



TAMIL NADU POLLUTION CONTROL BOARD

FORM II

FORM FOR INDUSTRIES

Application for consent under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended (Central Act, 6 of 1974)

(See Rule 26 of the Tamilnadu Water (Prevention and Control of Pollution) Rules, 1983)

(To be submitted in Duplicate)

1. [a] Full name of the applicant :
(Occupier of the unit)

[b] Designation :

[c] Office address with pin code :

[d] Factory address with pin code :

[e] Phone No. with STD code :

[f] Fax No. with STD code :

[g] E. mail ID :

[h] Web site ID :

2. Full name of the unit :

3. Location of the unit :

[a] Survey No. :

[b] Village :

[c] Taluk :

[d] District ;

4) Local body (Corporation/Municipality/
Town panchayat/Panchayat Union/ Others) :

5) Extent of land (in Hectares) : Owned / Leased

[a] Total :

[b] Built up area :

[c] Solid waste Storage/Disposal area :

[d] Green Belt / Irrigation area :

[e] Vacant area {a-(b+c+d)} :

6. Details of raw material used:

| Sl. No. | Name of the raw material | Quantity | T/m or KL/m or Nos/m | Principal use |
|---------|--------------------------|----------|----------------------|---------------|
| | | | | |

7. Details of fuel used:

| Sl. No. | Type of fuel | Point of use | Quantity in T/d or KL/d | Calorific Value | Ash content | Sulphur content |
|---------|--------------|--------------|-------------------------|-----------------|-------------|-----------------|
| | | | | | | |

8. Details of products manufactured:

| Sl. No. | Name of the product | Quantity | T/m or KL/m or Nos/m | End use |
|---------|-----------------------|----------|----------------------|---------|
| | Products | | | |
| | Byproducts | | | |
| | Intermediate products | | | |

9. Manufacturing process :

10. [a] Source of Water :

[b] Water Consumption (WC) in KLD

- (i) WC I (Cooling & Boiler feed) :
- (ii) WC II (Domestic) :
- (iii) WC III (Process-Easily biodegradable) :
- (iv) WC IV (Process- Not Easily biodegradable) :
- (v) Total :

11. [a] Details of sewage/effluent generation and disposal:

| Outlet No. | Description of Outlet (Indicate sewage or trade effluent) | Maximum daily discharge in KLD | Mode of disposal | Area of land earmarked for disposal |
|------------|---|--------------------------------|------------------|-------------------------------------|
| | Sewage | | | |
| | Trade effluent | | | |

[b] Sources of Trade Effluent :

12. Details of Sewage/effluent treatment plant:

[a] Individual ETP or CETP :

[b] Structural components

| Sl. No. | Name of the treatment unit | NO.OF UNITS | Dimension in metres |
|---------|----------------------------|-------------|---------------------|
| | I. Sewage | | |
| | II. Trade effluent | | |

13 a. Details of Non hazardous Solid Wastes.

| S. No | Nature of Solid Waste | Quantity T/month | Mode of disposal | Area of land earmarked for storage/disposal |
|-------|-----------------------|------------------|------------------|---|
| | | | | |

13 b. Details of Hazardous Wastes.

| S. No | Category No. | Name of the waste | Quantity T/A | Mode of disposal | Area of land earmarked for storage/disposal |
|-------|--------------|-------------------|--------------|------------------|---|
| | | | | | |

14. Total Gross Fixed Assets (GFA) (Rs. in Lakhs) :

15 Cost of Water Pollution control measures
(Rs. in Lakhs) :

16. No. of Employees working per day
(including contract workers) :

17. Date of commissioning :

18. Details of habitation: (All the habitations located within 1KM radius of the unit)

| S. No. | Name | Distance in Kms | Population |
|--------|------|-----------------|------------|
| | | | |

19. [a] Name of the nearby Roadways :
(NH / SH / MDR / ODR)

[b] Distance from the site in Kms. :

20. Details of water bodies like lakes/rivers/canals within
a radius of 1 KM and rivers within a radius of 5 KM

[a] Name of the water source :

[b] Distance (in meters) :

21. [a] Land use classification of the site :

[b] Authority which classified the land use :

22. Name and distance of the sensitive area like places
of Archeological importance, National Park, Wild Life
Birds sanctuary, Marine National Park, Mangrove
Forests, reserved forests, marsh lands if any located
within 10 KM radius of the unit :

23. Is the unit is located within 1Km from marine
coastal area (sea, estuaries, back waters) : **Yes/No**
If Yes please mention the distance from the unit :

24. Name and full address of all the Directors/Partners:

Declaration:

1. I certify that all the information / data supplied are true and I have not suppressed any relevant information. I am aware that furnishing incorrect information / suppression of relevant information attracts the penal action under section 42 of Water (P&CP) Act, 1974 as amended
2. I hereby undertake to make a fresh application for consent in case of change of either of a product/point of discharge or of the quantity of discharge or its quality.
3. I hereby undertake to abide by the directions/instructions issued by the Board from time to time.
4. I hereby undertake to apply for consent to operate/renewal of consent along with the required details 30 days prior to the expiry of consent order.

Signature of the Applicant
Name and designation

Place:

Date :

LIST OF ATTACHMENTS TO BE ENCLOSED BY THE PROPONENTS ALONG WITH THE APPLICATION UNDER WATER & AIR ACTS (GREEN SITE / EXPANSION).

| Sl. No. | Description | Yes | No | Remarks |
|------------------|--|------------|-----------|----------------|
| A.GENERAL | | | | |
| 1 | A covering letter in duplicate stating the activities of industry clearly. | | | |
| 2 | Copy of sale Deed /Lease Deed or any other relevant documents as proof to ensure possession of the site/factory for which application is made by the applicant. | | | |
| 3 | Copy of Memorandum of Articles in case of Public/Private sectors or registered partnership deed in case of partnership company. | | | |
| 4 | Layout plan showing the location of various process equipments, utilities like boiler, generator etc, effluent treatment plant, outlet location, non-hazardous and hazardous waste storage yard. | | | |
| 5 | Detailed manufacturing process for each product along with detailed process flow chart. | | | |
| 6 | Details of Water and Material balance for each products and process. | | | |
| 7 | Topo sketch showing the distance of water bodies, roads, existing/proposed residential areas, agricultural lands, important religious locations, educational institutions, ancient monuments, archeological places and other sensitive areas for 1 KM. radius from the units. (Preferably Map drawn to scale). | | | |
| 8 | Land use classification certificate as obtained from CMDA / DTCP/LPA. | | | |
| 9 | Break up details for the Gross fixed Assets duly certified by an Auditor | | | |
| 10 | Ground water clearance details (if required) | | | |
| 11 | Demand Draft for consent fees under Water and Air Acts. | | | |
| 12 | All the documents must be authenticated with signature of the Occupier of the unit. | | | |

| B: ETP/ APC MEASURES (If applicable) | | | |
|---|--|--|--|
| 13 | In case of trade effluent generating units, Effluent Treatment proposal must be enclosed which must contain details including breakup quantity of water requirement with sources, breakup quantity of trade effluent, sources of trade effluent, characteristics of wastewater, treatment methodology, mode of disposal, design criteria for various units, detailed drawing of Effluent Treatment Plant and its layout, diagram showing the hydraulic profile and mode of disposal of treated effluent and its adequacy. | | |
| 14 | In case of any emission from the process Air pollution control measures proposal must be enclosed which must contain the details regarding fuels used, sources of emission, characteristics, concentration and quality of pollutant, proposal along with design criteria and drawing for the proposed APC measures, adequacy of Air Pollution Control measures and stack, odour causing operations and its specific odour control measures. | | |
| 15 | In case of noise pollution, details regarding source along with control measures of noise pollution. | | |
| C: HAZARDOUS / NON-HAZARDOUS SOLID WASTE (if applicable) | | | |
| 16 | In case of non-hazardous solid waste generation, details regarding source with exact quantity of solid waste and its method of collection and treatment with extent of earmarked area for its disposal. | | |
| 17 | In case of hazardous solid waste generation, details regarding source with exact quantity of hazardous waste and its method of collection, treatment and disposal | | |
| D: HANDLING OF HAZARDOUS CHEMICALS (if applicable) | | | |
| 18 | In case of hazardous chemicals used as raw materials, the Material Safety Data Sheets (MSDS) should be enclosed for each and every item. If the quantity of the hazardous chemicals handled is more than the threshold limit the unit shall furnish any one or combination of the following documents as required under the MSIHC Rules: Risk assessment report/Onsite emergency preparedness plan/Off site emergency preparedness plan. | | |
| 19 | In case of transport of hazardous chemicals, details of chemicals transported, method of transport and its safety measures should be enclosed | | |

| E: UNITS ATTRACTING EIA NOTIFICATION , CRZ NOTIFICATION | | | | |
|--|--|--|--|--|
| 20 | Industries attracting EIA Notification shall submit TOR obtained from the MOEF/SEIAA and the Environmental Impact Assessment Report prepared as per the above TOR. | | | |
| 21 | Attraction of CRZ Notification (if so details thereon) | | | |
| 22 | Agreement with the Common facility (if applicable) | | | |

Signature of the Applicant

Name and designation

WATER ACT
INSTRUCTION FOR THE APPLICANT FOR FILLING UP OF THE FORM

The notes are given only for those items for which explanation is considered desirable.

General Instructions

1. Application must be completed in all respects and enclosures as listed in the check list must be attached. Incomplete applications will not be accepted.
2. All the attachments must be signed by the Occupier of the industry
3. Applications must be filed only by the Occupier of the industry or those authorized by the company to act as occupier of the industry.
4. All the details required must be filled up. If the details asked is not relevant, it must be mentioned as "Not applicable"
5. Application must be submitted in **duplicate**.
6. Furnishing of incorrect information/ data and suppressing information is an offence punishable under the Water (Prevention & Control of Pollution) Act, 1974 as amended and the Air (Prevention & Control of Pollution) Act, 1981 as amended
7. Wherever the space provided in the application form is not adequate, please furnish them as annexure in the format requested.

Item wise instructions

8. Item no. 1 – Here please provide the name and address of the applicant. The applicant shall be either the occupier of the unit or a person duly authorized by the Board of Directors in the case of limited companies or authorized by partners/proprietor in the case of partnership/proprietorship concerns. "Occupier" in relation to any factory or premises, means the person who has control over the factory or the premises, and includes, in relation to any substance, the person in possession of the substance. Please enclose a copy of the authorisation.
9. Item No. 2 - Here give the name of the industry/institution/factory etc., under which the business is carried out. If the applicant has more than one unit in the same name in Tamilnadu, a distinction may be made in the name. Ex. Unit I & Unit II, Power Dn., Chemical Dn., etc.
10. Item No. 3 – Here furnish the details of survey numbers in which the industry is in existence or proposed to be established, name of the village, taluk and district. Please provide all the SF numbers, If sufficient space is not available provide as

annexure. All SF numbers should match with SF numbers in the land document. Please provide it even if you are a lessee. The unit shall enclose a copy of all the land document with the application. If on lease provide lease agreement that indicates the SF No. and the lease value along with the copy of the land document.

11. Item No. 4 – Here mention the name of the local body under which the industry is located or proposed to be located.

12. Item No. 5 – Here mention as ‘owned’ if the land is owned by the company/partner/proprietor as the case may be. If the land is taken on lease then mention as “leased”. 1. Built up area: It includes area allocated for buildings, roads and pavements, etc. To convert the built up area from M² to hectares, divide it by 10000. (Ex. Built up area 200 M² is 0.02 Hec). 2. Irrigation area: Area allocated for developing crops using the treated effluent both within the premises and outside. 3. Green belt area: Area allocated for lawns, gardens and trees within the premises. 4. Solid waste storage area: Area allocated for temporary storage/permanent disposal of non hazardous and hazardous wastes

13. Item No. 6 - Here mention the details of raw materials used and their quantity of consumption. If the space provided in the application is not adequate then provide them as annexure in the same format. Principle use: Please indicate the purpose for which this raw material is used. Ex. Ammonia : To produce urea, NaOH: For degreasing

14. Item No.7 - Here please furnish the details of fuel used in t/day. Under “Point of use” please indicate where it is used example: boiler/ DG set/ furnace, etc. Please enclose a copy of the specification of each fuel as obtained from the supplier

15. Item No. 8 - Here mention the name and the quantity of products/by products/intermediate products manufactured. The unit of production must be same as the unit mentioned in raw material column. (i.e. if the raw materials are given in t/day, then the product unit must also be in t/day). If the space provided in the application is not adequate, please provide them as annexure in the same format. If the unit proposes to manufacture/store/handle hazardous chemicals, the unit shall provide MSDS for all the chemicals. If the quantity is more than the threshold limit prescribed in the MSIHC Rules, please furnish any one or combination of the

following documents depending upon the legal requirement. Risk assessment report/On site emergency preparedness plan/Off-site emergency preparedness plan.

16. Item No.9 - Here please furnish manufacturing process for all the products. If the space provided is not adequate, please provide them as annexure. Please enclose a detailed description of the manufacturing process and flow chart for each product, sources of effluent generation, sources of emission and noise generation, along with material balance and water balance
17. Item 10 (a) – Here mention the source of water (i.e. open well, Tube well, river, canal, Metro Water, TWAD Board, Local body, SIPCOT, SIDCO, Private etc). If the unit is located/proposed in a critical/semi critical area as classified by PWD and if the source of water is groundwater, please enclose a copy of groundwater clearance. In other cases furnish the copy of the approval for water draw/supply.
18. Item No. 10 (b)(i) – Here mention the quantity of water consumed for boiler feed, industrial cooling purposes, spraying in mine pits
19. Item No. 10 (b)(ii) – Here mention the quantity of water consumed for domestic purposes (drinking, toilet, canteen, hostel, etc.)
20. Item No. 10 (b)(iii) – Here mention the quantity of water consumed for the process wherein the water gets polluted and the pollutants are easily bio-degradable (Effluent having COD to BOD ratio less than 2)
21. Item No. 10 (b)(iv) – Here mention the quantity of water consumed for the process wherein the water gets polluted and the pollutants are not easily bio-degradable and are toxic
22. Item No. 11(a) – Here mention the maximum daily quantity of sewage/ trade effluent generated or proposed to be generated (in case of proposed unit), method of disposal (on land for green belt development or on Solar Evaporation Pan (SEP) or reused in the process) and area of land earmarked for disposal if applicable
 - a. If the unit intend to discharge on land for irrigation/gardening, the unit shall earmark adequate area within the premises based on the hydraulic loading rate of 35 KL/Hect/day.
 - b. If the unit intend to discharge through SEP, the unit shall provide SEP area calculated based on 4.5 mm/day evaporation rate.

- c. If the unit intend to discharge into sea or marine coastal area, the exact point of disposal shall be decided based on the oceanography study conducted by a competent authority and report enclosed.
- d. If the unit intend to discharge into sewers, the unit shall obtain necessary permission from the authority who is incharge of the operation of the sewer.
- e. If the unit intend to discharge into CETP, or in the ETP of sister concern please furnish a consent letter from the CETP/sister concern
- f. If the unit intend to recycle the treated effluent/sewage, a detailed technical feasibility report shall be submitted.
- g. If the unit intend to recycle the treated effluent/sewage in other units/places, a consent letter from the end user along with the technical feasibility report shall be submitted.

23. Item No. 11(b) – Here mention the sources from which the trade effluent is generated

24. Item No. 12(a) - Here please furnish whether the unit has provided / proposed to provide individual STP/ETP or whether it is a member of Common Effluent Treatment Plant (CETP). If so the name of CETP may be furnished

25. Item No. 12(b) - Here please furnish the name of treatment units its dimension, and the number of units and horse power of electrical equipments. Please enclose a detailed report incorporating design, plan, cross sectional drawings, dimensions and mechanical components.

26. Item No.13 (a) - Here please furnish the name of the non hazardous solid waste (paper, plastic, ash etc.,) quantity of the waste generated (in case of existing industry) and proposed to be generated (in case of proposed industry), how it is disposed (in case of existing industry) or proposed to be disposed (in case of proposed industry), area earmarked for storage/disposal.

27. Item No.13 (b) - Here please furnish the category, name and quantity of hazardous waste generated in case of existing industry and proposed to be generated in case of proposed industry, method of disposal, area earmarked for storage/disposal. Please refer to the Hazardous Waste (Management & Handling) Rules, 1989 as amended in 2003 in the Ministry of Environment and Forests web site

(www.envfor.nic.in). Please note that the unit generating hazardous waste must file a separate application to obtain authorization under the HW (M&H) Rules, 1989 as amended. The application forms can be had from the District Office.

28. Item No. 14 - Here the Gross fixed asset (GFA) means the gross value of land, building, plant & Machineries and all other fixed assets. Existing unit shall substantiate it with a copy of latest balance sheet or auditor certificate. If the unit is on lease land or building or both, land and building component of GFA shall be 20 years lease value. Ex. if the monthly lease value is Rs. 10000, then the land and building cost is 10000 x 12 x 20, ie Rs. 24,00,000.
29. Item No.15 – Here mention the cost of construction of Effluent/sewage treatment plant along with cost of mechanical equipments.
30. Item No.17 - Here mention the date of commissioning. In case the unit is in existence please furnish proof for date of commissioning. In case of proposed unit please furnish the probable date of commissioning
31. Item No. 18 - Here please enclose a topo sketch showing the habitations, roads, water bodies, reserve forest, state boundary and other prominent features located within 1Km from the boundary of the premises. In case the industry is located within 10 km from the state boundary, please indicate the distance of state boundary from the unit.
32. Item No. 20: 1. Here please indicate the significant water sources like rivers, lakes, canals, etc. 2. Please note that setting up of certain type of industries are banned up to 1 Km from certain water bodies and up to 5 Km from certain rivers. Please see “GO-213 &127” (please check www.tnpcb.gov.in). If the unit is to be located just outside these banned areas (ex. 1.5 Km from a specified water source, 5.5 Km from a specified river), it has to be supported by certificate indicating the actual distance from the water source with latitude and longitude details obtained from a reputed educational institution.
33. Item No. 21 (a) & (b) - Here mention the land use classification as furnished by competent authority. Please enclose a copy of land use certificate obtained from the competent authority (CMDA/DTCP/LPA). In case the land is unclassified, please attach certificate obtained from CMDA/DTCP/LPA

34. Item No. 23: Here please indicate the exact distance from the seashore/backwaters. If the unit is located within 1Km from the seashore/backwaters it has obtain certificate from Anna University stating whether the unit falls within the CRZ area or not. If the unit falls within the CRZ area and if the unit is a permitted activity, the unit shall obtain CRZ clearance from the concerned authorities.

35. Item No. 24 - Here please mention the name and address of the Directors in case of limited concern and name and address of partners in case of partnership firm. Please furnish a copy of the MOAA in case of limited concern and partnership deed in case of partnership firm.
