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**FORM-II**  
**PART B1**  
**APPLICATION FOR CONSENT FOR EMISSION UNDER**  
**SECTION (21) OF THE AIR ACT (SEE CHAPTER 11)**

Application for Consent for emissions in .....  
.....area which is the "Air Pollution Control Area" notified under Section.....  
of the Act under Government Gazette Notification No.....

- (i) Industry specified schedule .....
- (ii) (a) Area code no ..... dated .....
- (b) Grid code No ..... dated .....

To  
The Member Secretary  
**A.P.Pollution Control Board,**  
2<sup>nd</sup> Floor, HUDA Complex, Maitrivanam,  
S.R.Nagar, Hyderabad – 500038

Sir,  
I/We hereby apply for CONSENT under Section (21) of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) to make emission from industrial plant owned by (1) or occupied by (2)  
.....  
.....  
..... for a  
period (3) upto .....  
.....  
.....

I/We further declare that the information furnished in the Annexure/ Appendices and plans is correct to the best of my/our knowledge.

- (4) I/We hereby submit that in case of a change either of the point, or the quantity of emission or of its quality a fresh application for CONSENT shall be made and until such consent is granted, no change shall be made.
- (5) I/We hereby agree to submit to the Board, an application for renewal of CONSENT one month in advance of the date of expiry of the consented period for emission, if to be continued thereafter.
- (6) I/We undertake to furnish any other information within one month of its being called by the Board
- (7) I/We enclosed a demand draft of Rs .....towards the prescribed consent application fee.
- (8) The Annexure, appendices, other particulars and plans are attached herewith in triplicate.

**Accompaniments:**

- i) Index/Site Plan
- ii) Topographical map.
- iii) Detailed layout plan of different processes and point source emission and position of stacks and chimneys.
- iv) Process Flow Sheet
- v) Latest Analysis Report
  
- vi) Details of Air Pollution Control devices provided or Proposed to be provided.
- vii) Ambient Air Quality Report. if available
- viii) Draft No.....Dated ..... for Rs.....Drawn on ..... as consent fee.

Signature .....

Name of the Applicant .....

**ANNEXURE TO PART B1**

**CHIMNEY**

Existing :

New :

Altered :

Note: Any Applicant knowingly giving incorrect information or Suppressing any information thereto shall be liable for action under the provisions of the Act:

While filling this Annexure the applicant shall for such of the items not pertaining to his activity shall state "not applicable" against the relevant item and shall not leave it blank.

- 1. Elevation above mean sea
- 2. Present use of the Land
  - Agricultural
  - Forest
  - Grazing
  - Settlement
  - Fallow
- 3. Indicate the nature of topography surrounding the site
  - Plains
  - Valley
  - Hilly
  - River Basin
  - Coastal
  - Esturine
  - Land-Locked
- 4 (a) State whether industrial plant has been declared as prohibited area
  - YES / NO
- (b) If yes, State the name of the authority and furnish a certified copy of the order under which the area has been declared as prohibited
  - .....
  - .....
  - .....
  - .....
  - .....
- 5. What of the following features exist within 20 Kms of the site
  - Human settlement : Specify (population and distance from the plant) Agricultural: Specify crops Grazing land / Fisheries / Forest / Sanctuary National Park / Nallas/ Streams / Rivers Ponds / Lakes/Dams / Estuary / Sea/Hills Mountains / Industries. Specify ancient Monuments/ Tourism area.
- 6. Is the industrial plant of the occupier closed on Sunday/Holiday
  - Yes / No
- 7. State working season per year of the Industrial Plant.
  - Full Year
  - From To
  - From To
  - From To
  - ..... Every Year

Continuous / Batchwise

- a) No.of persons attending the factory/day
- b) No. of persons residing in the premises
- c) Indicate the present use of the land in the vicinity( 5Kms radius) of the site

- i) Human settlements of more than 1000 population  
(Specify population and ..... distance from the plant .....
- ii) Commercial
- iii) Industrial
- iv) Fisheries
- v) Sanctuary / National Parks / Hills / Mountains.
- vi) Ancient Monuments

- 8. Climatological & Meterological Data (if available)
  - a) Indicate the climatic conditions at the site (Eg:arid,Semi-arid etc)
  - b) Precipitation, yearly average range
  - c) Temperature, Seasonal ranges:
  - d) Average annual speed and direction of wind
  - e) Humidity/solar radiation.

9. Raw material used in	Name	Source	Quantity
			T/day or Kg/day

- 10. Products/By Products/ Waste Material in T/day or Kg/day
- 11. Complete flow chart giving description and chemical processes, if any as per Annexure - I

- 12. Fuel Consumption in T/day:

	Fuel	Coal	Fuel Oil	Diesel	Natural Gas	Wood	Others specify
1. Daily Consumption in tonnes							
2. Calorific Value							
3. Ash Content %							
4. Sulphur content%							
5. Others specify							

13. Furnace / Cupolas YES NO
- a) No. of furnaces/Cupolas
- i) Installed ..... (ii) In use .....
- b) Date of installation .....
- c) Capacity .....
- d) Purpose used .....
- e) Stack data .....
- i) Height .....
- ii) Diameter .....
- iii) Temperature .....
- iv) Flow rate .....
14. Boilers YES NO
- a) No. of boilers
- (i) Installed ..... (ii) in use.....
- b) Type.....
- c) Capacity .....
- d) Method of fuel charging .....
- i) Oil/Gas burner.....
- ii) Grate Charging (Manual/Mechanical) .....
- iii) Pulverised Coal Charging .....
- d) Quantity of fuel used in boilers .....
- f) Stack data:
- Height
- i) Above the roof ..... Mtrs.....
- ii) Above the ground level ..... Mtrs .....
- Diameter : .....
- Temperature : .....
- Flow rate : .....
- Stack Top:           a) Round or Circular
- b) Inside dimensions at top
15. Emission control equipment for air pollutants:
- |   | Existing | Not Existing | Proposed            |
|---|----------|--------------|---------------------|
| 1) Existing/Proposed  |          |              |                     |
| a) Nature of the pollution control equipment .....  |          |              |                     |
| b) Efficiency   |          |              |                     |
| c) Capacity   |          |              |                     |
| d) Details of Air Pollution Control Systems   |          |              | Proposed / Existing |
| e) Give detailed specifications of Cyclones, electrostatic precipitators, scrubbers, Bag filters etc., on a separate sheets |          |              |                     |
| f) Any other monitoring facilities available, if so data available.   |          |              |                     |

16 Atmospheric Emissions:

Stack No ..... Gas quantity..... m3/hr  
 Stack attached to ..... Flue Gas temp ..... c  
 Stack height.....mts. Exit Velocity of the flue gas ..... m/sec

a) Flue Gas Emission

Type of Fuel	C Fuel/hr	Ash %	ANALYSIS OF THE FUEL GAS				
			Nox	So <sub>2</sub>	HC	CO	Particulate

b) Process Emission

SO <sub>2</sub>	CO <sub>2</sub>	CO	NOX	Analysis of vent gas in mg/m3 Hydrocarbon Particulars others specify .

c) Particulate analysis

- i) Size distribution in each stack
- ii) Chemical Composition

d) Give details of Flue gas sampling arrangements

e) Give details of Laboratory facilities available for analysis of emissions.

f) Is there sufficient space available for installing Air Pollution Control Equipment.

17. Solid Wastes	YES	NO
a) Nature .....		
b) Quantity .....		
c) Mode of disposal .....		

18. Any relevant information not covered in the above items.

19. Water consumption

- a) Quantity per month or day
- b) Source

20. Waste Water generated YES NO
- a) Quantity per month or day .....
- b) Disposal to
- River Nallah Municipal Sewer
- c) Treatment of waste water
- Existing Not Existing Proposed Not proposed
- d) Waste Water characteristics (if available)

- 21.
- |                           | Before Treatment | After Treatment |
|---------------------------|------------------|-----------------|
| i) B.O.D.                 | .....            | .....           |
| ii) C.O.D.                | .....            | .....           |
| iii) Suspended Solids.    | .....            | .....           |
| iv) Heavy Metals(Specify) | .....            | .....           |
| v) Toxic Chemicals(“).    | .....            | .....           |
| vi) Others (Specify)      | .....            | .....           |

22. State the total Quantity of air handled by ventilation equipment so also specify size and No.of equipments installed/to be installed.
- (a) Location and Dimension of outlets
- i) Flue Gas Emissions.

Type of Fuel	Qty.of Fuel	S%	Ash %	Analysis of the fuel gas				
				NOX	SO <sub>2</sub>	HC	CO	Particulate

- ii) Process Emissions

Analysis of vent in mg/nm3

SO <sub>2</sub>	CO <sub>2</sub>	NOX	Hydro Carbons	Particulates	Others, specify

- iii) Particulate analysis

- a) Size distribution
- b) Chemical Composition

23. Give the following details
- a) Total Investment in the factory and the year of investment
  
  - b) The estimated expenditure for implementing the project
  
  - c) Expenditure incurred to date and progress achieved (physical) for air pollution control, If any and the Year/Years of investments along with physical progress achieved: (The Firm should give details of action taken to date and the expenditure incurred and the time required for completion of the scheme)
  
  - d) Annual operation and maintenance of air Pollution control plant, If any :
  - e) Further action that is being taken by the firm to control Air Pollution.
24. Other relevant information, if any

Place :

Date :

Signature

Name & Address of the Applicant  
on behalf of the name & address of the firm



## **EXPLANATORY NOTE FOR FILLING IN PART B1 AND THE ANNEXURE**

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

Form :

- 1&2. Here mention the name of the owner of the land / premises, if other than the applicant industry or factory in continuation of legal business as per Air (Prevention and Control of Pollution) Act, 1981, if land / premises belong to the factory / industry say SELF.
3. Here mention the date upto which the consent is sought for.

Annexure to Form :

Existing means that which is in operation at the time of applying for the consent. Now means that which will be brought into operation in future. Altered means that which has been modified due to change in quality and / or quantity of emission, arrangement and / or point of emission etc.

- Item No. 4. Applicable to only those areas which are prohibited areas such as the ordinance factories / mint etc.
- Item No. 8(c) Here state the temperature in 0C in summer, winter, Monsoon & Post monsoon seasons.
- Item No. 8d) Here state the seasonal average wind direction and speed in and around the site of the plant. The above information, can be had from representative, Meteorological Centre.
- Item No. 16. Analysis of the flue gas emissions, process emission and particulates should be done for each stack emission, wherever stacks are not provided, the top floor specific pollution concentration should be reported.
- Chemical analysis of the particulate matter in the emission should be furnished giving details such as organic matter, metals, non-metals radioactive substances, asbestos, silicated etc.
- Item No. 21. Here state the detailed specifications of control systems used or proposed to be used with efficiency. Also furnish the lay out of the Central System with dimensions.
- Item No. 22. Here state the total quantity of ventilation air handled by equipments such as roof extractors, evaporative coolers etc.