

**PROFORMA FOR OBTAINING INFORMATION FROM INDUSTRIES SEEKING  
SITE CLEARANCE FROM ENVIRONMENTAL ANGEL**

1. General Information

1.1 Name of Project with address and Telephone No.

1.2 Registered office with address and Telephone No.

1.3 Name and address of the consultant appointed, if any

1.4 Does the proposal relate to:

- a) New Project
- b) Expansion
- c) Renovation/Modernisation/  
Rehabilitation
- d) Others (Specify)

1.5 Plant Capacity

| Name of<br>Product | Capacity (Tonnes/Year)                    |           |              |           |                                                       |
|--------------------|-------------------------------------------|-----------|--------------|-----------|-------------------------------------------------------|
|                    | As per<br>Letter of<br>Intent/<br>Licence | Installed | New<br>Plant | Expansion | Renovation<br>/Total Modernisation/<br>Rehabilitation |

2. Details of Site:

2.1 Geographical location with details on latitude and longitude terrain etc.

- a) Name of the village/revenue estate in which the industry is to be located with name of the District.
- b) Khasra No. over which the proposed unit is to be set-up.
- c) Aks-Sajra of the land.
- d) Name and width of approach road.

2.2 Topography of the area along with Index Map.

2.3 Is the Site located near the river bank and other water bodies. If yes; justification.

2.4 Distance from National Highway/State Highway.

2.4 Distance from rivers/canals.

- 2.5 Distance from ecologically or otherwise Sensitive areas.
- a) National park
  - b) Tourist Complex
  - c) Religious and Historic places
  - d) Archeological Monuments
  - e) Bio-sphere reserve
  - f) Area of Scientific and Geological Interest
  - g) Forest land
  - h) Defence installation
  - i) Airport
- 2.7 Distance from Railway line/Railway station
- 2.8 Distance from major settlement:
- a) Village abadi
  - b) Town with population less than 3 lacs
  - c) Town with population more than 3 lacs
- 2.9 Distance from large and medium industries, location map indicating position of proposed unit.
- 2.10 Is the site situated in forest area? If yes.
- j) Details about type of forest:  
(e.g. Sal, Pins, Coniferous, Encalyptus, mixed ) indicating total forest area to be acquired and its density)
  - ii) Has the  
to use /acquire the non-Conservation Act,1969?
- 2.11 Does the site need cutting of trees?  
If yes:
- a) How many trees will be cut.
  - b) Compensatory Afforestation Plan.
- 2.12 Does the proposed site fall under notified Industrial area?  
If yes, provide following details:
- a) Under what authority it has been  
Notified as industrial zone.
  - b) How many units are already existing?
- 2.13 If the site is not in a notified industrial zone  
What is designated proposed land use. Justification  
For the same.
- 2.14 List and gist of all the alternative locations considered  
for the project & justification for the preferred site  
along with site survey report and clearance from  
Competent Authority, if required.

3. Process Details:

3.1 Raw material (including catalysts, additives and process chemicals)

| List of new materials to be used at all stages of manufacture | Physical and chemical nature of raw material | Quantity (tones/month)at full production capacity | Source of material | Means of transportation (Source of storage site) with justification |
|---------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|--------------------|---------------------------------------------------------------------|
|---------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|--------------------|---------------------------------------------------------------------|

3.2 Precautionary measures adopted in transportation and handling of any hazardous/toxic/inflammable/explosive materials.

3.3 Provide layout plan of the plant report Indicating areas where hazardous/toxic/inflammable/explosive material(s) will be stored.

3.4 Storage facilities for hazardous/toxic/flammable/ Explosive material (s), if any.

3.5 Is any recycled salvaged material from Your industrial waste to be used in the process. If so, indicate the nature and quantities of such wastes.

3.6 Production (tones/year)

| Name                 | Existing | Proposed (new/modernization/renovation/ rehabilitation/others) |
|----------------------|----------|----------------------------------------------------------------|
| Main Products        |          |                                                                |
| By-products          |          |                                                                |
| Intermediate product |          |                                                                |

3.7 How and where the products shall be stored. Precautionary measures adopted in case of hazardous/toxic/flammable/explosive products.

3.8 Means of transportation of final products with justification.

3.9 Manufacturing Process

3.9.1 Name and address of Process know how licencer

3.9.2 Alternative process technologies and their ranking With reference to pollution potential (low/zero pollution)

3.9.3 Details of process know how/technology transfer  
Being adopted

3.9.3.1. Plant and machinery

3.9.3.2. In-built anti-pollution equipment

3.9.4. A brief description of the processes also  
Attach process flow chart.

4. Energy requirements :

4.1 Total power requirement (HW) for:

- a) Existing facilities
- b) Proposed facilities

4.2 Source of power (HW)

| Public Supply | <u>Agreement with electricity supplier present consumption</u> | <u>Additional requirement</u> |
|---------------|----------------------------------------------------------------|-------------------------------|
|---------------|----------------------------------------------------------------|-------------------------------|

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| D.G. Sets/Gas<br>Turbine (capacity) | <u>Installed</u><br><u>Proposed</u> |
|-------------------------------------|-------------------------------------|

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Captive Power<br>Plant (Capacity) | <u>Existing</u><br><u>Proposed</u> |
|-----------------------------------|------------------------------------|

4.3 D.G. Sets/Captive Power Plant/Boilers/Furnaces/incinerators fuel requirement

| Sr.No.          | Purpose | Capacity | Type of fuel | Consumptions Present | Tonnes/Year Proposed |
|-----------------|---------|----------|--------------|----------------------|----------------------|
| D.G. Sets       |         |          |              |                      |                      |
| CPP             |         |          |              |                      |                      |
| Boilers         |         |          |              |                      |                      |
| a) Power        |         |          |              |                      |                      |
| b) Process      |         |          |              |                      |                      |
| Furnaces        |         |          |              |                      |                      |
| Incinerator     |         |          |              |                      |                      |
| Other (specify) |         |          |              |                      |                      |

4.3 Details of types of fuel used

| Fuel            | Unit of Consumption (tones/day) | Col. Value K.Cal./Kg. or Joules/Kg. | Ash | Sulpher | Source of supply | Mode of transportation to the Plant site with justification & linkage |
|-----------------|---------------------------------|-------------------------------------|-----|---------|------------------|-----------------------------------------------------------------------|
| Coal            |                                 |                                     |     |         |                  |                                                                       |
| Natural gas     |                                 |                                     |     |         |                  |                                                                       |
| LSHS            |                                 |                                     |     |         |                  |                                                                       |
| HSG             |                                 |                                     |     |         |                  |                                                                       |
| Naptha          |                                 |                                     |     |         |                  |                                                                       |
| Furnace oil     |                                 |                                     |     |         |                  |                                                                       |
| Other (specify) |                                 |                                     |     |         |                  |                                                                       |

4.4 Use of alternate renewal sources of energy

5. Details of construction phase

5.1 Duration

5.2 Number of persons to be employed for Construction

5.3 Is township to be built. If yes, it's  
Aerial distance and direction from  
The plant and number of families  
To be accommodated

5.4 What provision has been made for the  
Township sewage treatment? Furnish  
Details?

6.. Metreologicalological data pertaining to  
proposed site.

6.1 Wind rose pattern

6.2 Temperature:  
Monthly average parameters January-December  
Mean rainfall  
  
Maximum Temperature  
  
Maximum wind Speed  
  
Minimum wind Speed

7. Water:

7.1 Water requirements (m<sup>3</sup>/day)

| Purpose                               | Average demand | Peak demand source at full production | Type treated/ untreated | Remarks |
|---------------------------------------|----------------|---------------------------------------|-------------------------|---------|
| Construction :                        |                |                                       |                         |         |
| Plant Operation :                     |                |                                       |                         |         |
| Processing :                          |                |                                       |                         |         |
| Cooling :                             |                |                                       |                         |         |
| <u>Green belt development</u>         |                |                                       |                         |         |
| Township                              |                |                                       |                         |         |
| Domestic                              |                |                                       |                         |         |
| <u>Green belt development (Plant)</u> |                |                                       |                         |         |
| Fire Services :                       |                |                                       |                         |         |
| Other (specify)                       |                |                                       |                         |         |

\* (Ground Water/Canal/River/Public Supply System/recycled water etc. name, canal or river etc. as applicable)

7.2 If existing water supply is to be  
Augmented from other source (s)  
For meeting both present and future  
Requirements provided details.

- 7.3 What treatment is given to water Before its use? If any, provide details.
- 7.4 Physico chemical analysis report on:
  - i) Raw water
  - ii) Treated water
8. Waste water details:
  - 8.1 Composition/characteristics
  - 8.2 Total daily discharge (m<sup>3</sup>/day)
  - 9.1 Recovery/recycling possibilities
  - 9.2 Possible user(s) of the solid waste
  - 9.3 In case of landfill :
    - i) Is solid suitable for landfill
    - ii) Dimensions and life of pit
    - iii) Lay out Plan indicating the Dumping site
    - iv) Proposed mitigation method.
  - 9.4 In case of incineration
    - i) Provide details (capacity, design, Fuel etc.) of incinerator design.
    - ii) Likely consumption of fuel and Quantum of emissions
    - iii) Specify frequency of incineration.
  - 9.5 If the solid waste is removed from premises by private Haulage contact of:
    - i) Frequency of removal
    - ii) Mode of transport
    - iii) Location and address of disposal site.
  - 9.6 In case the waste is to be dumped on the ground/ Low laying areas/river/other bodies:
    - i) Anticipated environmental problems
    - ii) Proposed mitigation measures
  - 9.7 Does the waste contain any toxic/hazardous substance/ Radioactive trace elements? If so, provide toxicity data:
10. Hazardous waste Management: For existing units:
  - 10.1 Hazardous Waste Management
 

Hazardous Waste Management & handling , if yes:

    - a)
    - b) Quantity of hazardous waste generated/year

- c) On-site storage facility
  - d) Details of the authorisation from PCB  
For handling management of hazardous Waste.
  - e) Is there off site hazardous waste disposal site  
Available?  
(Name & place of hazardous waste disposal  
site)
- 10.2
- a) For new units:  
Whether hazardous waste management and  
handling rule applicable.
  - b) Details of the actions to be taken by the  
unit for collection, reception, treatment,  
transport, storage and disposal of hazardous  
waste.
- 11.
- Sewage and Domestic waste:
  - i) Method of treatment along with flow chart
  - ii) Recycling possibilities
  - iii) Method of disposal
  - a) Final point of discharge  
(Land, Nallah/Lake/Stream/river/River)  
Specify name, route and distance  
From the plant.
  - b) Details of the water body where final  
effluent is/will be discharged :
  - i) Average flow rate
  - ii) Lean season flow rate
  - iii) Down stream users (human, animal,  
Irrigation, industry etc.)
  - iv) Is the water used for domestic supply.

## 12. Atmospheric Emissions

12.1 Total number of stacks.

12.2 Stack details

| Stack No.<br>(a) | Stack (b)<br>attached to | Height<br>(Metre) | <u>Internal diameter</u><br>of Top(M) Base (M) | Inter stock<br>Distance (m) |
|------------------|--------------------------|-------------------|------------------------------------------------|-----------------------------|
|------------------|--------------------------|-------------------|------------------------------------------------|-----------------------------|

Ist

IIInd

IIIrd

IVth

- a) Provide layout map of the plant showing the position Of these stacks.
- b) D.G. Sets, Boilers, Furnace, Captive Power Plant, Incinerator etc. Stacks attached with each unit has to be Shown Separately.

12.3 Stack emissions from fuel burning

| Stack No. | Stack height | Emission SPM SO <sub>2</sub> | rate (Kg/hr) |    |    |           | Ist |
|-----------|--------------|------------------------------|--------------|----|----|-----------|-----|
|           |              |                              | NOx          | CO | HC | any other |     |

2<sup>nd</sup>

3<sup>rd</sup>

4<sup>th</sup>

\* Stack number order should be the same as indicated above.

13. Other Environmental consideration:

13.1 Noise (db)

- i) Source
- ii) Level within plant
- iii) Level at plant boundary
- iv) Method of abatement

13.2 Odour

- i) Source
- ii) Method of abatement

13.3 Radioactivity :

- i) Source
- ii) Method of abatement

13.4 Radioactivity :

- i) Source
- ii) Level of radiation
- iii) Method of mitigation

14. Pollution control

14.1 For existing industries :

- i) Details of pollution control measures Existing at the plant
- ii) Difficulties encountered in installation/ Implementing pollution control measures, If any.
- iii) Efficiency of each pollution control equipment In operation

| Name of the system | Designed efficiency( ) | Present working efficiency ( )                                                                                                                                                                          |
|--------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | iv)                    | Do you comply with norms prescribed by the State/Central Pollution Control Boards? If not, what steps are proposed to Meet them.                                                                        |
|                    | v)                     | Furnish a copy of latest report on the quality and characteristics of treated liquid effluent from plant                                                                                                |
|                    | vi)                    | Has the State Pollution Control Board recommended installation of conditional pollution abatement facilities in the near past? If yes, what are those and what steps have been taken to implement them? |
|                    | vii)                   | Warnings given by State Pollution Control Board, if any and action taken to comply with the requirement                                                                                                 |
|                    | viii)                  | Consent under Water Acts                                                                                                                                                                                |

Air  
Water

- 14.2 For new unit:
- i) Details of pollution control equipment/ System proposed
  - ii) What special procedures do you purpose to lay Down for pollution control during the period when Standards prescribed by the concerned authorities Are exceeding for any reason.
15. Work Environment, Hygiene and House keeping
- 15.1 What major occupational health/safety hazards are Anticipated in the working environment of your plant:
- 15.2 Describe the industrial hygiene measures to be adopted
- 15.3 What provision you have made to conform to health and Safety requirements as per Factories Act?
- 15.4 In case of existing plant, give brief report on the health Status of workers engaged in the processing or handling Toxic/hazardous substances.

16. Environmental Management
  - 16.1 Details of Organizational set-up proposed for Environmental management
  - 16.2 What is the level of expertise of person incharge Of pollution control and monitoring.
  - 16.3 Details of operation and maintenance facilities Proposed for treatment plants, pollution monitoring And control equipment
17. Cost Estimates
  - 17.1 Total Project cost.
  - 17.2 Pollution abatement cost

| Amount earmarked per year |                   |                      |                        |
|---------------------------|-------------------|----------------------|------------------------|
|                           | Pollution control | Pollution monitoring | Green belt development |

18. Copy of NOC from the concerned State Pollution Control Board, if any.
19. Green belt development Plan

| Status | Green Belt |               |              |
|--------|------------|---------------|--------------|
|        | Area (m)   | Plant species | No. of trees |

Existing

Proposed

20. Lay out Plan showing green belt
21. In case of captive plant, has the clearance been obtained from Ministry of Environment & Forest, Government of India or from State Environment Department.
22. Present physical status of the project.

Signature

Date:  
Place:

Name, Designation and Address

#### INSTRUCTIONS FOR PROPOSER

The proposal should be submitted to the Environment Department consisting of the following:

1. Detailed project report
2. 20 copies of filled-in questionnaire

3. 20 copies of the detailed Environment Impact.

Assessment Report/Rapid Environment Impact Assessment Report and Environment Management Plan

4. 20 Copies of the Disaster Management Plan

6. An undertaking from the applicant that the data and information given in the form are true to the best of his knowledge and belief. In case any part of data/information submitted is found to be false or mis-leading at any stage, the project be rejected and the clearance given, if any, to the project is likely to be revoked.

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