additional information), which is the maximum time period allowed to grant clearances. After lapse of time period of 45 days, deemed clearances will be granted by HEPC as per rule 8 (1) & (4) of Haryana Enterprises Promotion Rules, 2016.

8. Haryana Enterprises Promotion Centre (HEPC) forwarded the minutes of the above meeting held on 19.01.2017 vide memo no. HEPC/2017/112 dated 16.02.2017 and requested for Action Report vide subsequent reminders dated 01.03.2017 and 10.03.2017.

9. I would request you to issue suitable directions to the officials of your department to take further action accordingly.

With regards,

Yours sincerely,

(Devendra)

Shri K. K. Khandelwal, IAS  
Chairman Haryana State Pollution Control Board and  
Additional Chief Secretary to Government Haryana,  
Environment Department.