**APPLICATION**

**FOR**

**CONSENT**

**For**

**Establishment of Industries etc.**

**Under Section 25/26 of The Water (Prevention & Control of Pollution) Act, 1974 and**

**Section 21 of The Air (Prevention & Control of Pollution) Act, 1981**

**Mizoram State Pollution Control Board**

**New Secretariat Complex, Khatla, Aizawl, Mizoram – 796001**

**Phones: (0389) 2336713, 2336590**

**Fax: (0389) 2336591**

**1. GENERAL**

* 1. Name of the industry
	2. Address for correspondence

Phone

Fax

E-mail

* 1. Name and address of proponent
	2. Name and address of consultant

appointed, if any

* 1. Total investment of proposed Industry

**2. PROCESS DETAIL**

2.1 List of main products proposed to

 be produced with designed daily

 production capacity

2.2 List of by-products produced with

 design daily product capacity

2.3 Time phasing for achieving full pro-

 duction capacity

**2.2 RAW MATERIALS CONSUMPTIONS**

2.2.1 List of all raw materials with daily

 consumption at full production

 capacity

2.2.2 List of all process chemicals/materials

 consumed with appropriate quantities

2.2.3 Is any recycled material from the waste

of your industry of any other industry

used in the processed If so, please specify

 quantities and source.

2.2.4 Is any material salvaged from your

 waste streams reuseable economically

 for any other purpose ? If so, please

 specify details of quantities and prob-

 able use

**2.3 MANUFACTURING PROCESS**

2.3.1 Source of process knowhow {in-

 House/National Laboratory/Foreign/

 Other (specify)}

2.3.2 Have you considered less polluting

 Process alternatives?

2.3.3 Give a brief description of the process

 technology utilised with a flow chart.

2.3.4 Have you any foreign collaboration?

**2.4 ENERGY CONSUMPTION**

* + 1. Source of energy
1. In-plant generation
2. Public supply
	* 1. If energy is generated in plant, type

and quantity of fuel daily consumed

(see table below)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fuel** | **Coal** | **Fuel Oil** | **Diesel** | **Natural Gas** | **Wood** | **Electricity** | **Other (Specify)** |
| Dailyconsumptionin tonnes/units |  |  |  |  |  |  |  |

**3. GENERAL ENVIRONMENT (Site,Climate,Settlement)**

3.1 Site

3.1.1. Where is the plant proposed to be

 sited? Attached map showing

topographical features of the area.

3.1.2 Area of land

3.1.3 Area proposed to be built up or developed

3.1.4 Present use of land

3.1.5 Indicate the nature of topography near

 the site.

3.1.6 Specify site character

3.1.7 Is the land situated within any municipal or

 corporation jurisdiction? If not, how far from

 it (please specify).

3.1.8 Nature and details sbout other indus tries

 located within 5 km from the proposed site

3.1.9 Is the land situated in an approved industrial

 zone or estate? How far from the nearest town

 or human settlement ?

3.1.10 Do any of the following features exist within

 20 kms. Of the sites?.If so,please specify in

 appropriate units.

 i)Human settlements (specify number of houses)

 ii) Agriculture land (specify crops)

 iii) Grazing lad (specify area)

 iv) Fisheries (specify annual catch)

 v) Forest/sanctuary/natural part

 vi) Ponds/lakes/Dams (specify name)

 vii) Streams/Rivers (specify name)

viii) Archaeological/historic/cultural/

 scenic sites/ scientific/ institutions/

hospitals/sanctuaries/religious/tourist/

defence importance (specify name and

significance)

ix) Other industries, specify (name,

major industries, number of industrial

workers)

x)Any sensitive industries located

nearby or prohibited zone (limits

prescribed by any authority)

3.1.13 Type of floura and fauna, especially

 wildlife and endangered species

 (specify by name and importance)

3.1.14 Present employment or occupational pattern

3.1.15 Prominent Endemic Diseases

 (Fluorosis, Malaria, Filaria, Malnutrition etc.)

3.1.16 Any other observation regarding the

 state of environment

**3.3 SETTLEMENT**

3.3.1 Total number of persons proposed to be employed

 a) During constructiuon

b) After completion

3.3.2 Do you proposed to build a township

 housing quarters for your employees?

3.3.3 Area allocated for above.

3.3.4 Populatikon to be accomodated

3.3.5 Distance from township to plant site.

**4. WATER REQUIREMENTS**

4.1 What treatment is given before use, if any?

4.2 Average daily quantities of water consumed. (In litres)

i) Process and wash

ii) Cooling

iii)Sanitary

iv)Total

**5. WASTE WATER DISCHARGES**

5.1 Total quantity of waste water discharged

 from the industry per day?

5.2 Wastewater discharge per day from

 i) Process and wash (with break up, if possible)

 ii) Cooling

 iii) Sanitary

 **Total**

5.4 How do you propose to discharge the

 wastewater ?

 i) Separate Streams/combined

 ii) Continuous/intermittant

5.4 Type of treatment proposed to be

 Adopted. Give details and flow chart.

5.5 Mode of final discharge (open

 channel/pipeline/covered drains)

5.6 Point of final discharge- low land/

 agricultural land/sewer/river/lake.

 Details of outfall design

5.7 Is any portion of the waste water pro-

 Posed to be recycled?

5.8 What method do you propose to

 adopt for handling and disposal of

 sludge for treatment plants ?

**6. SOLID WASTES**

6.1 Total quantity of solid waste in

 Tonnes per day

6.2 Nature of waste- Lump/Granules/

 Dust/ Slurry Sludge.

6.3 Type of wastes(organic, inorganic,ash,

 Glass,metal,etc.)

6.4 Method proposed for disposal, include-

 ing treatment plant sludge (please give

 details)

6.4.1 If landfill, possibility of leaching of toxic

 compounds into soil, ground water or

 surfacewater

6.4.2 If incinerated, details of incineration

 plant and procedures

6.5 Do you anticipate any problems

 regarding collection, handling and

 transport of solid wastes?

 If yes, specify.

6.6 Are there any problems of

 subsequent pollution of air,

 water or soil likely at the place

 of disposal of solid wastes ?

 (if yes, please explain indicating

 method proposed for prevention

 of such pollution)

**7. ATMOSPHERIC EMISSIONS**

7.1 Emission From Fuel Burning

7.1.1 Anticipated quantity of stack

 emissions

7.1.3 Temperature of emission

* + 1. Composition of emission

a)Particulates and smoke, nature and

quantity

b) Gases

 Sulphur dioxide

 Nitrogen oxide

 Hydrocarbons

 Carbon monoxide

 Moisture

 Other specify

**7.2 EMISSION OF PROCESS**

7.2.1 Anticipated emissions quantity

7.2.2 Temperature

7.2.3 Compositin of emissions

 a) Partiuculars- Nature and quantity

 b) Gases

 i) Sulphurdioxide

 ii) Nitrogen oxide

 iii) Ammonia

 iv) Carbon Monoxides

 v) Acid mists

 vi) Halogens

 vii) Hydrocarbons

 viii) Mercaptans

 ix) Other, specify

* 1. Please specify the following
1. Name and type of stacks
2. Inter stack distance
3. Height of eack stack
4. Internal Diameter of each

stack at the base and top

1. Exist gas velocity
2. Fine gas characteristics

i) Volume

ii) Temperature

iii) Density

iv) Size distributions of particulars

v) Gas composition

* 1. a) What kind of stack emission

monitoring is proposed?

 b)What equipment is proposed to be

 acquired for this purpose?

* 1. Give details of air pollution control

equipment you proposed to install

7.6 Emission rate of particulates and

 Sulphur dioxide in terms of weight/

 Time expected to be released when

 Control equipment is:

1. Function normally
2. Not functioning

7.7 What special procedures do you

 propose to lay down for air pollution

 control during pedriods when emission

 exceeds prescribed limits for any reason

 including malfunctioning of equipment

7.8 Are any standards of emission prescribed

 For or adopt by your industry?

 If yes, please specify

**8. OTHER TYPES OF POLLUTION**

8.1 Is your industry likely to cause noise pollution ?

8.2 Is your industry likely to cause odour pollution?

8.3 Is your industry likely to cause any thermal pollution ?

8.4 Is your industry likely tp cause radio- active pollution?

**8.6 WORK ENVIRONMENT HYGIENE**

 **AND HOUSEKEEPING**

8.6.1 What major health safety hazards are

 likely in the working environment in

 your factory?

8.6.2 Describe the industrial hygiene

 Measures you propose to adopt.

8.6.3 What provision you have made to conform

 to health and safety requirements as per Factories Act

**9. MANAGEMENT OF POLLUTION CONTROL**

9.1 Give details of the organisational

 set up you propose to have for

pollution control

9.2 What is the level of expertise of

 the person incharge of pollution

 control?

9.3 Do you propose to monitor the

 pollution from your industry?

 If yes give details?

9.4 What laboratories facilities you

 propose to have for the above.

9.5 Give details of operation &

 maintenance facilities you propose to

 have treatment plants and pollution

 level monitoring and control equipments

**10. COST OF POLLUTION CONTROL**

10.1 Total expenditure proposed for

 pollution monitoring and control

11. Details of other industries

 approved for location or under consideration

 for location within 10 kms distance.

 (*This should be provided in consultation*

 *with the appropriate central/state authorities*.)

12. Any other additional information and

 summary statement about environmental

 impacts for your indusry.

Date: Signature

Place: NAME

 DESIGNATION

 ADDRESS