

MAHARASHTRA POLLUTION CONTROL BOARD

Chief, Chhatrapati Shivaji Maharaj
 Mem. Bldg. Bldg., 4th Floor,
 Neta Ramabai Ambedkar Marg,
 Mumbai : 400 001.

No. MPC/B-9879

Date : 19-08-2000

CIRCULAR

सहायक क. नॉलड
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 दिनांक 12.19.2000

Subject : Procedure for Certification About
 Pollution Load.

It has been observed that chemical industries particularly in the field of manufacture of bulk drugs, dyes and dye-intermediates, pesticides etc. are often changing the products-mix due to the market fluctuation. For such change in products and expansion in capacity of the saleable products, they are required to take Consent to Establish from MPC Board and Environmental Clearance from Govt. of India.

As per the notification regarding environmental clearance of Govt. of India, if the State Pollution Control Board certifies that there is no increase in pollution load due to expansion/modernisation of the activity then such expansion/modernisation of existing products can be exempted from obtaining Environmental Clearance from Govt. of India.

Similarly, as per the letter issued by Env. Deptt. Govt. of Maharashtra, for any new chemical unit or expansion to be set up in TTC area, increase in pollution load is required to be worked out and submitted to Environment Deptt. for deciding whether the unit can be allowed to come up or not or expansion/diversification/substitution can be allowed or not.

Similarly, in Zone-I of Mumbai Metropolitan Region diversification/substitution/modernization of existing units is allowed subject to no increase in pollution load.

The Board had earlier appointed a committee for examining the proposal of expansion/modernization/substitution for industries in Zone-I of MMR comprising of experts. However, in view of the requirement of working out pollution load increasing day by day, it is necessary to take the services of experts from educational institutions like IIT, VIT, UDCT and other engineering colleges and regional engineering colleges in the State and research institutions like PARC, National Chemical Laboratory etc. for certifying the pollution load.

The issue was discussed in the 120th meeting of the Board held on 09.03.2001, when the procedure to be followed was finalised.

The following procedure should be followed for Certification about Pollution Load, pursuant to the decision in the Board meeting.

- 1) In case the industry is claiming that there is no increase in pollution load, the application for expansion/modernisation/substitution etc. as received from the industry alongwith details about pollution load generated by new products, expansion and the old products will be examined by the concerned senior technical officers of MPC Board. If there are clear cut indications that there is no increase in pollution load, a certificate to that effect may be issued by the Board on the basis of the report prepared by the technical officer of the Board only after the approval of Chairman/Member Secretary of MPCB and Deputy Secretary (Tech. Her. s. valant officer), Environment Dept., Govt. of Maharashtra.
- 2) In case, it is felt necessary that the proposal needs examination by an expert in the field, the case will be referred to an expert in the field preferably through the head of concerned educational institution or research institution of repute as may be decided by Chairman and Member Secretary of the Board. On the basis of the report received from the expert from such an institution, certificate regarding pollution load will be issued by the Board. Chairman and Member Secretary are authorized to refer the case to a suitable expert from the relevant field. The necessary data and services as may be required by expert will be provided by the Board for proper examination of the proposal for expansion/modernisation/substitution.
- 3) The proforma for giving information about pollution load is enclosed.


Member Secretary

118/-

Copy submitted for information to -

Chairman, MPCB, Mumbai.

Copy f.w.cs.to

Dy. Secretary (Tech.), Environment Dept., Govt. of Maharashtra
Opp. Mantralaya, Mumbai - 32.

Copy f.w.cs.to -

MPAE/APAE/R.O. (HQ), MPCB, Mumbai.

Regional Officer - Thane/Kalyan/Mumbai/Raigad/Navi Mumbai/Pune
/Kolhapur/Nashik/Aurangabad/Nagpur/Amravati

Sub-Regional Officer - HQ - (Air)/Water/Saake/Cess/Thane
/Tarapur/Mumbai-I/II/III/Kalyan-I/II/Navi Mumbai-I/II/
Raigad-I/II/Pune/Pimpri Chinchwad/Satara/Sangli /Kolhapur
/Ratnagiri/Nagpur-I/II/Aurangabad/Amravati/Akola/Wanded

Law Officer (D)/Law Officer (G)

P R O F O R M A

(For assessment/computation of pollution load)

An applicant industry proposing to go in for expansion/substitution of its manufacturing activity shall submit information in this prescribed proforma.

1. Applicant's Name :

Designation :

Telephone No. :

Fax No. :

2. Industry's Name :

Address :

Telephone No. :

Fax No. :

*
3. Name of proposal :

i) Expansion

ii) Substitution

iii) Partly expansion &
partly substitution

*

(Strike out what is not applicable).

4. Details of Pollution generated -

(Information for various categories to be given at source, i.e. before treatment. Indicate additional relevant parameters/pollutants, if not stated).

I. WASTE WATER :

Before expansion
and/or
substitution.

After Expansion
and/or
substitution.

1) Total quantity of
industrial effluent :

3
(m /day)

2) Suspended Solids
(mg/l)

(kg/day)

3) Dissolved Solids
(mg/l)

(Kg/day)

(For disposal in inland
surface waters/waters
used as source of
public water supply
or on land for irri-
gation).

4) BOD, 5 days 20° C
(mg/l)

(Kg/day)

5) C.O.D.
(mg/l)

(kg/day)

6) Oil & Grease
(mg/l)

(Kg/day)

7) Hexavalent Chromium :
(mg/l)

(Kg/day) :

8) Cyanide (mg/l) :

(Kg/day) :

9) Phenolic Substances :
[as C₆H₅OH]

(mg/l)

(Kg/day) :

10) Heavy Metals :
(mg/l)

(Kg/day) :

(State each metal
and give figures
separately)

11) Bio-assay (Toxicity) :
test on fish

(Percentage survival in
96 hours with 100%
effluent).

12) Mode of disposal of
treated effluents and
fixed discharge point :

Before expansion
and/or
substitution.

After Expansion
and/or
substitution.

II. AIR EMISSIONS

A) From fuel burning -

- 1) Number of stacks/
vents :
 - 2) Type of fuel and
its quantity :
(Separately for each
one)
 - 3) Particulate matter :
3
(mg/Nm³)
(Kg/day) :
 - 4) Sulphur Dioxide
3
(mg/Nm³) :
(Kg/day) :
- [Mention rate of emission on the basis of calculation]

B) From Process -

- 1) Number of stacks/
vents :
- 2) Pollutant
3
(mg/Nm³) :
(kg/day) :
(Furnish information for
each relevant pollutant
such as SPH, RSPH, SO₂
NOx, Lead, Fluoride,
HCl, CO, H₂S, Asbestos
2
dust, Chlorine, etc.
Separately mentioning rate
of emission on the basis of
calculation).

Before expansion
and/or
substitution.

After Expansion
and/or
substitution.

III. HAZARDOUS WASTE :

[As specified under Hazardous Wastes
(Management & Handling) Rules, 1989]

1. a) Category No.
(Kg/year)

b)

[Furnish information for each
relevant category, out of 18
waste categories, separately]

2. Mode of treatment/disposal
including transport and
storage in each case referred
above separately.

IV. SOLID WASTE

1) From process (Tonnes/year)

2) From pollution control
facility (Tonnes/year)

3) Mode of treatment/disposal
including transport and
storage in each case
referred above separately.

NOTE : Information relating to item No.4 above should be
given with reference to each product separately or
for a group of products manufactured per day in
case there is wide variation in manufacturing
pattern. Please take into account the worst or
the most polluting scenario.

- 4) Additional power required : HP/KVA
- 5) Additional water required : 3 m /day
- 6) Additional labour required: per shift
- Total

7) Additional capital investment on actuals/estimated (in Rupees) on -

- i) Land
- ii) Building
- iii) Plant & Machinery

	Before expansion and/or substitution	After expansion and/or substitution.
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8) i) List out the hazardous chemicals being used and their quantities. As defined under 'Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989' under Environment (Protection) Act, 1986]

- a)
- b)
- c)

ii) Whether any isolated storage is proposed

Yes/No

(If yes, indicate details)

(= Strike out what is not applicable.)

- 9) List of raw materials with quantities, preferably separately for each product or a group of products wherever possible.
- 10) Furnish a flow diagram of manufacturing process for each product or a group of products showing input and output in terms of products and wastes (air, water, solid) generated including for captive power generation and demineralised water. The inputs shall include water, steam etc., also.
- 11) Present and proposed method of treatment and disposal of effluent.
- 12) Present and proposed method of control of air emissions.

Signature :
Name :
Designation :
Address :