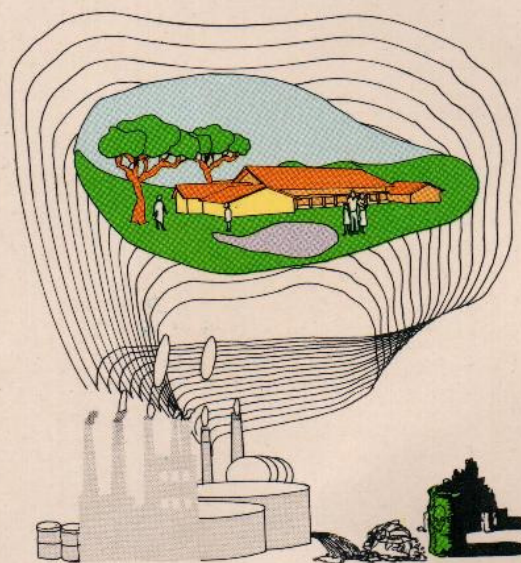


**GUIDELINES**  
*for*  
**ESTABLISHMENT, EXPANSION,  
MODERNISATION AND DIVERSIFICATION**  
*of*  
**INDUSTRIES**  
**1996**

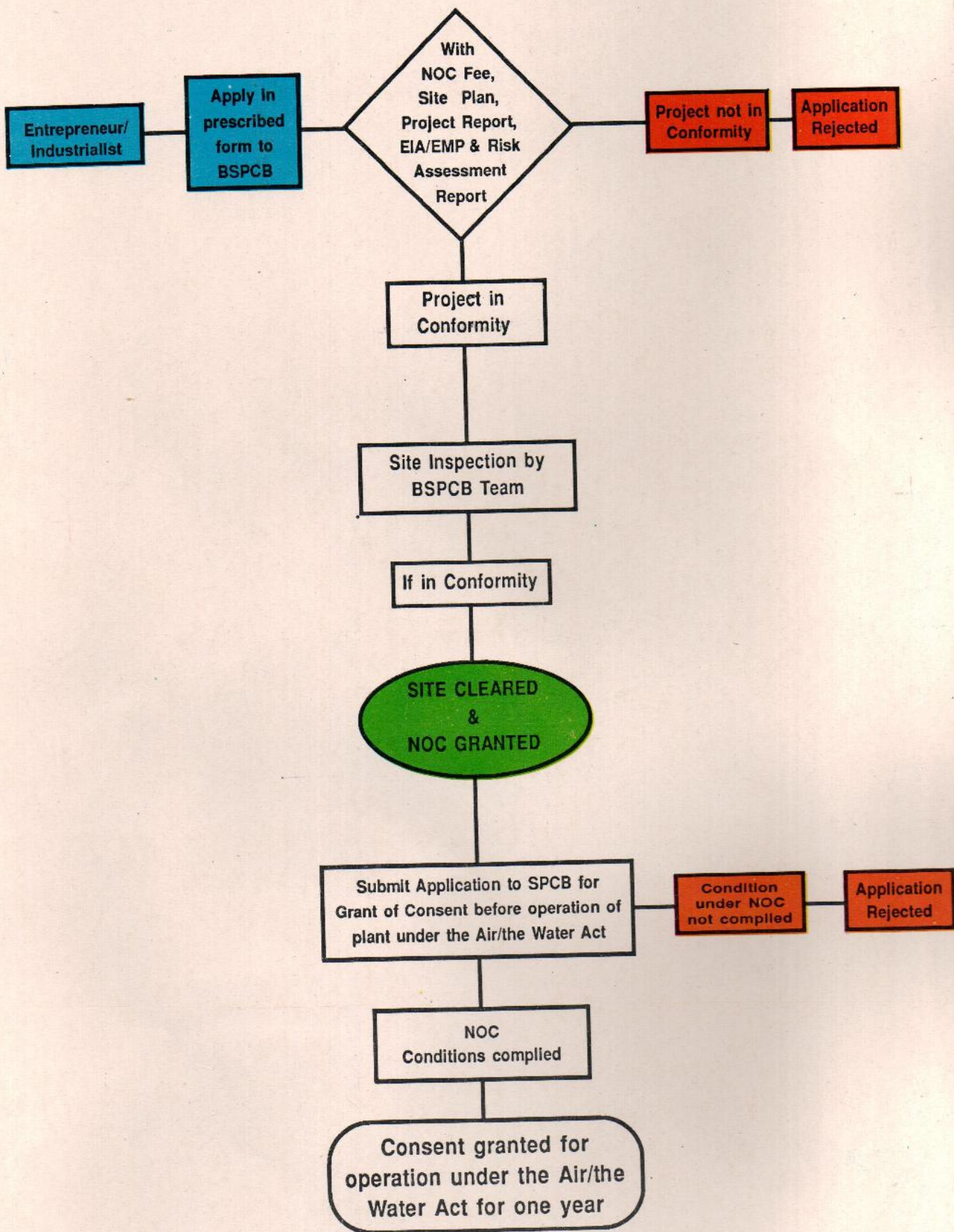


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**BIHAR STATE POLLUTION CONTROL BOARD**  
BELTRON BHAWAN, LAL BHADUR SHASTRI NAGAR, PATNA - 800 023  
TEL. : 281776; 281250; 282265 • FAX : 281050



# STEPS FOR OBTAINING NOC/CONSENT





## PREFACE

### GUIDELINES

In pursuance of the State Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981, Bihar State Pollution Control Board has brought out a Notification for the guidance of entrepreneurs. The new entrepreneur generally chooses their site for their industry keeping in mind availability of resources, essential infrastructures and profiting markets for goods to be produced. They care little for ESTABLISHMENT, EXPANSION, MODERNISATION AND DIVERSIFICATION of the site clearance.

The present Notification is the of context is for the guidance of new entrepreneurs as well as for the authorities to establish new and existing industrial units with proposal to expand, modernise and diversify on a particular site.

### INDUSTRIES

This brochure contains also the application form for N.O.C., original application form may be had from the Board Office on payment.

These guidelines have been 1996 the consultation with the State Departments of Forest and Environment, Labour, Industries besides Bihar Industries Association (BIA), Bihar Chamber of Commerce (BCC) and Confederation of Indian Industries (CII).

I hope these guidelines will bring transparency, speedy disposal of NOC application and promote sustainable development in the State.

Price Rs. 100/-



**BIHAR STATE POLLUTION CONTROL BOARD**  
BELTRON BHAWAN, LAL BHADUR SHASTRI NAGAR, PATNA - 800 023  
TEL. : 281776; 281250; 282265 • FAX : 281050



BIHAR STATE POLLUTION CONTROL BOARD

## PREFACE

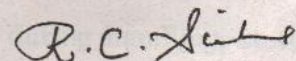
In pursuance of the State's New Industrial Policy and the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981, Bihar State Pollution Control Board has brought out a Notification for the guidance of entrepreneurs. The new entrepreneur generally chooses their site for their industry keeping in mind availability of resources, essential infrastructure and promising markets for goods to be produced. They care little for the environmental implications due to industrial operations. Such ignorance may not only lead to inordinate delay in getting environmental clearance, but may make it difficult for the competent authority to give the site clearance.

The present Notification in the given context is for the guidance of new entrepreneurs as well as for the authorities, to establish new and existing industrial units with proposal to expand, modernise and diversify on a particular site.

This brochure contains also the model application form for N.O.C., original application form may be had from the Board Office on payment.

These guidelines have been arrived at after due consultation with the State Departments of Forest and Environment, Labour, Industries besides Bihar Industries Association (BIA), Bihar Chamber of Commerce (BCC) and Confederation of Indian Industries (CII).

I hope these guidelines will bring transparency, speedy disposal of NOC application and promote sustainable development in the State.



(R. C. SINHA)

Chairman

Bihar State Pollution Control Board



## **BIHAR STATE POLLUTION CONTROL BOARD**

### **NOTIFICATION**

No. 139/ch

Patna, the 1st of October, 1996.

#### **GUIDELINES FOR ESTABLISHMENT OF INDUSTRIES IN PURSUANCE OF SECTIONS 25 AND 21 OF THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974 AND THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981 RESPECTIVELY.**

In pursuance of the implementation of the provisions under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and section 21 of the Air (Prevention & Control of Pollution) Act, 1981, Bihar State Pollution Control Board makes the guidelines as follow for the approval of sites for the location of industrial units, new or existing with proposal for expansion/modernisation/diversification :-

The following factors shall be considered before approving or restricting the proposed location :-

- (i) Standards for quality of air and water laid down under the concerned Acts;
- (ii) Existing concentration of various pollutants, including noise in the area;
- (iii) The likely emission or discharge of environmental pollutants from the proposed industry process or operation;
- (iv) The topography and climatic features of the area;
- (v) Conservation of biodiversity of the area;
- (vi) Environmentally compatible land use in the area;
- (vii) Net adverse environmental impact likely to be caused by an industry process or operation in the area;
- (viii) Proximity to a protected area under the Ancient Monuments and Archaeological sites and Remains Act, 1958;
- (ix) Proximity to human settlement, state or national highway railway line (non-captive), besides proximity to river;
- (x) Likely process-hazards including hazards likely to occur during handling, storage and transportation of chemicals; and
- (xi) Provisions of the Wild Life (Protection) Act, 1972 and the Environment (Protection) Act, 1986.



## 1. PROCEDURE FOR OBTAINING SITE CLEARANCE :-

- (i) Any person, who proposes to establish or expand or modernise or diversify any industrial unit or project in any part of the State of Bihar, shall submit an application in duplicate in original form as specified in Annexure I of these guidelines alongwith "NOC" fee as specified in Annexure II, accompanied by a copy of the project report, containing as well details of pollution control devices and site plan to the Member Secretary, Bihar State Pollution Control Board;
- (ii) The industries other than crushing unit, listed in Annexure V to these guidelines shall submit Environmental Impact Assessment (EIA) and Environment Management Plan (EMP) with the application, provided the project cost is not less than Rs. One Crore. (a) For industries listed in Annexure IV, Risk Assessment Report shall be essential;
- (iii) The application, so submitted, shall be processed, scrutinised and the site under proposal may be inspected, whenever it is found to be necessary for a just decision; and
- (iv) Fee for the No Objection Certificate (NOC) shall be chargeable on the capital cost of the project, which will include cost of land, land development cost, building cost, cost of plant and machinery, and cost of pollution control facilities, accompanied by infrastructure.

## 2. CRITERIA FOR THE APPROVAL/CLEARANCE OF SITE :-

Criteria for the approval/clearance of proposed site/location in respect of new industrial unit or existing one with proposal for expansion/modernisation/diversification, which are specified in Annexures-IV and/or V, shall be as follow :-

- (i) Ambient air quality of the site must be within the limits prescribed;
- (ii) The unit must also have submitted up-to-date Environmental Statement;
- (iii) In case of expansion, diversification and modernisation, existing air and water pollution control facilities must be satisfactory and the unit must have approved Hazard Risk Assessment Report and/or On-site/Off-site Emergency Plan, including isolated storage, if any;
- (iv) The battery limit of the industry at the site must be at a distance, as specified in Annexure - IV and V from human habitation, railway line, river, national or state highway;
- (v) In case of notified forest land, wild life sanctuary and protected areas as mentioned in these Guidelines earlier, a minimum distance of one km. from them, shall be observed :

Provided that the limit may be increased depending upon the assessment of the impacts by the proposed activity

- (vi) The criteria (i), (iv) and (v) shall not be applicable in case of Industrial Estate/Industrial Area/Industrial Zone declared by the authority or in case of expansion of the unit which were sited before November, 1987, provided that the habitation (cluster of



permanent buildings having 200 or more inhabitants) is at a distance of minimum 100 metre from the battery limit and odour problem is manageable;

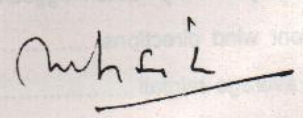
- (vii) Prime Agriculture land shall be avoided as far as practicable; and
- (viii) In case of Site-dependent Industries and projects, operation or processes not listed in Annexure-IV and V, the above criteria shall also be applicable to the extent feasible. The main thrust for such site-dependent projects shall be on Environmental Impact Assessement and Environmental Management plan and accordingly conditions stipulated to neutralise the adverse impact shall be imposed.
- (ix) The applications of industries, listed in Annexures - VI shall be exempted from the criteria provided in subparagraph (iv) under this paragraph;
- (x) The application from Bone Mills, however, shall be guided by the Central Pollution Control Board's guideline at Annexure VII, duly accepted by the Hon'ble Supreme Court in writ petition (c) No. 3727 of 1985 - M. C. Mehta vers. U.O.I. & ors.

3. The application, submitted in the form, specified under Annexure I, shall be processed within one month form the date of receipt of the said application complete in all respects.

4. These guidelines shall be effective from the date of issue.

- Note : (i) The specified form of application is as in Annexure-I.
- (ii) The Notification No. 49, dated 18-12-95, notifying specified fee for NOC, is as in Annexure -II.
  - (iii) Notification No. 45, dated 18-11-95, notifying committee for the disposal of application for NOC is as in Annexure - III.
  - (iv) The list of industries involving Hazardous processes, commonly known as red category is as in Annexure - IV;
  - (v) The list of major polluting industries is as in Annexure - V; and
  - (vi) The list of industries exempted from the criteria in sub-paragraph (iv) under this paragraph.

Issued by Bihar State Pollution Control Board, Patna towards the compliance of the provisions of sections 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and also in appreciation of pith and substance of the Industrial Policy 1995 of the Bihar Government.



(MADAN PRASAD SINGH)  
Member Secretary,  
Bihar State Pollution Control Board



## ANNEXURE - I

[ See paragraph 1(i) of the Guidelines ]

### BIHAR STATE POLLUTION CONTROL BOARD

PATNA - 800 023

( TO BE SUBMITTED IN DUPLICATE )

#### INFORMATION FOR OBTAINING NOC U/S 25 & 26 OF THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974 & U/S 21 OF THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981

##### 1. GENERAL

(i) Name of Industry :

(ii) Name & Address (with pincode)  
of applicant with Telephone No.

(iii) Location of the Project (Attach location map)

Place :

P. O. :

District :

(Information is also required if industry is located outside the Industrial Area)

Mauza :

Khata No. :

Khesra No. :

(iv) At what distance (in metre) following are located from Battery limit of the plant.

(a) Railway line (not captive) :

(b) River (with name) :

(c) Monuments :

(d) Forest/Sanctuary :

(e) Human habitations :

(minimum 200 permanent dwellers)

(f) National Highway/State Highway

(v) Present land use : Prime agriculture/Agriculture/Barren land/Industrial/Forest.

(vi) Topography : Hilly/Plane/Rugged/Marshy

(vii) Prevalent wind directions ..... Speed ..... km/h

(viii) Yearly average rainfall .....



**2. BREAKUP OF PROPOSED LAND USE AT THE SITE**

- (i) Area for Plant ..... Sq. Metre
- (ii) Area for infrastructure ..... Sq. Metre
- (iii) Area for Effluent Treatment..... Sq. Metre
- (iv) Proposed width of plantation all around the plot in metre  
 North ..... South..... East..... West.....

- 2.1 (i) Whether propose to build captive colony : ..... Yes/No.
- (ii) Distance of the captive colony from plant site in km. ....
- (iii) Number of dwellers : .....

**3. RAW MATERIALS**

- (i) List of raw materials ..... t/d
- ..... t/d
- ..... t/d
- ..... t/d
- (ii) List of Processing ..... t/d
- Chemicals ..... t/d

**4. SOLID WASTES**

- (i) Solid wastes in t/d .....
- (ii) Composition of wastes .....
- .....
- .....
- .....
- (iii) Enclose a writeup on Solid Waste Management

**5. PROCESS AND PRODUCTION**

Enclose a copy of the Project Report with flow sheet

- (i) List of products with daily capacity : t


- (ii) List of By-products with daily capacity : t
- (iii) State briefly the technology :



6. WATER REQUIREMENT

- (i) Source of water supply: Well / Tubewell / River / Lake
- (ii) Water requirements :
  - Industrial ..... kL/d
  - Domestic ..... kL/d
  - Other ..... kL/d

7. WASTE WATER

- (i) Quantity of Waste Water :
  - Industrial : ..... kL/d
  - Domestic : ..... kL/d
  - Township : ..... kL/d
- (ii) Trade Effluent Quantity :
  - Before treatment : ..... kL/d
  - After treatment : ..... kL/d
- (iii) Final discharge to : Land/River/Lake/Municipal drain/Industrial Area drain.
- (iv) Quantity of treated effluent to be recycled ..... kL/d
- (v) Enclose a short write up on sludge management

8. ATMOSPHERIC EMISSIONS

- (i) Stacks details :

	Stack No. 1	Stack No. 2	Stack No. 3	Stack No. 4
Attached to :				
Height (metre)				
Construction Material				

- (ii) Mandatory provision of Porthole and Platforms in Stack(s)
- (iii) Enclose a short write up on air pollution control



9. ENERGY

(i) Source of Energy : D.G. Sets with capacity ...../Boilers/Furnaces/Captive Power Plant/ Public Supply.

(ii) Fuel Consumption

Coal ..... t/d Wood ..... t/d
Diesel Oil..... t/d L.D.O. .... t/d
H.S.D. .... t/d Furnace oil ..... t/d
Other source .....

10. OTHER POLLUTION

(i) Noise :

(a) Source level ..... in dB (A)

(b) Abatement measures :

- (1) 25 कोड या अधिक सावत की योजना 10,000/- रुपया
(2) एक सावत से कम सावत की योजना 5,000/- रुपया
(3) एक सावत या एक कोड से कम की योजना के लिए 1,000/- रुपया
(4) एक सावत से कम सावत की योजना 100/- रुपया

(ii) Odour Source ..... Abatement Measures .....

(iii) Thermal Pollution Source..... Abatement Measures .....

11. PROJECT COST IN LACS

Cost of (a) Land Rs. .... (b) Building Rs. ....
(c) Machinery Rs..... (d) Infrastructure Rs. ....
(e) Pollution Control Rs..... (f) Total cost of Project Rs. ....

12. N O C FEE

Amount Rs. .... Bank Draft No. .... Date .....
payable to Bihar State Pollution Control Board at Patna.

Place :

(Signature of Applicant)

Date :

with Official Seal



NOTE :

- (a) In case of Major Polluting Industries, listed in Annexure III of this Guideline, E.I.A. and E.M.P. are essential
- (b) In case of modernisation / expansion / diversification activity, the project proponent shall submit a separate writeup indicating there in existing and proposed pollution load.
- (c) Application shall be submitted to Member Secretary, Bihar State Pollution Control Board, Beltron Bhawan, Lal Bahadur Shastrinagar, patna - 800 023.
- (d) NOC Fee shall be payable in the following manner : —

(1) Cost of scheme, 25.00 crores or above	Rs. 10,000.00
(2) Cost of scheme, 1 crore and above but less than 25 crores	Rs. 5,000.00
(3) Cost of scheme, 1 lakh and above but less than 1 crore	Rs. 1,000.00
(4) Cost of scheme less than 1 lakh	Rs. 100.00

Sl. No.	Name of the Project	Category	Cost of the Project (Rs. in lakhs)	NOC Fee (Rs.)

Place \_\_\_\_\_ Date \_\_\_\_\_  
 (Signature of Applicant) \_\_\_\_\_  
 (Official Seal) \_\_\_\_\_



## ANNEXURE - II

[ See paragraph 1(i) of the Guidelines ]

### बिहार राज्य प्रदूषण नियंत्रण पर्षद् पटना

अधिसूचना संख्या 49

दिनांक 18.12.95

#### — : अधिसूचना : —

पटना, दिसम्बर, 1995

सं० प./नि 5-1029/95/ बिहार राज्य प्रदूषण नियंत्रण पर्षद् की अधिसूचना सं० प./नि 5-1029/95-845, दिनांक 8 नवम्बर, 1995 की कंडिका 4 के कार्यान्वयन के क्रम में उद्योगों के स्थापनार्थ/विकासार्थ निम्नलिखित एन.ओ.सी. फीस निश्चित की जाती है :-

- |  |                |
|--|----------------|
| (1) रु० 25 कारेड़ या अधिक लागत की योजना      | 10,000/- रुपया |
| (2) एक करोड़ या 25 करोड़ से कम लागत की योजना | 5,000/- रुपया  |
| (3) एक लाख या एक करोड़ से कम की योजना के लिए | 1,000/- रुपया  |
| (4) एक लाख से कम लागत की योजना               | 100/- रुपया    |

2. योजना लागत में जमीन की कीमत, कारखाना भवन, आधारभूत सुविधा और समस्त मशीनरी की कीमत शामिल होगी।

3. संबंधित प्रतिष्ठान के लिये निर्धारित प्रोफार्मा में आवेदन के साथ उपर्युक्त दर अनुसार एन.ओ.सी. फीस की अदायगी करना बाध्यकारी होगा। संबंधित एन.ओ.सी. फीस बिहार राज्य प्रदूषण नियंत्रण पर्षद् को देय, बैंक ड्राफ्ट द्वारा भुगतान की जायेगी।

यह अधिसूचना निर्गत की तिथि से लागू माना जायेगा।

ह०/-  
(रमेश चन्द्र सिन्हा)  
अध्यक्ष

ज्ञापांक : 1478

पटना, दिनांक : 18.12.95

**प्रतिलिपि :** सदस्य - सचिव, बिहार राज्य प्रदूषण नियंत्रण पर्षद्। इस अधिसूचना को बिहार राज्य प्रदूषण नियंत्रण पर्षद् के क्षेत्रीय कार्यालयों/मुख्यालय के सभी पदाधिकारियों के सूचनार्थ एवं आवश्यक कार्रवाई हेतु कृपया परिचालित की जाय।

ह०/-  
(रमेश चन्द्र सिन्हा)  
अध्यक्ष



## ANNEXURE - III

[ See paragraph 1(i) of the Guidelines ]

### बिहार राज्य प्रदूषण नियंत्रण पर्षद् पटना

अधिसूचना : 45

पटना, 8 नवम्बर, 1995

1. सं० -प./नि 5-1029/95-45 जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 की धारा-25 और 26 तथा वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 की धारा-21 के प्रावधानों एवं उक्त अधिनियमों के उद्देश्यों के कार्यान्वयन, तथा उद्योगों के संस्थापन हेतु एन.ओ.सी. देने के लिए, पर्षद मंडल द्वारा दी गयी शक्तियों का प्रयोग करते हुए अध्यक्ष, बिहार राज्य प्रदूषण नियंत्रण पर्षद् द्वारा निम्न व्यवस्था एवं प्रक्रिया निर्धारित की जाती है।
2. विषय विन्दु संबंधित निर्णय हेतु एक समिति गठित है। आवश्यकतानुसार स्थल निरीक्षण हेतु अध्यक्ष, बिहार राज्य प्रदूषण नियंत्रण पर्षद् द्वारा कम से कम 3 सदस्यों को मनोनीत किया जायेगा।
3. उपरोक्त समिति विहित प्रपत्र में पूर्ण आवेदन, (प्रोजेक्ट रिपोर्ट, निर्धारित फीस, साइट मैप इत्यादि सहित) पर्षद् में प्राप्ति की तिथि से 30 दिनों के अंदर निस्तारित करेगी। लाल श्रेणी (खतरनाक एवं अत्यंत प्रदूषणकारी) उद्योगों के लिए आवेदन के साथ पर्यावरणीय प्रभाव मूल्यांकन प्रतिवेदन भी देना अनिवार्य होगा।
4. अनापत्ति प्रमाण-पत्र (एन.ओ.सी.) के लिए फीस का निर्धारण अन्य राज्य पर्षद् की भांति अलग से किया जायेगा।
5. अनापत्ति प्रमाण-पत्र (एन.ओ.सी.) अधोहस्ताक्षरी या इनके द्वारा प्राधिकृत पदाधिकारी के द्वारा उक्त आवेदन प्राप्ति की तिथि से 45 दिनों के अन्दर निर्गत किया जायेगा।
6. औद्योगिक इकाई के संस्थापन/विस्तार के पूर्व इस अधिसूचना के तहत अनापत्ति प्रमाण-पत्र प्राप्त करने के उपरांत ही उन्हें जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1974 की धारा-25 एवं 26 और वायु (प्रदूषण निवारण तथा नियंत्रण) अधिनियम, 1981 की धारा-21 के तहत सहमति आदेश दिया जा सकेगा।
7. यह अधिसूचना, बिहार सरकार की औद्योगिक नीति - 1995 की कंडिका 14 और केन्द्रीय पर्यावरण एवं वन मंत्रालय की अधिसूचना, एस.ओ. 060 (ई) दिनांक 27 जनवरी, 1994 का पृ० 17 की कंडिका 1 के अनुपालन हेतु भी निर्गत की जा रही है और यह अधिसूचना निर्गत की तिथि से लागू होगा।

ह०/-

(रमेश चन्द्र सिन्हा)

अध्यक्ष



ज्ञापांक : 1304

पटना, दिनांक : 08.11.95

**प्रतिलिपि :** औद्योगिक विकास आयुक्त एवं सचिव, बिहार को उनके अर्द्धसरकारी पत्र संख्या-24 औ.वि.आ., दिनांक 04.11.95 के क्रम में सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह०/-

(रमेश चन्द्र सिन्हा)

अध्यक्ष

ज्ञापांक : 1304

पटना, दिनांक : 08.11.95

**प्रतिलिपि :** आयुक्त एवं सचिव, वन एवं पर्यावरण विभाग, बिहार को प्रेषित करते हुए कहना है कि यह अधिसूचना राज्य की औद्योगिक नीति, 1995 की कंडिका 14 के अनुपालन हेतु निर्गत की गयी है।

ह०/-

(रमेश चन्द्र सिन्हा)

अध्यक्ष

ज्ञापांक : 1304

पटना, दिनांक : 08.11.95

**प्रतिलिपि :** राज्य सरकार के सभी विभागाध्यक्षों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह०/-

(रमेश चन्द्र सिन्हा)

अध्यक्ष

ज्ञापांक : 1304

पटना, दिनांक : 08.11.95

**प्रतिलिपि :** सदस्य-सचिव, बिहार राज्य प्रदूषण नियंत्रण पर्षद् को प्रेषित। इस अधिसूचना को बिहार राज्य प्रदूषण नियंत्रण पर्षद् के क्षेत्रीय कार्यालयों/मुख्यालयों के संबंधित पदाधिकारियों के सूचनार्थ एवं आवश्यक कार्रवाई हेतु कृपया परिचालित की जाय।

ह०/-

(रमेश चन्द्र सिन्हा)

अध्यक्ष

ज्ञापांक : 1367

पटना, दिनांक : 20.11.95

**प्रतिलिपि :** आंचलिक पदा. I एवं II, क्षेत्रीय पदाधिकारी, क्षेत्रीय कार्यालय, राँची, धनबाद, हजारीबाग, जमशेदपुर, मुजफ्फरपुर, बरौनी, भागलपुर/पर्षद् विश्लेषक/प्रशासी पदाधिकारी/जन-सम्पर्क पदाधिकारी/सभी प्रशाखा पदाधिकारी/सभी कनीय पर्यावरण अभियंता (मु०) को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह०/-

(मदन प्रसाद सिंह)

सदस्य-सचिव



## ANNEXURE - IV

[ See paragraph 1(ii) of the Guidelines ]

### INDUSTRIES INVOLVING HAZARDOUS PROCESSES

1. Ferrous Metallurgical Industries
  - (a) Integrated Iron and Steel Plant;
  - (b) Ferro-alloys;
  - (c) Special Steels;
  - (d) Re-rolling Mill, Coupla Furnace, Induction Furnace.
2. Non-Ferrous Metallurgical Industries.
  - Primary Metallurgical Industries, namely Zinc, Lead, Copper, Manganese and Aluminium.
3. Foundaries (Ferrous and Non-Ferrous)
  - Casting and forgings including cleaning or smoothening, roughening by sand and shot blasting.
4. Coal Industries
  - (a) Coal, Lignite, Coke etc.;
  - (b) Fuel Gases (Including Coal Gas, Producer Gas, Water Gas)
  - (c) Hard Coke and Soft Coke, Briquette, Petroleum Coke.
5. Power Generating Industries.
6. Pulp and Paper Industries.
7. Fertilizer Industries.
  - (a) Nitrogenous;
  - (b) Phosphatic;
  - (c) Complex;
  - (d) Mixed Formulation.
8. Cement Industries.
  - Portland Cement (Including Slag Cement, Puzzolona Cement and their products).
9. Petroleum Industries.
  - (a) Oil Refining;
  - (b) Lubricating Oil and Greases, Wax unit, Soap unit.



10. Petro-chemical Industries.
11. Drugs and Pharmaceutical Industries.
  - (a) Basic Drug;
  - (b) Narcotics and Pharmaceuticals preparation.
12. Fermentation Industries (Distilleries and Breweries).
13. Rubber (Synthetic) Industries.
14. (a) Paints
  - (b) Pigment Industries.
15. Leather Tanning Industries.
16. Electroplating Industries.
17. Chemical Industries.
  - (a) Coke Oven By-products and Coaltar Distillation Products.
  - (b) Industrial Gases (Acetylene, Hydrogen, Sulphur-di-Oxide, Nitrous Oxide, Halogenated Hydrocarbon, Ozone etc.).
  - (c) Industrial Gases, Nitrogen, Oxygen, Argon, Carbon-di-Oxide.
  - (d) Industrial Carbon.
  - (e) Alkalies and acids;
  - (f) Chromates and dichromates;
  - (g) Lead and its compounds;
  - (h) Electrochemicals (metallic Sodium, Potassium and Magnesium);
  - (i) Chlorates, perchlorates and peroxides;
  - (j) Electrothermal products (artificial abrasive, Calcium Carbide),
  - (k) Nitrogenous compounds (Cyanides, cyanamides and other nitrogenous compounds).
  - (l) Halogens and halogen compounds (Chlorine, fluorine, bromine and iodine).
  - (n) Explosive (including industrial explosives and detonators and fuses).
18. Insecticides, Fungicides, Herbicides and other pesticides industries.
19. Synthetic resins (PVC) and Plastics.



20. Man-made Fibre (Cellulosic and noncellulosic) Industry
21. Manufacture and repair of electrical accumulators.
22. Glass, Ceramics, Refractory, Limekiln, Plywood Factory, Saw Mill, Tyre Retrading.
23. Grinding or Glazing of Metals and Stone.
24. Manufacture, handling and processing of asbestos and its products.
25. Extraction of oils and fats from vegetable and animal sources.
26. Manufacture, handling and use of benzene and substances containing benzene.
27. Manufacturing processes and operations involving carbon-di-sulphide.
28. Dyes and Dyestuff including their intermediates.
29. Highly flammable liquids and gases including storage and refilling of cooking gas.

The Battery limit of industries listed against serial nos. 1(b), (c), (d)/3/4 (c)/7(d)/9/(b)/11(b) 14(a)/16/17(j)/22/23 and 25 must maintain a distance of minimum 200 m, while Battery limit of rest of industries must be at a distance of minimum 500 m. from National/State Highway, Railway line, River and Habitation.



## ANNEXURE - V

[ See paragraph 1(ii) of the Guidelines ]

### MAJOR POLLUTING INDUSTRIES

1. Caustic Soda Industries;
2. Man made fibres/synthetic Industries;
3. Oil Refinery Industries;
4. Sugar Industries;
5. Thermal Power Plants;
6. Cotton Textile Industries (Composite Processing);
7. Composite Woolen Mills;
8. Dye & Dye Intermediate Industries;
9. Electroplating Industries;
10. Cement Plants;
11. Coke Ovens;
12. Synthetic Rubber Industries;
13. Paper & Pulp Industries;
14. Fermentation Industries;
15. Hide Processing and Tanning;
16. Fertilizer Industries;
17. Manufacture of Alumina, Aluminium;
18. Calcium Carbide Industries;
19. Carbon Black Industries;
20. Copper, Lead & Zinc Smelting Industries;
21. Nitric Acid Industries;
22. Sulphuric Acid Industries;
23. Integrated Iron & Steel Industries;
24. Natural Rubber Industries;
25. Stone Curshing;
26. Basic Drugs.

Battery limit of category of industries listed against Sl. Nos. 9, 18, 24 and 25 must be minimum 200 metres and rest twenty two categories of industries minimum 500 metres from National/State Highway, Railway line, River and Habitation.



## ANNEXURE - VI

[ See paragraph 2(ix) of the Guidelines ]

List of Industries exempted from the criteria provided in sub-paragraph (iv) under paragraph - 2 : provided number of persons employed in the unit is less than 10, if working with the aid of power and less than 20, if working without the aid of power and likelihood of noise is within the permissible limit :—

1. Electric Generators upto 10 kVA.
2. Chara cutting machine (excluding machine operated).
3. Cloth tailoring and garment complex.
4. Chura mill.
5. Atta Chakkies (not flour mill).
6. Rice mullors (not rice mill) of less than 1 t/d. processing capacity.
7. Dal mill of less than 1 t/d. processing capacity.
8. Ground nut deconticating (dry).
9. Cotton and woolen hosiery.
10. Handloom weaving.
11. Gold and silver thread and zari work.
12. Gold and silver smithy.
13. Leather footwear and leather products excluding tanning and hide processing.
14. Musical instruments manufacturing.
15. Sports goods.
16. Bamboo and cane products (only dry operating).
17. Cardboard box and paper products (paper and pulp manufacture excluded).
18. Scientific and mathematical instruments assembly.
19. Furniture, Wooden and Steel.
20. Assembly of domestic electric appliances.



21. Radio assembling.
22. Fountain pens.
23. Polythene bags.
24. Rope ( Cotton and plastic ).
25. Assembly of air coolers and conditioners.
26. Assembly of bicycles and other non-motorised vehicles.
27. Electronics equipment assembly.
28. Toys, candles.
29. Carpentry ( excluding saw mill ).
30. Oil ginning/expelling ( no hydrogenation and no refining ).
31. Jobbing and Machining.
32. Manufacture of steel trunks, suitcases, paper pins and clip.
33. Block making for printing.
34. Footwear ( Rubber ).
35. Manufacture of Mirror from sheet glass and photoframing.
36. Juicing of sugarcane and gur making ( capacity less than a half t/d ).
37. All other nonpolluting small scale units not listed above.



## ANNEXURE - VII

### CENTRAL POLLUTION CONTROL BOARD

#### NOTE REGARDING SITING OF BONE MILLS

The Hon'ble Supreme Court is seized of the problem of location of bone mills in the country and in the State of Uttar Pradesh in particular. In fact the bone mills are involved in processing of defleshed and waste bones from bone godown/industries for various beneficial uses. The raw material is first stored in open space so that it can be sun-dried perfectly. This period of drying the bones is critical as it creates noxious and unbearable smell at the time of bacterial decomposition of left-over flesh apart from its not being aesthetic. More so, the spread of these raw material in a wider space also attracts vultures, flies etc., which act as vectors in transmitting of diseases. As the drying of bones takes longer period during monsoon, the problem aggravates resulting in water and soil pollution. At times, the dry bones are soaked/boiled in brine solution (commonsalt) in order to deflesh the bone and make it process-friendly. The wastewater is disposed of without any treatment on land which results in pollution of surface water, groundwater and soil. The process as a whole is noxious emitting foul smell, aesthetically unsound and environmentally unfriendly. However, when it is unavoidable, the activities may be regulated in accordance with the recommendation mentioned hereunder :

#### Recommendation

1. Bone mills be located away from the habitation atleast at a distance of not less than 2 Km.
2. It should not be located in the upwind direction of the locality.
3. The activities should also be away from the sensitive/religious and institutional areas, tourist resorts, hospitals, hotels and such other places.
4. Any activity of this nature should have a consent from the State Pollution Control Board and the local municipal authorities.
5. The wastewater discharged from such units should be properly treated and not permitted to join any water body without treatment.
6. The activity should be banned on air traffic routes, aerodromes/airstrips atleast upto a distance of ten kilometer to avoid bird hits of aircraft which has become so frequent a phenomenon particularly in Ghaziabad Area (Hindon base of the air force). The Aircraft Rules 1937 framed



under the Aircraft Act, 1934 also provide prohibition of certain activities in the vicinity of aerodrome "Rule 81B" of the Aircraft Rules, 1937 read as under :

"81B, Prohibition of slaughtering and flaying of animals, depositing of rubbish and other polluted or obnoxious matter in the vicinity of aerodromes — No person shall slaughter or flay any animal or deposit or drop any rubbish, filth, garbage or any other polluted or obnoxious matter including such material from hotels, meat shops, fish shops and bone-processing mills which attracts or is likely to attract vultures or other birds and animals, within a radius of ten kilometres from the aerodrome reference point :

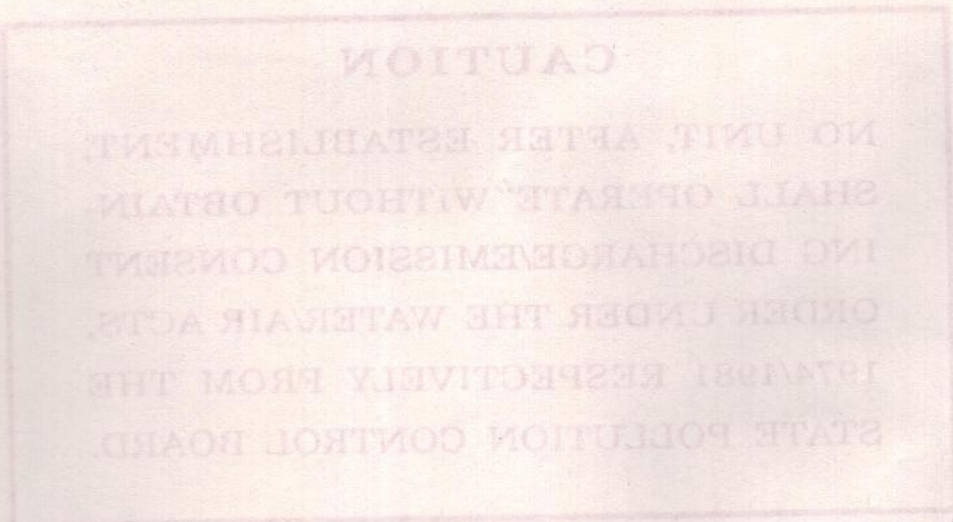
Provided that the Director General or a Deputy Director General of Civil Aviation may, if he is satisfied that proper and adequate arrangements have been made by the owners of hotels, meat shops, fish shops and bone-processing mills so as to prevent attraction of vultures or other birds and animals, having regard to the vicinity of place of slaughter from the aerodrome, arrangements for disposal or deposit of carcass, rubbish and other polluted and obnoxious matter, grant permission in writing for the purpose."

Sd/-

04.01.96

**(S. P. CHAKRABARTI)**

Member Secretary





## **R & D Wing at BSPCB**

This R & D Service includes :

1. Water and Air analysis for all parameters needed for environmental control;
2. Study of VOC and particulate matter (metal) in atmosphere;
3. Noise level measurements;
4. Treatability studies of industrial effluents and emissions — Design of corresponding treatment plants;
5. Preparation of Environmental Statmeent;
6. Preparation of Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP Reports).
7. Advice on cleaner technology.

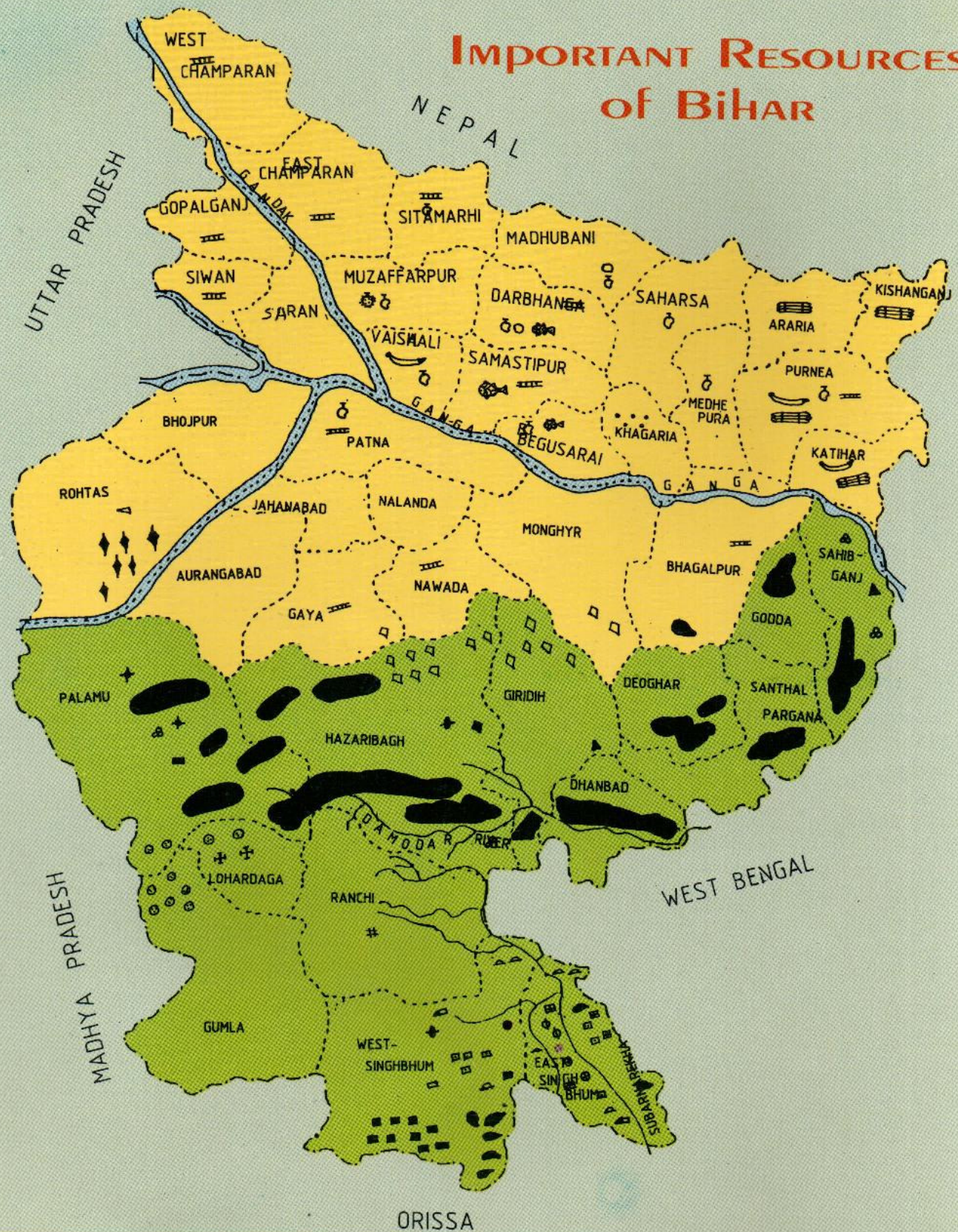
For further information, contact R & D Wing.

### **CAUTION**

**NO UNIT, AFTER ESTABLISHMENT,  
SHALL OPERATE WITHOUT OBTAIN-  
ING DISCHARGE/EMISSION CONSENT  
ORDER UNDER THE WATER/AIR ACTS,  
1974/1981 RESPECTIVELY FROM THE  
STATE POLLUTION CONTROL BOARD.**



# IMPORTANT RESOURCES of Bihar



	LICHI		APATITE		COPPER ORE		MICA
	MANGO		ASBESTOS		FELSPAR		OCHRES
	BANANA		BARYTES		FIRECLAY		PYRITE
	FISH		BAUXITE		GRAPHITE		QUARTZ & SILICA SAND
	SUGARCANE		BENTONITE		IRON ORE		STEATITE
	JUTE		CHROMITE		KYANITE		URANIUM MINERALS
	MAKHANA		CHINACLAY		LIMESTONE & DOLOMITE		STATE BOUNDARY
	OIL SEED		COAL		MANGANESE ORE		RIVER
							DIST BOUNDARY