



Form IV A / IA

# KERALA STATE POLLUTION CONTROL BOARD

## APPLICATION FOR CONSENT/AUTHORISATION/REGISTRATION (INDUSTRIES/ESTABLISHMENTS)

### PART I

#### NAME AND ADDRESS OF INDUSTRY/ESTABLISHMENT:

I am the occupier of above industry/establishment. I hereby apply for clearance/s under:

*tick appropriate cells*

NAME OF STATUTE	ESTABLISH	OPERATE	RENEW

- The entries in the application/s are true to the best of my knowledge, information and belief. I have signed hereunder, at the end of the application/s and on enclosure/s in affirmation of that.
- I undertake to furnish any information, explanation and/or clarification within 15 days of it being called for to make my application complete. I understand that the date on which the application is made complete in all respects will only be counted as the date of the application.
- I agree to abide by the conditions of the Consent/Authorisation/ Registration and the pertinent legal provisions.
- I undertake to render access to functionaries and empowered officers of the Board to inspect the industry/establishment and its premises and peruse records thereof.
- Any change in line of activity/pollution load will be effected only after obtaining the Consent/ Authorisation/Registration for which a fresh application will be made.

Place : Signature :  
Date : Name :  
Designation :

**PART II**  
**GENERAL INFORMATION**

1.

	REGISTERED OFFICE/ ADMINISTRATIVE OFFICE	OCCUPIER
Postal Address		
PIN		
Telephone		
Fax		
e-mail		
Website		

2.

	OWNERSHIP	AREA IN HECTARE	ADDRESS OF LESSOR, IF ON LEASE
Built up area			
Free area			
Survey no.		Ward no. & name	
Village		Panchayat/ Municipality/ Corporation	
Taluk		District	

(Possession certificate from taluk office in support of ownership of land shall be furnished in case of application for stone crushers)

3.

Management : Government/Quasi-government/Local body/Trust/Co-operative/ Proprietary concern/Partnership/Private/Public Limited Company/ other (specify)

Scale : Large/Medium/Small (as per norms of Industries Department)

Category : Red/Orange/Green (as per the norms of the Board)

4. Particulars of last clearance/s obtained:

CLEARANCE	GRANT/ REFUSAL	No.	DATE	VALIDITY
Consent under Water Act				
Consent under Air Act				
Authorisation under HW Rules				
Registration under Plastic Rules				

5. Date of Commissioning:  
(if new, anticipated date)

6. Nearest building/water body within 100 m: (250m for stone crushers)

	OWNERSHIP	USE	DISTANCE, in m (to be marked on site plan)
From factory building			
From Effluent Treatment Plant			
Dug well/tube well/pond			
stream/river/lake/ backwater/sea			

7. Raw materials (including fuels & lubricants) and products

RAW MATERIAL	UNIT	QUANTITY PER DAY	PRODUCT	UNIT	QUANTITY PER DAY

8. In case of manufacture of plastic carry bag/container:  
(Plastic Manufacture and Usage Rules)

	QUANTITY	Minimum sizes of carry bags (not be less than 8" x12")	Status of compliance with Rules 5,6,7&8
Carry bag virgin			
Carry bag recycled			
Containers virgin			

9. Total manpower

10. Working season: ..... to ..... / round the year

11. No. of working days per year: .....

12. Number of staff quarters within the premises:

Number of residents:

13. Production process:

(Attach flow sheet and project report)

14.

GROSS FIXED CAPITAL INVESTMENT in lakh*(Rs)	AMOUNT	MODE OF PAYMENT	PERIOD

\*(Produce affidavit in stamp paper worth Rs.50/- or Chartered Accountant's Certificate or copy of Audited Balance Sheet)

**PART III**  
**WASTE WATER MANAGEMENT**

1. Water consumption details:

Sl. No.	PURPOSE	CONSUMPTION l/d
1	Cooling (non-contact)	
2	Cooling (contact), humidification	
3	Boiler feed	
4	Domestic (including sanitation and canteen)	
5	Processing	
6	Formulation	
7	Irrigation (including gardening)	
8.	Others (specify)	
	TOTAL	

2. Source/s of water with quantity:

3. Effluent treatment details:

*(Detailed project report of effluent treatment with schematic diagram of each unit operation/ process is to be provided. Include details of sludge management system also.)*

4. Effluent quantity and quality:

OUTLET NUMBER	QUANTITY m <sup>3</sup> /d	QUALITY			RECIPIENT BODY*
		PARAMETER	UNIT	CONCENTRATION	

*(\* In case of discharge to land, extent and survey number shall be provided)*

5. Recycle/Reuse of treated waste water:

QUANTITY, l/d	USE

6. Water Budget:

*(Account for difference between water consumption and effluent generated)*

7. Details of rain water harvesting:

**PART IV**  
**AIR POLLUTION MANAGEMENT**

1. Fuel consumption:

FUEL	CONSUMPTION tpd/kld	USE
Coal		
LSHS		
Furnace oil		
Diesel		
Others (specify)		

2. Fugitive emissions:

Sl. No.	Sources	Control Measures

3. Stack details:

STACK No.	MATERIAL OF CONSTRUCTION	DIMENSION		HEIGHT ABOVE ROOF LEVEL, m (for generators only)
		HEIGHT, m	DIAMETER, cm	

STACK No.	Source of Emission		Fuel	
	EQUIPMENT	CAPACITY	TYPE	QUANTITY (tpd or kld)

4. Emission details:

STACK No.	DESIGN FLOW Nm <sup>3</sup> /h	CONCENTRATION in mg/Nm <sup>3</sup> , at 12% CO <sub>2</sub> correction				
		PM	SO <sub>2</sub>	NO <sub>x</sub>	CO	Others

5. Emission control & monitoring:

STACK No.	PORT HOLE (Y/N)	PLATFORM (Y/N)	LADDER (Y/N)	ON-LINE MONITORING	
				CONTINUOUS (Y/N)	PERIODIC (Y/N)



SOURCES	CONTROL MEASURES

6. Ambient air quality:

*(applicable for large scale red category units only)*

LOCATION	AIR QUALITY, microgram/m <sup>3</sup>						Sound dB(A)Leq	
	SPM	SO <sub>2</sub>	NO <sub>x</sub>	RSPM	H <sub>2</sub> S	Others	D*	N*

*(D\* Day time - 6 am to 10 pm; N\* Night time - 10 pm to 6 am)*

**PART V**

**SOLID WASTE MANAGEMENT**

**HAZARDOUS WASTE MANAGEMENT**

1. Activity for which authorisation is sought:  
(tick in appropriate cells)

Collection		Transportaion	
Reception		Storage	
Treatment		Disposal	

2. Details of hazardous waste as defined in the Hazardous Wastes Rules:

Sl. No.	TYPE OF WASTE	CATEGORY OF WASTE	QUANTITY	QUALITY

Sl. No.	TYPE OF WASTE	MODE OF		
		STORAGE	TREATMENT	DISPOSAL*

\*if disposed to common TSDF, provide details of on-site storage and transport

3. Details of Registration obtained from Central Pollution Control Board:

*(in the case waste re-processors/re-refiners only, attach copy of Registration Certificate)*

4. Isolated storage of hazardous chemicals:

*(Schedule II of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989)*

CHEMICAL	USE	MODE OF STORAGE	CAPACITY <i>in t</i>

5. Whether emergency plans are prepared for taking

- on-site measures Yes/No
- off-site measures Yes/No

**6. NON-HAZARDOUS WASTE MANAGEMENT**

CATEGORY	QUANTITY <i>in t / y</i>	DETAILS OF STORAGE, TREATMENT & DISPOSAL
Garbage		
ETP Sludge (Non hazardous)		
Others (specify)		

**OTHER PARTICULARS**

7. Green-belt details:

*(also to be shown in site plan)*

8. Details of litigations pending, if any, against pollution due to your establishment:

9. Details of separate energy meters, if provided, for pollution control equipments:

10. Details of stand-by power, if provided, for pollution control equipments:

11. Any other pertinent matter:

Signature:

Name:

### **Accompaniments:**

1. Document indicating remittance of consent fee.
2. Site plan (in A4/A3 size) showing residences/structures, water bodies, roads etc., within 100m radius of the industry (250m in case of crusher industry)
3. Affidavit in stamp paper worth Rs. 50/- or Certificate by Chartered Accountant or such other evidence on gross fixed capital investment, without depreciation.
4. Plant lay out with location of effluent treatment plant and outlet/s (in A4/A3 size). Set back between the boundary and the structure shall be indicated.
5. Process flow diagram.
6. Effluent Treatment Plant flow diagram.
7. Analysis reports on effluents, water, emissions, air and sound level.

### **INSTRUCTIONS**

1. The application is to be made by the occupier.
2. The application is to be submitted in triplicate to the Office of the Board in the District.
3. The duplicate and triplicate copy can be photocopies of the original but copy should have the signature of the applicant in original. The copy should have copies of the accompaniments.
4. State NA if any item is not applicable.
5. If the space provided is insufficient, duly referenced additional sheets can be used.
6. The gross fixed capital investment shall include the cost of land, buildings, plant, machinery, etc. without depreciation upto the date of application. If the land is on lease 20 times of the annual lease amount shall be taken as cost of land.
7. Consent fees shall be paid for a period of 3 years. In case fees under Water Act, Air Act, BMW Rules, Plastic Rules are already paid for part of the period, proportionate fees for the balance period are to be paid. For the purpose of calculation of consent fee, part of a year shall be counted as one year.
8. The consent fees is to be paid in favour of Kerala State Pollution Control Board.
9. The water consumption in Part III shall not exceed that specified in the Schedule of the Water Cess Rules, 1978. In case that is exceeded, the reason thereof is to be stated.
10. The analytical data in Part III and Part IV shall be supported by reports of analysis done by laboratory approved by the Board.
11. Pollution prevention, control and monitoring facilities may be got designed and installed preferably by consultants approved by the Board.
12. The following documents are available at the Board offices on request, free of cost.
  - 1)Chart of consent fee payable
  - 2)Categorisation of industries into red/orange/green.
  - 3)Schedule of Water Cess Rules, 1978.
  - 4)List of laboratories/Consultants approved by the Board.

**Attachment for Compliance with Hazardous Wastes**  
**(Management and Handling) Rules, 1989**

Form-I

[(See Rule 2(b), 5(2), (3) and (6) (ii)]

**APPLICATION FOR AUTHORISATION/RENEWAL OF AUTHORISATION  
FOR COLLECTION / RECEPTION / TREATMENT / TRANSPORT / STORAGE /  
DISPOSAL OF HAZARDOUS WASTES**

From : .....

.....

.....

To,

The Member Secretary,

Kerala State Pollution Control Board

.....

.....

Sir,

I/We hereby apply for authorisation / renewal of authorisation under sub-rule (3) of Rule 5 of the Hazardous Waste (Management and Handling) Rules, 1989 for collection/reception/treatment/transport/storage/disposal of hazardous wastes.

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**(FOR OFFICE USE ONLY)**

1. Code. No:
2. Whether the unit is situated in a critically polluted area as identified by Ministry of Environment & Forests:

## TO BE FILLED IN BY APPLICANT

### PART - A GENERAL

3. (a) Name of the Owner/Occupier:  
(b) Name and address of the unit and location of activity  
(c) Authorisation required for (please tick mark appropriate activity/ activities):
  - (i) collection
  - (ii) reception
  - (iii) treatment
  - (iv) transport
  - (v) storage
  - (vi) disposal  
(d) In case of renewal of authorisation, previous authorisation number and date
4. (a) Whether the unit is generating hazardous waste as defined in the Hazardous Wastes (Management and Handling) Rules, 1989  
(b) If so, the Category No.
5. (a) Total capital invested on the project:  
(b) Year of commencement of production:  
(c) Whether the industry works general/2 shifts/round the clock:
6. (a) List and quantum of products and by-products:  
(b) List and quantum of raw materials used:
7. Furnish a flow diagram of manufacturing process showing input and output in terms of products and waste generated including for captive power generation and demineralised Water.

### PART-B

#### PERTRAINING TO SEWAGE AND TRADE EFFLUENT

8. Quantity and source of water for:
  - (a) Cooling m<sup>3</sup>/d
  - (b) Process m<sup>3</sup>/d
  - (c) Domestic use m<sup>3</sup>/d
  - (d) Others m<sup>3</sup>/d
9. Sewage and trade effluent discharge:
  - (a) quantum of discharge m<sup>3</sup>/d
  - (b) Is there any effluent treatment plant:
  - (c) If yes, a brief description of unit operations with Capacity:
  - (d) Characteristics of final effluent pH:
    - Suspended solids
    - Dissolved solids

Place

Signature

Date

Designation

Chemical Oxygen Demand (COD)

Biochemical Oxygen Demand [(BOD<sub>5</sub>/20°C)]

Oil and grease

(Additional parameters as specified by the concerned Pollution Control Board)

(e) Mode of disposal and final discharge point (enclose map showing discharge point):

(f) Parameters and Frequency of self monitoring:

#### PART-C

#### **PERTAINING OF STACK (CHIMNEY) AND VENT EMISSIONS**

10. (a) Number of stacks and vents with height and dia (m)

(b) Quality and quantity of stack emission from each of the above stacks-particulate matter and sulphur dioxide (SO<sub>2</sub>) (Additional parameters as specified by the concerned Pollution Control Board):

(c) A brief account of the air pollution control unit to deal with the emission:

(d) Parameters and Frequency of self monitoring:

#### PART-D

#### **PERTAINING TO HAZARDOUS WASTE AND HAZARDOUS CHEMICAL**

11. Solid Wastes:

(a) Total Quantum of generation

(b) Quantum of hazardous waste generated and its nature, as defined under the Environment (Protection) Act, 1986. (See the Hazardous Wastes (Management and Handling) Rules, 1989):

(c) Mode of storage within the plant, method of disposal and any other information sought by the concerned Pollution Control Board:

12. (a) Hazardous Chemicals as defined under Environment (Protection) Act, 1986 ("See the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989):

(b) Whether any isolated storage is involved if yes, attach details Yes/No

(c) Whether emergency plans are prepared for taking

- On site measures Yes/No

- Off-site measures Yes/No

Yours faithfully,

Name and Signature of applicant



TABLE I

Sl. No.	CAPITAL INVESTMENT (C.I) Rs.	ANNUAL RATE OF CONSENT FEE (Rs.)		
		CATEGORY		
		RED	ORANGE	GREEN
1	Upto 1 lakh	540	490	440
2	1 to less than 2 lakh	640	590	540
3	2 to less than 3 lakh	740	690	640
4	3 to less than 4 lakh	840	790	740
5	4 to less than 5 lakh	940	890	840
6	5 lakh	1140	1040	940
7	Above 5 to less than 6 lakh	1470	1370	1270
8	6 to less than 7 lakh	1570	1470	1370
9	7 to less than 8 lakh	1670	1570	1470
10	8 to less than 9 lakh	1770	1670	1570
11	9 to less than 10 lakh	1870	1770	1670
12	10 lakh	2370	2120	1920
13	Above 10 to less than 15 lakh	3370	3120	2920
14	15 to less than 20 lakh	3670	3420	3170
15	20 to less than 25 lakh	3970	3670	3420
16	25 to less than 30 lakh	4420	4020	3670
17	30 to less than 35 lakh	5440	4640	3670
18	35 to less than 40 lakh	5440	4640	4170
19	40 to less than 50 lakh	6560	5600	4800
20	50 to less than 75 lakh	12000	10000	8000
21	75 to less than 100 lakh	15000	12000	10000
22	1 to less than 5 crore	20000	17000	14000
23	5 to less than 10 crore	35000	25000	20000
24	10 to less than 25 crore	70000	60000	50000
25	25 to less than 50 crore	100000	80000	70000
26	50 to less than 100 crore	120000	100000	80000
27	100 to less than 150 crore	140000	110000	90000
28	150 to less than 200 crore	200000	160000	120000
29	200 to less than 250 crore	250000	200000	150000
30	250 to less than 300 crore	300000	240000	180000
31	300 to less than 400 crore	400000	320000	240000
32	400 to less than 500 crore	500000	400000	300000
33	500 to less than 600 crore	600000	480000	360000
34	600 to less than 700 crore	700000	560000	420000
35	700 to less than 800 crore	800000	640000	480000
36	800 to less than 900 crore	900000	720000	540000
37	900 to less than 1000 crore	1000000	800000	600000
38	1000 crore & above	0.01% of C.I.	0.008% of C.I.	0.006% of C.I.

**TABLE- II**

<b>Sl.No.</b>	<b>Population, in lakh</b>	<b>Consent fee (Rs.)</b>
(1)	(2)	(3)
1	Upto 1 lakh	1,500
2	1 to less than 1.5	3,000
3	1.5 to less than 2	4,500
4	2 to less than 2.5	6,000
5	2.5 to less than 3.0	7,500
6	3.0 to less than 3.5	9,000
7	3.5 to less than 4.0.	10,500
8	4.0 to less than 4.5	12,000
9	4.5 to less than 5.0	13,500
10	5.0 to less than 6.0	15,000
11	6.0 to less than 7.0	18,000
12	7.0 to less than 8.0	21,000
13	8.0 to less than 9.0	24,000
14	9.0 to less than 10.0	27,000
15	10.0 and above	30,000