



# **Tamil Nadu Pollution Control Board**

**AND**

**You**

**A Hand Book of Ready Reference  
for Entrepreneuers**

**POLLUTION PREVENTION PAYS**

**P.M. BELLIAPPA, I.A.S.,**

Tamil Nadu  
Pollution Control Board  
Madras-600 004

## **FOREWORD**

I am happy to present this publication, which is one more in the series, brought out by the Board, for the benefit of Industry. This compilation has all relevant and important details/orders relating to Pollution Control and Environmental Protection, which entrepreneurs would need to know in their day-to-day operations. It is our hope that this would prove useful as a ready reference, and clarify many doubts, about the Tamil Nadu Pollution Control Board's approach.

It is always difficult to decide how much to leave out, and how much to include. Your suggestions are always welcome.

**P.M. BELLIAPPA I.A.S.,**  
**CHAIRMAN.**  
Tamil Nadu Pollution Control Board

Tamil Nadu  
Pollution Control Board  
Mars-600 004

P. M. BELLAPPA I.A.S.

## FOREWORD

I am happy to present this publication, which is one more in the series brought out by the Board for the benefit of industry. The compilation has all relevant and important details relating to Pollution Control and Environmental Protection, which entrepreneurs would need to know in their day-to-day operations. It is our hope that this would prove useful as a ready reference, and clarify many doubts about the Tamil Nadu Pollution Control Board's approach.

It is always difficult to decide how much to leave out and how much to include. Your suggestions are always welcome.

P. M. BELLAPPA I.A.S.  
CHAIRMAN  
Tamil Nadu Pollution Control Board

**1.0 INTRODUCTION:**

The Tamil Nadu Pollution Control Board enforces the following regulatory enactments on Environment and Pollution Control.

i. Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988.

ii. Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987.

iii. Water (Prevention and Control of Pollution) Cess Act, 1977. and

iv. Environment (Protection) Act, 1986.

**2.0 Siting new industries:** Guidelines have been evolved for siting new industries prescribing the distance from sensitive areas and restricting certain industries within 1 km from specified water sources. Details may be seen in ANNEXURE I & II.

7-16

**3.0 Salient features of the water (Prevention and Control of Pollution) Act, 1974 as amended in 1988.**

Section 17: Empowers the Board to lay down standards for sewage/trade effluent.

Section 21: Empowers the Board to collect samples of Sewage/Trade effluent from any industry.

Section 24: Prohibits the pollution of stream or well or sewer or on land by disposal of polluting matter etc.

Section 25  
26: Consent of the Board for establishment of any industry and for discharge of Sewage/Trade effluent into any stream or well or sewer or on land to be obtained.

- Section 28: Provides for appeal against the orders of the Board under Section 25 or 26 or 27. Appeal has to be made to the Appellate Authority C/o Secretary to Government Environment and Forests Department, Madras within thirty days of the date of communication of the order.
- Section 30: Empowers the Board to carry out certain works when the concerned industry has failed to carry out the directions of the Board and to recover the cost from that industry.
- Section 31: Requires furnishing of information to State Board about accidental discharge of poisonous, noxious or polluting matter.
- Section 32: Empowers the Board to take action at the presence of noxious or polluting matter in any stream or well or sewer or on land and issuing orders restraining or prohibiting the discharge of any such matter into any stream or well or sewer or on land.
- Section 33(A): Empowers the Board to issue direction for closure of the industry or for stoppage of electricity, water or any other service.
- Section 43: **Contravention of Section 24 shall be punishable with imprisonment for a term not less than one year and six months but which may extend to six years and with fine**
- Section 44: **Contravention of Section 25 or Section 26 shall be punishable with imprisonment for a term not less than**

one year and six months but which may extend to six years and with fine

#### 4.0 Procedure for obtaining Consent of the Board under Section 25/26.

Consent of the Board has to be obtained for establishment of an industry /discharge of sewage/trade effluent by new industries under Section 25 and for discharge of sewage/trade effluent under Section 26 by existing industries. Details at ANNEXURE-III.

- |  |       |
|--|-------|
|  | 17    |
| 4.1: Address of Regional Officers of the Tamil Nadu Pollution Control Board. | 18    |
| 4.2: Address of District Officers of the Tamil Nadu Pollution Control Board. | 19-21 |
| 4.3: Consent Fee rates under Water Act.                                      | 22    |
| 4.4: Consent Fee rates under Air Act.  | 23    |
| 4.5: List of Industries under "RED" Category.                                | 24-27 |
| 4.6: List of Industries under "ORANGE" Category.                             | 28-30 |
| 4.7: List of Industries under "GREEN" Category.                              | 31-33 |
| 4.8: List of Industries whose Category has been modified.                    | 34    |
| <b>5.0 Standards for Trade effluents:</b>                                    |       |

The Board has evolved standards for trade effluents depending upon the mode of disposal into inland surface waters, sewer, marine coastal areas or on land for irrigation. Treated effluent from the industries must satisfy these standards. Details at ANNEXURE IV.

35-39

5.1: Standards for the emission pollutants. ANNEXURE V 42

**6.0 Salient features of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987.**

- Section 17: Empowers the Board to laydown Emission and Ambient Air quality standards in consultation with Central Pollution Control Board. These standards are furnished in ANNEXURE VI 45-49
- Section 19: Entire State of Tamil Nadu declared as Air Pollution Control Area.
- Section 21: Requires the Industries to obtain the Consent from the State Pollution Control Board to establish or operate the unit in the Air Pollution Control Area.
- Section 22(A): Expowers the Board to seek intervention of Court to restrain emissions exceeding the standards.
- Section 23 and Rule 10: Require the industries to furnish information on the emission in excess of the standards laid down to the Board, the Collector of the District, the Revenue Divisional Officer, the Executive Authority of the Local Body and the nearest Police Station.
- Section 31: Provides for appeal against the orders of the Board.
- Section 31(A): Empowers the Board to issue direction for closure, prohibition or regulation of any industry, operation or process or the stoppage or regulation of supply of electricity, water or any other service.
- Section 37: **Failure to comply with the provisions of Section 21 or Section 22 or directions issued under Section 31A is punishable with imprisonment for**

a term which shall not be less than one year and six months, but which may extend to six years and with fine. Continued offence is punishable with an additional fine which may extend to five thousand rupees for every day during which such failure continues.

If the offence continues beyond one year after the date of conviction, the offence is punishable with imprisonment which shall not be less than two years but which may extend to seven years and with fine.

Section 46: No civil Court shall have jurisdiction to entertain any suit or proceeding in respect of any matter which an Appellate Authority constituted under the Air Act is empowered to determine.

#### 7.0 Salient features of Water (Prevention and Control of Pollution) Cess Act, 1977.

Section 3: Provides for levy of cess on specified industries, based on the quantum of water consumed. List of Industries and the rate of cess and furnished in ANNEXURE VII.

54

Section 5: Requires that a monthly return has to be filed on the consumption of water. A format is in ANNEXURE VIII.

55

#### 8.0 Environment (Protection) Act, 1986. The Hazardous Wastes (Management and Handling) Rules, 1989

The Environment (Protection) Act, 1986 is a comprehensive legislation to deal with water, air and land pollution and hazardous wastes and storage, handling and transportation of hazardous chemicals. The Hazardous Wastes (Management and Handling) Rules, 1989 have been notified.

**8.1 Salient Features of the Hazardous wastes (Management and Handling) Rules, 1989 under the Environment (Protection) Act, 1986.**

Rule 5(2): Requires the occupier generating hazardous wastes and having a facility for collection, reception, treatment, transport, storage and disposal of such wastes to apply to the Board in prescribed form for the grant of Authorisation. Form I can be seen in ANNEXURE-IX. 57-58

Rule 5(3): Requires any operator of a facility mentioned in Rule 5(2) to apply in Form I to the Board for the grant of Authorisation for any of the above activities.

Category of hazardous wastes is furnished in ANNEXURE-X. 59-61

9.0 DO'S/DONT'S 62

10. **Small scale Industries kept outside the purview of the Pollution Control legislations.** 63

Small Scale Industries have been representing that those units which do not pose any pollution problems be exempted from the Pollution Control Acts. A Joint Standing Committee formed with representation from Small Scale units and the Tamil Nadu Pollution Control Board considered this issue. A list of Small Scale Industries to be kept outside the purview of the Pollution Control Legislation was approved by the Board. The list of such industries is at ANNEXURE-XI. 64-68

**ANNEXURE-I****GUIDELINES FOR SITING NEW INDUSTRIES**

No new industry to be sited within 1km from water sources mentioned in G.O.Ms.No.213, dated 30.3.89 since Government have imposed total ban on setting up of industries within 1 km of the above water sources. (Govt. order may be seen at pages 8 to 16).

**2. Area to be avoided in siting industries:**

- a) Ecologically and/or otherwise sensitive areas: atleast 25 kms depending on the geo-climatic conditions.
- b) Coastal areas atleast 500m from high tide limit.
- c) Flood plain of the River-line systems; atleast 500m from flood plain or modified flood plain effected by dam in the substream or by flood control system.
- d) Transport/Communication system atleast 500m from highway and railway.

**NOTE:**

Ecological and/or otherwise sensitive areas include (i) Religious and Historic places; (ii) Archaeological Monuments (e.g. identified zone around Mahabalipuram); (iii) Scenic Areas; (iv) Hill Resorts; (v) Beach Resorts; (vi) Health Resorts; (vii) Coastal Species; (viii) Estuaries rich in Mangroves, Breeding Grounds of specific species; (ix) Gulf Areas; (x) Biosphere Reserves; (xi) National Parks and Sanctuaries; (xii) Natural lakes, Swamps; (xiii) Seismic Zones; (xiv) Tribal Settlements; (xv) Areas of Scientific and Geological interests; (xvi) Defence installations, especially those of security importance and sensitive to pollution; (xvii) Border Areas (International) and (xviii) Air ports.

8  
ANNEXURE-II

GOVERNMENT OF TAMIL NADU  
Abstract

ENVIRONMENT CONTROL - Control of Pollution of Water Sources - Location of industries within 1 km. from the embankments of rivers, streams, dams etc. - Imposition of restrictions - Orders - Issued.

-----

ENVIRONMENT AND FORESTS (EC-I) DEPARTMENT

G.O.Ms.No:213

Dated the 30th March 1989.

Read:-

1. G.O.Ms.No:1, Environment Control Dated:6.2.84.
2. From the Member - Secretary, Tamil Nadu Pollution Control Board Lr.No:BMS(1)/18878/88/ Dated:23.8.88.
3. From the Chairman, Tamil Nadu Pollution Control Board Lr.BMS(1)/44365/88/dt.3.11.88 and letter of even No:Dated:30.12.88.

\*\*\*\*\*

ORDER:

In the Government Order first read above, the Government have ordered, among other things, that no industry causing serious water pollution should be permitted within one kilometre from the embankments of rivers, streams, dams etc., and that the Tamil Nadu Pollution Control Board should furnish a list of such industries to all local bodies. It has been suggested that it is necessary to have a sharper definition for water sources so that ephemeral water collections like rain water ponds, drains, sewerages (biodegradable) etc., may be excluded from the purview of the above order. The Chairman, Tamil Nadu Pollution Control Board has stated that the scope of the Government Order may be restricted to reservoirs, rivers and public drinking water sources. He has also stated that there should be a complete ban on location of highly polluting industries within 1 kilometre of certain water sources.

*Pollution Prevention Pays*

2. The Government have carefully examined the above suggestions. The Government impose a total ban on the setting up of the highly polluting industries mentioned in Annexure I to this order within one kilometre from the embankments of the water sources mentioned in Annexure II to this order.

3. The Government also direct that under any circumstance if any highly polluting industry is proposed to be set up within one kilometre from the embankments of water sources other than those mentioned in Annexure-II to this order, the Tamil Nadu Pollution Control Board should examine the case and obtain the approval of the Government for it.

4. The receipt of this order may be acknowledged.

(BY ORDER OF THE GOVERNOR)

D. SUNDARESAN,  
COMMISSIONER AND SECRETARY TO GOVT.

/TRUE COPY/

**Annexure I to the GO. Ms. No. 213 Dated 30.3.89****LIST OF HIGHLY POLLUTING INDUSTRIES**

1. Distilleries
2. Tanneries, Sago, Sugar, Dairies and Glue,
3. Fertilizer.
4. Pulp & Paper (With digestor)
5. Chemical units generating trade effluent containing such pollutants which may pollute air, water and land before treatment and those chemicals which may alter the environmental quality by under going physical, chemical and biological transformation.
6. Petroleum Refinery.
7. Textile Dyeing Units.
8. Steel Plant (Electroplating, Heat Treatment etc.)
9. Ceramics.
10. Thermal Power Station.
11. Basic Drug Manufacturing Units.
12. Pesticide.
13. Asbestos.
14. Foundries.

**D. SUNDARESAN,  
COMMISSIONER & SECRETARY TO GOVERNMENT.**

**/TRUE COPY/**

## Annexure II to Go. Ms. No. 213 dated 30.3.89

## LIST OF RIVERS, STREAMS, RESERVOIRS etc.

Sl.No. 1.	Rivers 2.	Tanks and Reservoirs 3.	Canals 4.
<b>MADRAS &amp; CHENGALPATTU - H. G. R.</b>			
<b>DISTRICT:</b>			
1.	Araniyaru	Chembarambakkam Tank	Upper Supply Channel
2.	Koratalaiyar	Thennenai Hissa Tank	(Poondi to Cholavaram)
3.	Cooum	Uthiramerur Tank	Lower Supply Channel
4.	Adayar	Madurantagam Tank	(Cholavaram to Redhills)
5.	Palar	Parayankalathur Tank	Cheyyar Anicut Main Channel.
6.	Nagari	Cooum Tank	
7.	Nandiyaru	Manimangalam Tank.	
8.	Cheyyar	Poondi Reservoir.	
9.	Kiliyaru	Cholavaram Lake.	
10.	Ongur	Red Hills Lake.	
<b>SOUTH ARCOT DISTRICT:</b>			
1.	Varahanadhi	Willingdon Reservoir.	Sathanur Reservoir Project Canal.
2.	Malattaru	Vidur Reservoir	Sathanur Reservoir Project Right Bank Canal.
3.	Pennaiaru	Gomuki Reservoir	Pambai Channel
4.	Gadilam	Manimukthanadhi Reservoir	Thirukkoilur Anaicut.
5.	Vellar	Veeranam Tank.	"
6.	Coleroon	Perumal Tank	"
7.	Tundiaru		"
8.	Pambaiyar		"
9.	Gomuki		"
10.	Manimukthanadhi		"
11.	Musukunda Nadhi		"
12.	Vasistanadhi		"
13.	Thurinjalur		"
14.	Vadavar		"
			Wellington Reservoir Supply Channel (From Toludur Regulator)
			Wellington Reservoir Main Canal.
			Wellington Reservoir Low Level Canal.
			Pelandorai Anicut Main Channel





1.	2.	3.	4.
3. Chettiar	Ramanadhi	Kannadian Channel	
4. Servalar	Gatana	Kodayan Channel	
5. Manimuthar	Papanasam	Palayam Channel	
	Kadamba Tank	Tirunelveli Channel	Ramanadhi Reservoirs
	Vijayanarayanar	Tenkal Channel	"
	Periyakulam	Vadakkal Channel	"
	Tenkanai Tank	Manimuthar Reservoir Main Channel-Gatana Reservoirs.	
		Arasapattu Channel.	
	Tenkanai Tank	Vadakuruvaipathu Channel	
		Gatana Reservoirs	
		Radhapuram Channel.	
V.O.C. CHIDAMBARANAR			
DISTRICT:			
1. Tambaraparani	Korampallam Tank	Marudur Melakkal Channel.	
2. Vaippar		South Main Channel of Srivaikundam Anicut.	
3.		North Main Channel of Srivaikundam Anicut.	
KANYAKUMARI DISTRICT:			
1. Kodaiyaru	Pechiparai	Padmanabhapuram Puthen Channel	
2. Valliar	Perunchani	Pandiankal	
3. Palayaru	Chittar I	Thovala Channel	
		N.P. Channel	
		Pazhayaru	
		K.K. Kal System	
		A.V.M. Channel	
		Thiruvithancode Canal System	
		Pechipara Left Bank Canal	
		Pattanamkal System	
		Radhapuram Canal.	
COIMBATORE DISTRICT:			
1. Bhavani	Parambikulam	Ramakulan Channel	
2. Noyyal	Sholayar	Kallapuram Channel	
3. Amaravathi	Amaravathi	Parambikulam Right Left Canal	

1.	2.	3.	4.
			Parambikulam Main Canal Bhalli Channel system Vettai Karan Pudur Canal Sethumadai Canal Udumalaipet Canal Aliyar Feeder Canal Pollachi Canal
4.	Aliyar	Aliyar Poruvanpallar Thunnokhadam Upper Nivan Lower Nivan Thirumathi	
NILGIRIS DISTRICT:			
1.	Moyar	Upper Bhavani	Avara halla Canal
2.	Bhavani	Emerald	
3.	Pillur Pallam	Avalanche	
4.	Kulkathurai Halla	Pillur	
5.	----	Kunda	
6.	Avarai halla	Paikara	
7.	Paikara	Ooty halla	
8.	Amkour halla	Parsons Valley	
9.	Singaro	Glemergon Singara	
PERIYAR DISTRICT:			
1.	Cauvery	Bhavani Sagar	Modineri Anicut Canals
2.	Bhavani	Uppar	Thadappalli Channel Lower Bhavani Channel Kaiingaroyan Anicut Canal
3.	Moyar	Uttamalaikarai Odai	Upper Reservoirs Canal
4.	Noyyal	Varatapallam Gunderipallam	Vattamalai Kaveri Odai Reservoirs Canal Varattapallam Keshmir Canal. Gunderi Pallam Reservoirs Right side and left side Canals.
SALEM DISTRICT:			
1.	Cauvery	Mettur Reservoir	Mettur Canals (East & West Bank Canals)
2.	Thirumanimuthar	Yercadu Lake	
3.	Vashishtanadhi		

1.	2.	3.	4.
<b>DHARMAPURI DISTRICT:</b>			
1.	Cauveri	Krishnagiri Reservoir	Krishnagiri Reservoir Main Canal
2.	Pennaiyaru	Chinnar Reservoir	Barur Tank Supply Channel (West & East)
3.	Palar	Thunvalahalli Reservoir	Nedungudi Anicut Channel
4.	Chinnar I	Barur Big Tank	Devarahalli Tank Supply Channel
5.	Chinnar II	Mettur Reservoir	Chinnar Reservoir Right side Channel
6.	Bargur river	Pambar	
7.	Pambar		
8.	Vaniar		
9.	Chinnaru		
10.	Palaru		
<b>NORTH ARCOT DISTRICT:</b>			
1.	Palar	Sathanur Reservoir	Mahendravadi Channel
2.	Poiney	Dusi Mamandur Tank	Kaveri Pak Channel
3.	Cheyar	Kaveripakkam Tank	Sukkiramallur Channel
4.	Pennaiyar		Sukkiramallur Channel
5.	Thurinjilaru		Dari (Tenmampattu) Channel
			Kavi Channel
			Govindavadi Channel
			Poiney Eastern Main Channel
			Poiney Western Main Channel
			Sathanur Reservoir Project Canal
			Sathanur Reservoir Project Right Bank Canal
			Palar Anicut
			"
			"
			"
			"
			"
			Poiney Anicut
			"
			Sathanur Reservoir
			"

D. SUNDARESAN,  
COMMISSIONER AND SECRETARY TO GOVERNMENT

/TRUE COPY/

**ANNEXURE III****PROCEDURE FOR OBTAINING CONSENT OF THE BOARD UNDER SECTION 25/26 of the Water (P & CP) Act, 1974 and under Section 21 of the Air (P & CP) Act, 1981.**

1. All industries are classified as Red, Orange and Green, by the Government of India, Ministry of Environment and Forests on the basis of their potential for causing pollution.

Red - Highly polluting

Orange - Less polluting

Green - Non-Polluting

2. All industries have to apply for Consent.
  - a) Application forms can be had from the office of the District Environment Engineer. (address given) on payment of Rs. 100 per set of four forms, through DD drawn in favour of the DEE
  - b) Keep the fourth copy as office copy. The third copy to be sent to the office of the Board, at 32, Santhome High Road, Madras-600 004. The first and second copies to be sent to the DEE.
  - c) Remit the appropriate consent fees.  
(Details at Annexure)
  - d) Fill in the application form completely. In case of difficulty, the DEE may be approached for assistance.

**INCOMPLETE FORMS WILL DELAY THE GRANT OF CONSENT.**

**Renewal of Consent:**

1. All Consents are valid till 31st March of the Year.
2. Red Category industries have to get the Consent renewed annually.
3. Orange Category industries have to get the Consent renewed annually till the ETP and APC measures are commissioned. Thereafter renewal will be every Two Years.
4. Green Category Industries have to get the Consent renewed once in two years.
5. Application for renewal has to be made thirty days prior to the date of expiry.

**ADDRESS OF THE REGIONAL OFFICES OF TAMIL NADU  
POLLUTION CONTROL BOARD.**

Sl. No.	Name of Region	Jurisdiction (Districts)
1.	Senior Environmental Engineer, Tamil Nadu Pollution Control Board, No.15, Raghupathy Layout, SRP Ponnusamy Nagar, Coimbatore-641 011. Tel No. 41915 Telex 855-598 TPOL IN	a) Coimbatore b) Dharmapuri c) Nilgiris d) Periyar e) Salem
2.	Senior Environmental Engineer, Tamil Nadu Pollution Control Board, No.147, Greams Road, Madras-600 006. Tel No. 8253802	a) Chengai-Anna Dist b) Madras.
3.	Senior Environmental Engineer, Tamil Nadu Pollution Control Board, No.370, T.P.K. Road, Pasumalai, Madurai-625 004. Tel No. 885 18 Telex 0445-389 TNPC IN	a) Chidambaranar b) D.Q-Milleth c) Kamarajar d) Kanyakumari e) Madurai f) Pasumpon Thevar Thirumaganar g) Ramnad h) Tirunelveli- Kattabomman.
4.	Senior Environmental Engineer, Tamil Nadu Pollution Control Board, No.21, Promanade Road, (First Floor) Cantonment, Trichy. Tel No. 41701 Telex 0455-328 CPOL IN	a) Pudukottai b) South Arcot c) Thanjavur d) Trichy
5.	Senior Environmental Engineer, Tamil Nadu Pollution Control Board No.13,7th East Main Road, Gandhinagar, Vellore-632 006. Tel No. 21341	a) North Arcot-Ambedkar b) Tiruvannamalai Sambuvarayer



# TAMILNADU POLLUTION CONTROL BOARD

## BOARD OFFICE

Address : 32, Santhome High Road,  
Madras - 600 004.

Telephone Numbers : 75408, 75748, 75760  
77214, 77228, 77579

Out of Office Hours : 75408, 77214, 77228,  
77579

Telex : 041 - 7585 TPOL - IN

Telegram : CONPOL

Fax : 044 - 73826

*Pollution Prevention Pays*



**ADDRESS OF DISTRICT OFFICES OF TAMIL NADU POLLUTION  
CONTROL BOARD**

Sl. No.	Name of District Office	Jurisdiction
1.	District Environmental Engineer, Tamil Nadu Pollution Control Board, Chengai Anna (North). Tel. No. 474692	Ambattur Municipality Gummidipoondi Taluk, Ponneri Taluk, Polal and Thiruvellore Taluk, Villivakkam Panchayat Unions of Saidapet Taluk. Uthukottai Taluk,
2.	District Environmental Engineer, Tamil Nadu Pollution Control Board, Chengai-Anna (South), No.20 Ramasamy Street, Tambaram, Madras-600 045. <b>2366239</b> Tel. No. <del>403239</del> (Telex 041-7977 TPOL IN)	Chengalpattu Taluk, Cheyyur Taluk, Kancheepuram Taluk, Madurantagam Taluk, Panchayat Union of Saidapet Taluk. Sriperumpudur Taluk, St. Thomas Mount. Uthiramerur Taluk,
3.	District Environmental Engineer, Tamil Nadu Pollution Control Board, No.15, Raghupathy Layout, SRP Ponnusamy Nagar, Coimbatore-641 011. Tel. No. 41915 (Telex 855-598 TPOL IN)	Coimbatore
4.	District Environmental Engineer, Tamil Nadu Pollution Control Board, D.No.59, Seetharam Nagar, Cuddalore-1, South Arcot District. Tel. No. 847 (Telex 0462-236 TPOL IN)	South Arcot Dist.
5.	District Environmental Engineer, Tamil Nadu Pollution Control Board, No.85, Pidamaneri Road, Appavoo Nagar, Dharmapuri-636 701. Tel. No. 6163	Dharmapuri.

1.	2.	3.
6. District Environmental Engineer, Tamil Nadu Pollution Control Board, 26/D-16, Old R.W.S. Road, Nagal Nagar, Dindigul-624003. Tel. No. 7500	Dindigul-Q-Milleth, Pasumpon Thevar Thirumaganar.	
7. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.147 Greams Road, Madras-600 006. Tel. No. 8253801	Madras	
8. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.370, T.P.K. Road, Pasumalai, Madurai-625 004. Tel. No. 88518 (Telex 0445-389 TNPC IN)	Kamarajar, Madurai, Ramnad.	
9. District Environmental Engineer, Tamil Nadu Pollution Control Board, 26/1, 166B, K.P.Road, opp. to Collector's office, Nagercoil-629001 K.K. Dist. Tel. No. 7651	Kanyakumari Nagercoil	
10. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.8, Perundurair Road, Erode-638 011. Periyar District. Tel. No. 61391	Periyar	
11. District Environmental Engineer, Tamil Nadu Pollution Control Board, Siva Tower, 1/276, Meyyanur Main Road, Salem-636 004. Tel. No. 77526 (Telex 0450-384 TPOL IN)	Salem	

1.	2.	3.
12. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.15, 7th Street, Sundaram Nagar, Medical College Road, Thanjavur-613 004. Tel. No. 20558 (Telex 0468-225 TPOL IN)	Thanjavur	
13. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.21, Promenade Road, 1st Floor, Cantonment Trichy-620 001. Tel. No. 41701 (Telex 0455-328 CPOL IN)	Pudukottai Trichy.	
14. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.92, Devarpuram Road, (1st Floor), Tuticorin-628003. Tel. No. 24705	Kanyakumari Dist. Tirunelveli- Kattabomman Dist. V.O.C. District.	
15. District Environmental Engineer, Tamil Nadu Pollution Control Board, No.7-A, Convent Road, St. Mary's Hill, Udhagamandalam, Nilgiris District. Tel. No. 3109	Nilgiris District.	
16. District Environmental Engineer, Tamil Nadu Pollution Control Board, D.No.13, 7th East Main Road, North Arcot District, Gandhi Nagar, Vellore-632 006. Tel. No. 21341	North Arcot Ambedkar, Thiruvannamalai- Sambuvarayar.	

**Annexure to Procedure for obtaining Consent of the Board**

**CONSENT FEES****WATER ACT**

G.O.Ms.No.262 Dated 26th April 1989.

Sl. No.	Industries with a Capital investment of	Amount of consent fee
1.	More than Rupees ten crores	Rs. 15,000/-
2.	More than Rupees five crores and upto ten crores	Rs. 10,000/-
3.	More than Rupees one crore and upto Rupees five crores	Rs. 5,000/-
4.	More than Rupees fifty lakhs and upto Rupees one crore	Rs. 3,000/-
5.	More than Rupees twenty five lakhs and upto Rupees fifty lakhs	Rs. 2,000/-
6.	More than Rupees ten lakhs and upto Rupees twentyfive lakhs	Rs. 1,500/-
7.	More than Rupees five lakhs and upto rupees ten lakhs	Rs. 1,000/-
8.	More than Rupees one lakh and upto Rupees five lakhs	Rs. 250/-
9.	Rupees one lakh or less	Rs. 100/-
10.	10 Crores to 20 Crores :	Rs 20,000
11.	20 Crores to 30 Crores :	Rs 25,000
12.	30 Crores to 40 Crores :	Rs 30,000
13.	40 Crores to 50 Crores, Pollution Prevention Pays	Rs 35,000

**AIR ACT**

G.O.Ms.No.263 Dated 26th April 1989

Sl. No.	GROSS FIXED ASSETS	Amount of consent fee
1.	More than Rupees ten crores	Rs. 15,000/-
2.	More than Rupees five crores and upto ten crores	Rs. 10,000/-
3.	More than Rupees one crore and upto Rupees five crores	Rs. 5,000/-
4.	More than Rupees fifty lakhs and upto Rupees one crore	Rs. 3,000/-
5.	More than Rupees twenty five lakhs and upto Rupees fifty lakhs	Rs. 2,000/-
6.	More than Rupees ten lakhs and upto rupees twentyfive lakhs	Rs. 1,500/-
7.	More than rupees five lakhs and upto rupees ten lakhs	Rs. 1,000/-
8.	More than rupees one lakh and upto rupees five lakhs	Rs. 250/-
9.	Rupees one lakh or less	Rs. 100/-

14. 50 Crores to 100 Crores : Rs 40,000

15. 100 Crores to 200 Crores : Rs 45,000

16. 200 Crores to and above : Rs 50,000

*Pollution Prevention Pays*

**'RED' Category Industries**

1. Lime manufacture pending decision on proven pollution control device and Supreme Court's Section on quarrying.
2. Ceramics.
3. Sanitary-ware.
4. Tyres and tubes.
5. Refuse incineration.
6. Large flour mills.
7. Vegetable oils including solvent extracted oils.
8. Soap without steam boiling process and synthetic detergent formulations.
9. Steam generating plants.
10. Manufacture of machineries and machine tools and equipment.
11. Manufacture of office and house-hold equipment and appliances involving use of fossil fuel combustion.
12. Industrial gases (only nitrogen, oxygen and O<sub>2</sub>).
13. Miscellaneous glassware without involving use of fossil-fuel combustion.
14. Optical glass.
15. Petroleum storage and transfer facilities.
16. Surgical and medical products including prophylnotics and latex products.
17. Bakery products, biscuits and confectioneries.
18. Instant tea/coffee ; coffee processing.

19. Malted food.
20. Manufacture of power driven pumps, compressors, refrigeration units, fire fighting equipment etc.
21. Acetylene (synthetic).
22. Glue and gelatine.
23. Metallic sodium.
24. Photographic films, papers and photographic chemicals.
25. Plant nutrients (Manure).
26. Ferrous and non-ferrous metal extraction, refining, casting, forging, alloy making processing etc.
27. Dry coal processing/mineral processing industries like ore sintering, beneficiation, pelletization etc.
28. Phosphate rock processing plants.
29. Cement plants with horizontal rotary kilns.
30. Cement plant with vertical shaft kiln technology-pending certification of proven technology on pollution control.
31. Glass and glass products involving use of coal.
32. Petroleum refinery.
33. Petrochemical industries.
34. Manufacture of lubricating oils and greases.
35. Synthetic rubber manufacture.
36. Coal, oil, nuclear and wood based thermal power plants.
37. Vanaspati, hydrogenated vegetable oils for industrial purposes.

38. Sugar mills (white and khandasari).
39. Craft paper mills.
40. Coke oven by-products and coal-tar-distillation products.
41. Alkalies.
42. Caustic soda.
43. Potash.
44. Electro-thermal products (artificial abrasives, calcium carbide etc.).
45. Phosphorous and its compounds.
46. Acids and their salts (organic and inorganic).
47. Nitrogen compounds (cyanides, cyanamides and other nitrogen compounds).
48. Explosives (including industrial explosive, detonators and fuses).
49. Phthalic anhydride.
50. Processes involving chlorinated hydrocarbon.
51. Chlorine, fluorine, bromine, iodine and their compounds.
52. Fertilizer industry.
53. Paper board and straw boards.
54. Synthetic fibres.
55. Insecticides, fungicides, herbicides and pesticides (basic manufacture and formulation).
56. Basic drugs.
57. Alcohol (industrial or potable).
58. Leather industry including tanning and processing.

59. Coke making, coal liquification and fuel gas making, industries.
60. Fibre glass production and processing.
61. Refractories.
62. Manufacture of pulp-wood pulp, mechanical or chemical (including dissolving pulp).
63. Pigment dyes and their intermediates.
64. Industrial carbons (including graphite electrodes, anodes, midget eletrons, graphite, blocks, crucibles, gas carbons, activited, carbon synthetic, diamonds, carbon black, black, lamp etc.).
65. Electrochemicals (other than those covered under alkali group).
66. Paints, enamels and varnishes.
67. Poly propylene.
68. Poly vinyl chloride.
69. Chlorates, perchlorates and peroxides.
70. Polishes.
71. Synthetic resin and plastic products.

**'ORANGE' Category Industries**

1. Electroplating.
2. Galvanizing.
3. Manufacture of mirror from sheet glass and photoframing.
4. Surgical gauges and bandages.
5. Cotton spinning and weaving.
6. Wires, pipes-extruded shapes from metals.
7. Automobile servicing and repair stations.
8. Restaurants.
9. Ice cream.
10. Mineralised water and soft drinks bottling plants.
11. Formulations of pharmaceuticals.
12. Dyeing and printing (small units).
13. Laboratory ware.
14. Wire drawing (cold process) and bailing straps.
15. Steel furniture, fasteners etc.
16. Potassium permanganate.
17. Surface coating industries.
18. Fragrance, flavours and food additives.
19. Aerated water/soft drink.
20. Light engineering industry excluding fabrication.
21. Electroplating.
22. Small textile industry.
23. Dye industry.

24. Pharmaceuticals industry formulation.
25. Plastic industry.
26. Chemical industry.
27. Readymade garment industry.
28. Flour Mills.
29. Bleaching.
30. Degreasing.
31. Phosphating.
32. Dyeing.
33. Pickling, tanning.
34. Polishing.
35. Cooking of fibres, digesting.
36. Desizing of fabric.
37. Unhairing, soaking, delimiting and bating of hide.
38. Washing of fabric.
39. Trimming, cutting, juicing and blanching of fruits and vegetables.
40. Washing of equipment and regular food washing using considerable cooling water.
41. Separated milk and whey.
42. Steeping and processing of grain.
43. Distillation of alcohol, stillage evaporation.
44. Slaughtering of animals, rendering of bones, washing of meat.
45. Juicing of sugar cane, extraction of sugar.
46. Filtration, centrifugation, distillation.

- 47. Pulp and fermenting of coffee beans. 24
- 48. Processing of fish. 25
- 49. DM plant exceeding 20 kilo litres per day capacity. 26
- 50. Pulp making, pulp processing and paper making. 27
- 51. Coking of coal, washing coal, furnace flue gases. 28

29 Bleaching

30 Degreasing

31 Prosofating

32 Dyeing

33 Picking, ranning

34 Potting

35 Cooling of fibres, digesting

36 Dyeing of fabric

37 Unrining, sorting, delaine and beating of wibe

38 Washing of fabric

39 Thinning, cutting, juling and bleaching of fruits and vegetables

40 Washing of equipment and regular food washing using condensable cooling water

41 Separated milk and whey

42 Steeping and processing of grain

43 Distillation of alcohol, stillage evaporation

44 Slaughtering of animals, rendering of bones, washing of meat

45 Juling of sugar cane, extraction of sugar

46 Filtration, concentration, distillation

**'GREEN' Category Industries**

1. Wasting of used sand by hydraulic discharge.
2. Atta-chakkies.
3. Rice millers.
4. Ice boxes.
5. Dal mills.
6. Ground nut decorticating (dry).
7. Chilling.
8. Tailoring and garment making.
9. Cotton and woollen hosiery.
10. Apparel making.
11. Handloom weaving.
12. Shoe lace manufacturing.
13. Gold and silver thread and zari work.
14. Gold and silver smithy.
15. Leather foot wear and leather products excluding tanning and hide processing.
16. Musical instruments manufacturing.
17. Sports goods.
18. Bamboo and cane products (only dry operations).
19. Card board box and paper products (paper and pulp manufacture excluded).
20. Insulation and other coated papers (paper and pulp manufacture excluded).
21. Scientific and mathematical instruments.

22. Furniture (wooden and steel).
23. Assembly of domestic electrical appliances.
24. Radio assembling.
25. Fountain pens.
26. Polythene, plastic and P.V.C. goods through extrusion/moulding.
27. Rope (cotton and plastic).
28. Carpet weaving.
29. Assembly of air coolers, conditioners.
30. Assembly of bicycles, baby carriages and other small non-motorized vehicles.
31. Electronics equipment (assembly).
32. Toys.
33. Candles.
34. Carpentry-excluding saw mill.
35. Cold storages (small scale).
36. Oil ginning/expelling (no hydrogenation and no refining).
37. Jobbing and machining.
38. Manufacture of steel trunks and suitcases.
39. Paper pins and U-clips.
40. Block making for printing.
41. Optical frames.
42. Tyre retreading.
43. Power Looms and handlooms (without dyeing and bleaching).
44. Printing press.

- 45. Garments stitching, tailoring.
- 46. Thermometer making.
- 47. Foot-wear (rubber).
- 48. Plastic processed goods.
- 49. Medical and surgical instruments.
- 50. Electronic and electrical goods.
- 51. Rubber goods industry.

Type of Industries	Original category in the earlier O.M. (dated 27.9.88)	Modified category of the industry
1. Specialty wear industry	Red	Orange
2. Manufacture of machines, machine tools and equipment (exclusive group)	Red	Green
3. Dye	Orange	Red
4. Chemical	Orange	Red
5. Distillation of alcohol stage evaporation	Orange	Red
6. Pulp making pulp processing and paper making	Orange	Red
7. Asbestos Cement	Originally not included in the list	Red

3. Categorization of all other industries under Red, Orange and Green mentioned in the Annexure of the O.M. dated 27.9.88 other than those mentioned above remain unchanged.

5. The rates with the approval of the Government Authority (T.K. Bandopadhyay) Chemicals

No.J-20011/15/88-IA  
 Government of India  
 Ministry of Environment & Forests  
 Department of Environment, Forests & Wildlife

Dated: May 8, 1989

OFFICE MEMORANDUM

Subject:- Guidelines for the frequency of inspection in respect of large/medium/small scale.

\*\*\*\*\*

The undersigned is directed to refer to this Ministry' O.M. of even number dated 27th September, 1988, on the subject mentioned above and to modify the list of industries under the categories 'Red', 'Orange' and 'Green' mentioned in the Annexure of the O.M. under reference as follows:

Types of Industries	Original category in the earlier O.M. (dated 27.9.88)	Modified category of the industry
1. Sanitary ware industry	Red	Orange
2. Manufacture of machines, machine tools and equipment (fabrication only)	Red	Green
3. Dye	Orange	Red
4. Chemical	Orange	Red
5. Distillation of alcohol/ stillage evaporation	Orange	Red
6. Pulp making, pulp processing and paper making	Orange	Red
7. Asbestos Cement	Originally not included in the list	Red

2. Categorisation of all other industries under 'Red', 'Orange' and 'Green' mentioned in the Annexure of the O.M. dated 27.9.88 other than those mentioned above remain unchanged.

3. This issues with the approval of the Competent Authority.

(T.K. Bandyopadhyay)  
 Scientist'SD'

**ANNEXURE-IV****ABSTRACT**

Tamil Nadu Pollution Control Board - Fixing up of effluent standards for the discharge of trade/sewage effluents - Revised - Orders - Issued.

**Tamil Nadu Pollution Control Board**

B.P.Ms. No.30

Dated: 21-02-84

Read :

- i) G.O. Ms. No.340/H & FW/Dt. 19-02-1982
- ii) G.O. Ms. No.148/RDLA/Dt. 03-02-1983
- iii) B.P. Ms. No.7/Dt. 16-07-1983
- iv) TNPC Bd. Resolution No.6-10/dt. 16-02-1984.

**Order:**

Government in G.O. Ms. No.340 H & FW/dt. 19-02-1982<sup>2</sup> have constituted the Tamil Nadu Pollution Control Board as required under Section 4 of Water (Prevention and Control of Pollution) Act. 1974 (Central Act 6 of 1974) with effect from 27-02-1982.

2. As per section 25 of the Act, prior consent of the Board has to be obtained before bringing into use any new or altered outlet or begin to make any new discharge of sewage or trade effluent into a stream or well\* (\*as defined in the Act).

3. As per section 26 of the Act, consent of the Board has to be obtained for use of existing outlet for discharge of any sewage or trade effluent while granting consent, the Board has to fix up tolerance limits for various pollutants present in the effluents depending upon the mode of disposal of effluents either into inland surface water, public sewers, marine coastal areas or on land for irrigation. Clause (3) of Sub section (1)

of Section 17 of the Water (Prevention and Control of Pollution) Act, 1974 empowers the Board to lay down effluent standards.

4. The Board during its third meeting held on 05-05-1983 approved the standards for pollutants according to the mode of disposal and issued orders in the Board Proceeding III cited above.

5. The standards prescribed by the Board for various pollutants and the revised standards prescribed by the ISI for discharge of trade effluent was considered by the Technical Committee. The committee recommended the standards given in the annexure to be prescribed as tolerance limits for the disposal of trade effluents into inland surface waters, public, sewers, marine coastal areas or on land for irrigation. The recommendations of the committee were placed before the Board during its sixth meeting held on 16-02-1984.

6. The Board examined the matter carefully and approved in resolution No.6-10 the revised effluents standards as annexed to this order.

7. This order shall take effect from 16-01-1984.

Encl.: Annexure.

G. RENGASAMY  
Member-Secretary

*Sewage*

PH. 5.5 to 9

TSS 30

BOD 20

## TOLERANCE LIMITS FOR TRADE EFFLUENTS

### Tolerance Limits for Discharge of Trade Effluents Discharged into

Sl. No.	Characteristics	Discharged into			
		Inland surface Water	Public Sewers	Marine Coastal areas	
1	2	3	4	5	
1.	Colour and Odour			on land for Irrigation	6
2.	Suspended solids mg/l	100	600	a) For process waste waters	100
				b) For cooling water effluents	10 percent above total suspended matter of influent cooling water
3.	Particle size of suspended solids	shall pass 850 micron IS sieve	—	a) Floatable solids, max.3 mm.	2100
				b) Settleable solids max.850 microns	5.5 to 9.0
4.	Dissolved solids (inorganic) mg/l	2100	2100	—	5.5 to 9.0
5.	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0

1	2	3	4	5	6
		Ingram water	Public water	Memorandum water	Orland water
21.	Zinc (as Zn)	1	15	15	15
22.	Selenium (as Se)	0.05	0.05	0.05	0.05
23.	Nickel (as Ni)	3	3	3	3
24.	Boron (as B)	2	2	2	2
25.	Percent Sodium	—	60	—	60
26.	Residual Sodium Carbonate	—	—	—	5
27.	Cyanide (as CN)	0.2	2.0	0.2	0.2
28.	chloride (as Cl)	1000	1000	—	600
29.	Flouride (as F)	2.0	15	15	2.0
30.	Dissolved Phosphates (as P)	5	—	—	—
31.	Sulphates (SO <sub>4</sub> )	1000	1000	1000	1000
32.	Sulphide (as S)	2	—	5	2
33.	Pesticides	Absent	Absent	Absent	Absent
34.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	1	5	5	5
35.	Radioactive materials				
	a. Alpha emitters (uc/ml)	10.7	10.7	10.7	10.8
	b. Beta emitters uc/ml	10.6	10.6	10.7	10.6

38

1	2	3	4	5	6
6.	Temperature °C	40 at the point of discharge	45 at the point of discharge	45 at the point of discharge	
7.	Oil and grease	mg/l 10	20	20	10
8.	Total residual chlorine	mg/l 1	—	1	—
9.	Ammonical Nitrogen (as N)	mg/l 50	50	50	—
10.	Total Kjeldahl Nitrogen (as N)	mg/l 100	—	100	—
11.	Free Ammonia (as NH <sub>3</sub> )	mg/l 5	—	5	—
12.	Biochemical Oxygen Demand (5 days at 20°C)	30	350	100	100
13.	Chemical Oxygen Demand,	mg/l 250	—	250	—
14.	Arsenic (as As)	mg/l 0.2	0.2	0.2	0.2
15.	Mercury (as Hg)	mg/l 0.01	0.01	0.01	0.01
16.	Lead (as Pb)	mg/l 0.01	1.00	1.00	1.00
17.	Hexavalent Chromium (as Cr <sup>6+</sup> )	mg/l 0.10	2.0	1.0	1.0
18.	Total Chromium (as Cr)	mg/l 2.0	2.0	1.0	2.0
19.	Cadmium (as Cd)	mg/l 2.0	1.0	2.0	1.0
20.	Copper (as Cu)	mg/l 3	3	3	3

40  
APPENDIX - II

ABSTRACT

Tamil Nadu Pollution Control Board-To lay down standards for the emission of air pollutants as per section 17(I) (g) of Air (Prevention and Control of Pollution) Act, 1981 - Orders - issued.

---

**Tamil Nadu Pollution Control Board**

B.P.Ms. No. 49 19-7-1984

1. G.O.Ms. No. 340/Health and Family Welfare/dated 19-2-82.
2. G.O.Ms. No. 4, Environment Control dated 28-9-83.
3. Tamil Nadu Pollution Control Board Resolution No. 8-5 dated 15-6-84.

**Order:**

The Tamil Nadu Pollution Control Board has been formed in G.O.Ms. No. 340, Health and Family Welfare dated 19-2-1982 with effect from 27-2-1982 under the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974).

Government in G.O.Ms. No. 4, Environment Control, dated 28-9-1983 have declared the entire area within the State of Tamil Nadu as air pollution control area as required under sub-section (1) of section 19 of the Air (Prevention and Control of Pollution) Act, 1981 with effect from 1-10-1983.

As per Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, no person shall, without the previous consent of Board, operate any industrial plant for the purpose of any industry specified in the Schedule to the Act in an air pollution control area. Also any person operating an industrial plant for the purpose of any industry specified in the Schedule has to obtain the consent of the Board within such period as may be prescribed. Government have prescribed a period of six months from the date of declaration of air pollution control area for the purpose of obtaining the consent of the Board.

As per section 17(1) (g) of the Air (Prevention and Control of Pollution) Act, 1981, the Board may lay down standards for emission of any air pollutant. The ambient air quality standards adopted by Central Board for the Prevention and Control of Water Pollution, New Delhi were placed before the Board during its eighth meeting held on 15-6-1984.

The Board examined the matter carefully and adopted the standards (Annexed to this order) and to include the condition that when monitored uniformly over the 12 months of a year with a frequency of not less than once in a week, a sampling time of eight hours for any samples and analysed according to procedures specified by the Board the concentrations for the pollutants shall be, 95% of the time, within the limits adopted.

This order shall take effect from 15-6-1984.

Encl: 1 Annexure

V. MOHAN RENGARAJ,  
Member-Secretary

## ANNEXURE - V

## Ambient Air Quality Standards of

## Tamil Nadu Pollution Control Board

	Concentration in micrograms per meter cube			
	SPM	SO <sub>2</sub>	CO	NO <sub>x</sub>
A. Industrial and mixed use	500	120	5000	120
B. Residential & Rural	200	80	2000	80
C. Sensitive	100	30	1000	30

## Noise level

Limit in dB(A)	Noise level	
	Day 6am to 9pm	Night 9pm to 6am
Industrial	75	70
Agricultural	55	45

T.N.P.C. Board-To lay down standards for the emission of Air pollutants as per section 17(1)(g) of Air (Prevention and Control of Pollution) Act, 1981-Order-Issued.

---

### Tamil Nadu Pollution Control Board

B.P.Ms.No.68

Dated 28-2-1985

1. G.O.Ms. No.340, Health and Family Welfare Department, dated 19-2-1983
2. G.O.Ms. No.4, Environment Control Department,dated 28-9-1983.
3. Tamil Nadu Pollution Control Board Resolution No-14-2dated 21-2-85.

#### Order:

The Tamil Nadu Prevention and Control of Water Pollution Board (since renamed as Tamil Nadu Pollution Control Board) has been formed in G.O.Ms. No.340, Health and Family Welfare dated 19-2-1982 with effect from 27-2-1982 under the Water (Prevention and Control of Pollution) Act, 1974 (Central Act 6 of 1974).

Government in G.O.Ms. No.4, Environment Control, dated 28-9-1983 have declared the entire area within the State of Tamil Nadu as Air Pollution Control area as required under Sub-section (1) of section 19 of the Air (Prevention and Control of Pollution) Act, 1981 with effect from 1-10-83.

As per Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, no person shall without the previous consent of the Board, operate any Industrial Plant for the purpose of any industry specified in the Schedule to the Act, in an Air Pollution control area. Also any person operating an industrial plant for the purpose of any industry specified in the Schedule

has to obtain the consent of the Board within such period as may be prescribed. Government have prescribed 31-3-84 as the date before which the application for consent has to be made.

As per Section 17 (1) (g) of Air (Prevention and Control of Pollution) Act, 1981 the Board may lay down standards in consultation with the Central Board for Prevention and Control of Water Pollution, New Delhi for emission of any pollutant. The emission standards for the six industries mentioned in Annexure adopted by Central Board for the Prevention and Control of Water Pollution, New Delhi were placed before the Board during its special meeting held on 21-2-1985.

The Board examined the matter carefully and adopted the standards (Annexed to this order).

This order shall take effect from 21-2-1985 and is applicable upto December 1986.

Encl: Annexure

**G. RENGASAMY,**  
Member-Secretary

## ANNEXURE - VI

Annexure to BP No. 68 Dated 28.2.85

## EMISSION STANDARDS

## 1. CEMENT

Standard for particulate matter emission.

Capacity	Protected area	Other area
200tpd and less	250 mg/Nm <sup>3</sup>	400 mg/Nm <sup>3</sup>
Greater than 200 tpd	150 mg/Nm <sup>3</sup>	250 mg/Nm <sup>3</sup>

## 2. THERMAL POWER

(a) Standard for particulate matter emission.

Boiler size.....	Protected area		Other area	
		Old (before 1979)	New (after 1979)	
Lessthan 200 MW	150 mg/Nm <sup>3</sup>	600 mg/Nm <sup>3</sup>	350 mg/Nm <sup>3</sup>	
200 MW and above	150 mg/Nm <sup>3</sup>	—	150 mg/Nm <sup>3</sup>	

(b) Standard for Sulphur dioxide control  
(through stack height)

Boiler Size	Stack height
Less than 200 MW	H=14(Q) 0.3
200 MW to less than 500 MW	220 meters
500 MW and more	275 meters

Q = Sulphur Dioxide emission in kg/hr

H = Stack height in metres.

## 3. IRON &amp; STEEL

Standard for particulate matter

Process	Emission Limits
Sintering plant	150 mg/Nm <sup>3</sup>
Coke oven	—
Blast furnace	—
Steel making during normal operation	150 mg/Nm <sup>3</sup>
during oxygen lancing	400 mg/Nm <sup>3</sup>

**4. FERTILIZER (UREA)**

Standard for particulate matter emission

process

Emission Limit

Drilling Tower

50 mg/Nm<sup>3</sup>**5. NITRIC ACID**Standard for oxides of Nitrogen, NO<sub>x</sub>3Kg of NO<sub>x</sub> per tonne of weak acid (before concentration) produced.**6. SULPHURIC ACID**

Standard for sulphur dioxide and acid mist emission

Process	Sulphur dioxide emission	Acid mist emission
Single conversion	10 kg/tonne of	50 mg/Nm <sup>3</sup>
Single absorption	concentrated (100%) acid produced.	
Double conversion	4 kg/tonne of	50 mg/Nm <sup>3</sup>
Double absorption	concentrated (100%) acid produced.	

**ABSTRACT**

Tamil Nadu Pollution Control Board - Emission Standards for Calcium Carbide, Copper, Lead and Zinc Smelting, Carbon black, Fertiliser (phosphatic), Oil Refineries, Aluminium as per Section 17 (1) (g) of the Air (Prevention and Control of Pollution) Act. 1981 - Orders - Issued.

**TAMIL NADU POLLUTION CONTROL BOARD**

B.P.Ms. No.120

Dated:7-5-86

1. G.O. Ms. No.340/Health and Family Welfare Department, dated 19-2-82.
2. G.O. Ms. No.4, Environment Control Department, dated 28-9-83.
3. Tamil Nadu Pollution Control Board Resolution No.26-7 dated 29-4-86.

**ORDER:**

Section 17 (1) (g) of the Air (Prevention and Control of Pollution) Act, 1981 empowers the State Board to lay down, in consultation with the Central Board for the Prevention and Control of Water Pollution, standards for emission of air pollutants into the atmosphere from different Industrial plants.

The Central Board has evolved the emission standards for Calcium carbide, Copper, Lead and Zinc Smelting, Carbon Black, Fertiliser (Phosphatic) Oil Refineries and Aluminium included in the Schedule to the AIR (Prevention and Control of Pollution) Act, 1981. The emission standards for the above six industries mentioned in Appendix were placed before the Board at its Special Meeting held on 29-4-86. The Board examined the matter carefully and adopted the standards (Annexed to this order).

This order shall take effect from 29-4-86 and is applicable upto December, 1987.

**G.RENGASAMY**  
Member-Secretary

## Annexure to BP Ms. No. 20 Dated 7.5.86

## EMISSION STANDARDS

## 1. CALCIUM CARBIDE:

---

Standard for particulate matter emission.

---

Source	Emission Limit
--------	----------------

---

Kiln	250 mg/Nm <sup>3</sup>
------	------------------------

---

Arc Furnace	150 mg/Nm <sup>3</sup>
-------------	------------------------

---

## 2. COPPER, LEAD AND ZINC SMELTING:

Standard for particulate matter and oxides of sulphur.

---

Concentrator	150 mg/Nm <sup>3</sup> for particulate matter
Smelter and Converter	Off-gases must go for H <sub>2</sub> SO <sub>4</sub> manufacture. No release of SO <sub>2</sub> /SO <sub>3</sub> shall be permitted from the smelter of converter.

---

## 3. CARBON BLACK:

Standard for particulate matter emission.

---

Year of Commissioning	Emission Limit
-----------------------	----------------

---

New Plants	150 mg/Nm <sup>3</sup>
------------	------------------------

---

Built and Commissioned after January 1, 1985)	
---	--

---

Existing Plants (Built and Commissioned (till December 31, 1986) before December 31, 1984)	250 mg/Nm <sup>3</sup>
--	------------------------

---

	150 mg/Nm <sup>3</sup> (from January 1, 1987)
--	--

---

## 4. FERTILIZER (PHOSPHATIC):

Standard for fluoride and particulate matter.

Process	Emission Limit
Acidification of rock phosphate	25 mg/Nm <sup>3</sup> as total fluoride (F—)
Granulation, Mixing, Rock Grinding	150 mg/Nm <sup>3</sup> of particulate matter from each process.

## 5. OIL REFINERIES:

Standard for sulphur dioxide

Process	Emission Limit
Distillation (Atmospheric Plus Vacuum)	0.25 Kg/Te of feed*
Cataytic Cracker	2.5 Kg/Te of feed
Sulphur Recovery Unit	120 Kg/Te of Sulphur in the feed

\*Feed indicates the feed for that part of the process under consideration only.

## 6. ALUMINIUM:

Standard for fluoride and particulate matter.

Process	Standard
Calcination	250 mg/Nm <sup>3</sup> of particulate
Aluminium Smelting	1 Kg (F—) /Te of aluminium produced and 150 mg/Nm <sup>3</sup> of particulate matter

**TAMILNADU POLLUTION CONTROL BOARD****ABSTRACT**

T.N.P.C. Board - Emission standards for Boiler flue gases and the minimum height of stack required to be provided for Boilers of different ranges, Generator sets, Incinerators and furnaces/Kilns.

B.P. Ms. No. 144.

Dated: 23-10-1986

Read:

1. G.O. Ms. No. 340 Health and Family Welfare Department dt. 19-2-82.
2. G.O. Ms. No. 4 Environment Control Department, dated 28-9-83.
3. T.N.P.C. Board Resolution No. 34-21 dated 6-10-86.

**ORDER**

Section 17(1) of the Air (Prevention and Control of Pollution) Act, 1981 empowers the State Pollution control Boards to lay down, in consultation with the Central Board, Standards for emission of air pollutants into the atmosphere from industrial plants.

The Central Board has evolved emission standards (Part IV) for small boilers, diesel generator sets and devices such as incinerators furnaces and Kilns. The emission standards suggested by the Central Board as in the annexure were placed before the Board at its Special Meeting held on 6-10-86. The Board examined the matter carefully and adopted the standards (Annexed to this order)

This order shall take effect from the date of issue and is applicable till June 1989.

(Sd). G. RENGASAMY  
Member-Secretary

## Annexure to BP Ms No. 144 Dated 23-10-86

## 1. EMISSION STANDARDS FOR BOILERS

Capacity of boiler	Particulate emission limits
1. Less than 2 tons/hr	1600 mg/Nm <sup>3</sup>
2. 2 to 15 tons/hour	1200 mg/Nm <sup>3</sup>
3. More than 15 tons/hour	150 mg/Nm <sup>3</sup>

This requirement is applicable for boilers using any type of solid fuel.

## II. STACK HEIGHT FOR COAL FIRED BOILERS

Capacity of Steam generation	Stack height
1. Less than 2 tons/hour. (or 2.6 MT/day of coal used)	Two and a half times the neighbouring building height or 9.0m whichever is more.
2. More than 2 tons/hr to 5 tons/hour (or 2.6 MT/day to 6.5 MT/day of coal used)	12.0 m
3. More than 5 tons/hr to 10 tons/hour (or 6.5 MT/day to 13MT/day of coal used)	15.0m
4. More than 10 tons/hr to 15 tons/hour (or 13 MT/day to 19.5 MT/day of coal used)	18.0m
5. More than 15 tons/hr or 20 tons/hour (or 19.5 MT/day to 26.0 MT/day of coal used)	21.0m
6. More than 20 tons/hr to 25 tons/hour (or 26 MT/day to 32.5 MT/day of coal used)	24.0m
7. More than 25 tons/hr to 30 tons/hour (or 32.5 MT/day 39 MT/day of coal used)	27.0m
8. More then 30 tons/hour (or more than 39 MT/day of coal used)	30.0m or using the formula $H = 14Q^{0.3}$ where H - minimum stack height required in metres. Q is sulphur di-oxide emissions in kg/hr. whichever is more)

The above stack height standards are also applicable to devices such as incinerators, furnaces and kilns where coal is used as fuel.

### III. STACK HEIGHT REQUIRED FOR BOILERS USING LIQUID FUELS

For boilers using liquid fuels, the minimum stack height required will be arrived at using, the formula  $H = 14 Q_g^{0.3}$  where H is the height of stack and  $Q_g$  is the emission of sulphurdioxide in kg/hr.

### IV. STACK HEIGHT REQUIRED FOR GENERATOR SETS

Capacity of generator set	Total height of stack in m
1. 0 to 50 KVA	Height of the building + 1.5m
2. 50 to 100 KVA	Height of the building + 2.0m
3. 100 to 150 KVA	Height of the building + 2.5m
4. 150 to 200 KVA	Height of the building + 3.0m
5. 200 to 250 KVA	Height of the building + 3.5m
6. 250 to 300 KVA	Height of the building + 3.5m

Note: For higher KVA ratings, stack, height shall be arrived at using the formula  $H = h + 0.2\sqrt{KVA}$ .

Where H=Total height of stack in meter.

h=height of the building in metres where the generator set is installed.

KVA-Generator capacity in KVA.

V. For generator sets installed in industries located a way from urban, residential or commercial areas, the stack from the ground level may be relaxed to two and a half times ( $2\frac{1}{2}$ ) the building height. This building may be either the one in which the diesel generator set is housed or a building with people working, within the premises of the factory. This is also applicable for oil fired furnaces, engines and equivalent.

VI. In case of industries, which install facilities for removal of particulates or gaseous emissions to adhere to the limits prescribed, the stack height  $H$ , can be relaxed to  $H=14Qg^{0.3}$  Where  $Qg$ =amount of gaseous emissions in kg/hr. In case of particulates when controlled to the limits prescribed, then stack height can be relaxed to height  $(H) = 74Qp^{0.27}$  where  $Qp$  is the particulate emissions in tonnes/hr.

VII. These norms apply to existing as well as new industries.

VIII. Minimum height of stack in all cases shall be 9.0m (30.0 feet) or as calculated by the relevant formula whichever is more.

These standards are applicable till June, 1989 and shall be reviewed thereafter.

G. RENGASAMY  
Member-Secretary

## ANNEXURE - VII

## INDUSTRIES SPECIFIED FOR PAYMENT OF CESS

1. Ferrous metallurgical industry
2. Non-ferrous metallurgical industry
3. Mining industry
4. Ore processing industry
5. Petroleum industry
6. Petro-chemical industry
7. Chemical industry
8. Ceramic industry
9. Cement industry
10. Textile industry including Cotton, Synthetic and semi-synthetic fibres manu. from these fibres
11. Paper industry
12. Fertiliser industry
13. Coal (including coke) industry
14. Power(thermal and diesel) generating industry
15. Processing of animal or vegetable products industry including processing of milk, meat, hides and skins, all agr. products and their waste

## RATE OF CESS

(1)	Purpose for which water is consumed (2)	Maximum Rate	From Feb 1992
1.	Industrial cooling, spraying in mine pits or boiler feed.	Three-fourths of a paisa, per kilo litre.	1 1/2
2.	Domestic purpose.	One paisa, per kilo litre.	2
3.	Processing whereby water gets polluted and the pollutants are easily bio-degradable.	Two paise, per kilo litre.	4
4.	Processing whereby water gets polluted and the pollutants are not easily bio-degradable and are toxic	Two and a half paise, per kilo litre.	5

## ANNEXURE-VIII

55  
FORM-I

## RETURN REGARDING WATER CONSUMED DURING THE MONTH OF .....

Name and Address of the consumer	Purpose for which water consumed	Reading at the beginning of the first day of the calender month under report	Reading at the end of the last day of calender month under report	Quantity of water consumed in Kilo litre	If the meter was out of order the monthly average consumption of water for the previous three months of the working period	Quantity on water qualifying for rebate according to the assessee.	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Industrial cooling spraying in mine pits or boiler feed	1. From Municipal water supply mains 2. From well/tube-well 3. from Canal 4. from river 5. from any other source						
2. Domestic purpose	1. from Municipal water supply mains 2. from well/tube-well 3. from Canal 4. from river 5. from any other source						
3. Processing whereby water gets polluted and the pollutants are easily bio-degradable.	1. from Municipal water supply mains 2. from well/tube-well 3. from Canal 4. from river 5. from any other source						
4. Processing whereby water gets polluted and the pollutants are not easily bio-degradable and are toxic	1. from Municipal water supply mains 2. from well/tube-well 3. from Canal 4. from river 5. from any other source						

\*\* For claiming rebate under Column (7) the assessee shall indicate in this column the analytical and other reports annexed to this return in support of this claim.

Signature of the consumer  
Name .....

Address .....

## Annexure TO FORM-I

REPORT OF ANALYSIS OF TREATED EFFLUENT SHOWING PERFORMANCE OF THE TREATMENT PLANT FOR THE MONTH  
OF.....

Sample collected on.....

Sample tested on.....

By the laboratories.....

Sl.No.	Polluting parameters as mentioned in the conditions imposed under consent granted under Section 25/26 of the Water (P&CP) Act 1974.	Maximum permissible limits or ranges allowed as per consent condition	Concentration of range of parameters as per report	Dates on which There was break-down of failure of the plant	Under performance was noticed.
(1)	(2)	(3)	(4)	(5)	(6)

Enclosure: Original Analysis report of Laboratory

Signature

Date

Name &amp; Address

## ANNEXURE - IX

## FORM-1

(See rules 3(b), 5(2) (3) and (6) (iii) )

(Application for obtaining authorisation or for its renewal for collection/reception/ treatment/transport/storage/disposal of hazardous waste)

1. Name and address of the person applying for authorisation/renewal
2. Authorisation required for (Please tick appropriate activity/activities
  - i) Collection
  - ii) Reception
  - iii) Treatment
  - iv) Transport
  - v) Storage
  - vi) Disposal
3. In case of renewal of authorisation previous authorisation number and date.
4. Location/address of the site where the proposed activity/activities is/ are carried out.
5. Important Environmental features of the surrounding areas of the site (Please attach a map of the area. 2.5 Kms, radius with the site at the Centre indicating therein water bodies and important human activities, sensitive features.

6. Chemical identity of hazardous waste as per the schedule enclosed.

7. Quantity of hazardous waste handled.

8. Details of the operation system for carrying out the activity/activities

Signature.....

Name & Address of the person applying for authorisation: .....

On behalf of

Name and Address of the Unit: .....

**ANNEXURE - X**

**SCHEDULE**

(See rules 3(i), 3(n) and 4)  
**CATEGORIES OF HAZARDOUS WASTES**

Waste Categories	Types of Wastes	Regulatory Quantities
1	2	3
Waste Category No.1	Cyanide Wastes	1 kilogrammes per year calculated as cyanide
Waste Category No.2	Metal Finishing Wastes	10 kilogrammes per year the sum of the specified substance calculated as pure metal.
Waste Category No.3	Waste containing water soluble chemical compounds of lead, copper, zinc, chromium, nickel, selenium, barium and antimony.	10 kilogrammes per year the sum of the specified substance calculated as pure metal.
Waste Category No.4	Mercury, Arsenic, Thallium and Cadmium bearing wastes.	5 kilogrammes per year the sum of the specified substance calculated as pure metal.
Waste Category No.5	Non-halogenated hydrocarbons including solvents	200 kilogrammes per year calculated as non-halogenated hydrocarbons.

Waste Category No.6	Halogenated hydro-carbon including solvents	50 kilogrammes per year calculated as halogenated hydrocarbons.
Waste Category No.7	Wastes from paints, pigments, glue, varnish and printing ink.	250 kilogrammes per year calculated as oil or oil emulsions.
Waste Category No.8	Wastes from Dyes and Dye intermediate containing inorganic chemical compounds.	200 kilogrammes per year calculated as inorganic chemicals.
Waste Category No.9	Wastes from Dyes and Dye intermediate containing organic chemical compounds.	50 kilogrammes per year calculated as organic chemicals.
Waste Category No.10	Waste oil and oil emulsions	1000 kilogrammes per year calculated as oil and oil emulsions.
Waste Category No.11	Tarry wastes from refining and residues from distillation or pyrolytic treatment.	200 kilogrammes per year calculated as tar.
Waste Category No.12	Sludges arising from treatment of waste waters containing heavy metals, toxic organics, oils, emulsions and spent chemicals and incineration ash.	Irrespective of any quantity.

1

2

3

Waste Category No. 13 Phenols

5 Kilogrammes per year calculated as phenols.

Waste Category No. 14 Asbestos

200 kilogrammes per year calculated as Asbestos.

Waste Category No. 15 Waste from manufacturing of pesticides and herbicides and residues from pesticides and herbicides formulation units.

5 kilogrammes per year calculated as Pesticides and their intermediate products.

Waste Category No. 16 Acid / Alkaline / Slurry Wastes.

200 kilogrammes per year calculated as Acid/Alkalies.

Waste Category No. 17 Off - Specification and discarded products.

200 Kilogrammes per year calculated as Acid / Alkalies.

Waste Category No. 18 Discarded containers and Containers linears of hazardous and toxic wastes.

Irrespective of any quantity.

**DO'S**

1. Ensure Consent of the Board under the Water and Air Pollution control Laws is obtained.
2. Include financial provision for pollution control measures in the Project Cost of the Industry.
3. Instal pollution control measures before commissioning the industry.
4. Operate and maintain the Effluent Treatment Plant continuously and efficiently.
5. Provide separate technical staff for operation and maintenance of Effluent Treatment Plant/Air Pollution Control measures.
6. Practise waste reduction at source.
7. Develop green belt of adequate depth on the periphery of the industry.
8. Create Environmental awareness among the public in the vicinity.
9. Consider Effluent Treatment Plant/Air Pollution Control measure as part of the industry.
10. Practise reuse of treated effluent.

**CONTROL****DONT'S**

1. Do not operate the plant without the valid consent of the Board.
2. Do not discharge untreated effluent into the neighbourhood.
3. Do not operate the unit with idle effluent treatment plant.

**POLLUTION**

**List of Industries to be kept outside the purview of Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of the Air (Prevention & Control of Pollution) Act, 1981.**

Representations were received from Small Scale Industries to grant them exemption from obtaining the Consent of the Board Under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981. A Standing Committee with the Chairman, Tamil Nadu Pollution Control Board as Chairman and Hon. General Secretary, TANSSIA as Convenor and representatives of Small Scale Industries to sort out the problems faced by Small Scale units in the implementation of Pollution Control Laws was constituted by the Board. A list of industries to be kept outside the purview of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was prepared, and approved by this Standing Committee. The Board in it's resolution No.93-106 dated 21-3-90 approved the list (Vide Annexure) subject to the following conditions.

1. The number of workers in the Industry should be less than 20.
2. Industries employing more than 20 workers shall obtain the Consent of the Board, and comply with the required formalities.
3. It should conform to the land use classification by the competent authority.
4. If any industry in the list appended creates conditions that generate any type of pollution, or if there is any objection from the surrounding Community, and if on verification it is found that such objection has some substance, the facility given to the industry would be withdrawn.
5. Any act of omission/commission on the part of the units listed in the annexure, resulting in pollution or violation of standards prescribed by the Board will not bind/restrain the Board from taking appropriate legal action under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 as amended in 1988 and Air (Prevention and Control of Pollution) 1981 as amended in 1987.

**P.M.Belliappa, I.A.S.**  
Chairman, T.N.P.C.B.

## ANNEXURE - XI

1. Motor Rewinding
2. Automobile Repair Shops, body building units, subject to noise pollution.
3. Engineering Workshop, Machine Shop, Press Shop, Sheet Metal fabrication, Grinding, General fabrication, subject to noise pollution.
4. Motor and Pump making (without foundry), transformers (without oil)
5. Bi-Cycle and Tri-Cycle parts making unit (without electroplating).
6. Bi-Cycle assembling unit.
7. Belt fasteners unit (Steel).
8. Fabrication units connected with Animal drawn vehicles, agricultural implements, trailers.
9. General wire industries like wire drawing, barbed wire, chain links making units.
10. Block making, Printing, Offset Printing.
11. Bottle Washers, Bottle Coolers.
12. Black Smithy Shop.
13. Drawing, surveying and other instruments making units.
14. Weighing machines making unit.
15. Automobile, Car, Truck, Tractor, Two wheeler parts and accessories making unit (without electroplating and heat treatment).
16. Carpentry units - making items for housing and construction and Industrial.
17. Brush making units with fibres/plastic.
18. Furniture making units - Steel and Wood.
19. Musical Instruments.

20. Blue Metal crushing units (1km. away from habitation NH/SH and sensitive areas)
21. Building materials like padlocks, towerbolts, reinforcement, scaffolding.
22. Aluminium, Stainless Steel, Brass Vessel making unit.
23. Crown cork making units.
24. Paper Pins, U Clips, Pen holders (without electroplating), Pencils, Pen and Paper Products.
25. Radio, VCR, T.V.Audio Video Equipments Assembly and servicing.
26. PCB Assembly with Electronic Components like capacitors, resistors, Diodes.
27. Rolling shutters.
28. Hand tools (without involving forging, heat treatment, plating).
29. AC, Room Coolers, Water Cooler/heaters.
30. House hold appliances - Stoves, Cookers, Toaster, Kitchen equipments (without plating).
31. Nails, Screws.
32. Sports Goods.
33. Toys.
34. Umbrella, Raincoats, Tarpaulins.
35. Mosaic Tiles, Cement Pipes, Spun Pipes.
36. Brick making - manual and wire cut - Unit.
37. Electrical Switches, Panel board.
38. Plastic Cable manufacturing.
39. Finished leather goods - conversion of finished leathers.
40. Agarbathi (Dry Process), other cosmetic products manufactured by blending.
41. Soaps, Detergents, Phenyl (Excluding manufacture of acid slurry)

42. Dry distempers (without kiln/furnace)
43. Floor Polish, Nail Polish, Tooth Powder.
44. Hair Oil, Shampoo, Tooth Paste.
45. Mineralised Water and Aerated Water (not exceeding 500 bottles/day)
46. Insulation and other coated papers - papers and pulp excluded - paper conversions like cone, tubes, bags, boards and cartons, envelopes, saucers, cardboard and paper products, napkins, dishes, stencils, labels and transfer labels, teleprinter rolls, taps, toilet paper and wax coated.
47. Wax Candles (Excluding manufacture of wax).
48. Tablets, Capsules and dry formulation units of pharmaceutical Industry.
49. Essential Oil and oleoresins.
50. Flavouring essences (Blendings).
51. Fruit pulping, concentrates, pickles, pappads.
52. Biscuits, paste, Confectionery, Bread, Bakery, 100 kg/day.
53. Cooly flour and Hulling Mills and domestic wet grinding unit.
54. Rice hulling, milling, atta, groundnut, decorticating drying, gaur gum gillet grinding.
55. Mirror making.
56. Railway Sleepers (Concrete).
57. Bamboo and cane products.
58. Wooden boats and trawlers.
59. Wood Crates and packing.
60. Cotton and Woolen hosiery apparel.
61. Cotton Knitware, tape, socks.
62. Cotton Spining and Yarn doubling and weaving 25 HP.
63. All garments.

64. Surgical gauzes, bandages, stove vick, shoe lace, filing tags.
65. Handloom weaving.
66. Fibreglass mouldings, plastic fabrications, extrusions, injection mouldings.
67. PVC Components, coated products.
68. Lab & Scientific equipments without plating.
69. Plastic sack bags, woven sack, PA, Polynit, HIDPE, CDPE, PVC tubes.
70. Generator not more than 135 HP.
71. Units making aluminium Vessels/Brass Vessels (without wet operations).
72. Saw Mills (not in residential Area).
73. Gold Smithy Shops (House Hold).
74. Small dyeing units (Quantity of Effluent 50 lit/day).
75. Small Hotels, Coffee/Tea Shop, Snack bars & Hotels.
76. Oil Expeller.
77. Goods Transport Units.
78. Ice Factories.
79. Poultry Farms.
80. Match Units.
81. Sericulture Units.
82. Wet grinder Assembly Units.
83. Packing units.
84. Colour/Soda factories (Soft drink not exceeding 500 bottles/day).
85. Scented edible Hydrated Lime Units.
86. Betal nuts cracking.
87. Chewing tobacco.
88. Biogas.

89. Coir units (without soaking).
90. Polythene Bags.
91. Plastic Articles.
92. Plastic Articles.
93. Bumber Wood.
94. Cashew Roasting.
95. Snuff.
96. Book binding.
97. Fire works.
98. Beedi units.
99. Ice Boxes.
100. Shoe lacing.
101. Silver smithy (House Hold units).
102. Fountain pens.
103. P.V.C. Goods.
104. Optical Frames.
105. Coir Furnishing units.
106. Eucalyptus Oil Extraction.
107. Coffee grinding.
108. Needle packing.
109. Vermicelli.
110. Cabinets.
111. Clinics.
112. Optical Glass.
113. Mat Weaving.
114. Chilling.
115. Dal Mills.
116. Rope (Cotton and Plastic).
117. Cold Storage (Small Scale).

118. Raw Garnet Sand

Industries, B P MS No. 513

dt. 22.10.91.

