

STATE POLLUTION CONTROL BOARD, ORISSA

THE WATER (PREVENTION AND CONTROL OF POLLUTION ACT, 1974 (ACT, 6 OF 1974))

FORM IV

Application for consent for beginning to make any new discharge / continuing discharge
of sewage or trade effluent under Section 25 or 26 of the Act.

(To be submitted in triplicate)

(See Rule 21)

From :

Date

To

The Chairman
State Pollution Control Board, Orissa,
Bhubaneswar

Sir,

1. I/We apply to the State Pollution Board, Orissa for consent under "Section 25/Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 (Act 6 of 1974) to bring into use any new or altered outlet for the discharge of *Sewage/trade effluent, to being to make new discharge of *Sewage / trade effluent or continue to make discharge of *Sewage / trade effluent from land / premises owned by (1) for a period up to (2) in accordance with the facts indicated in the Annexure, Apendices plan etc.

I/We are discharging or propose to discharge :

- (a) Sewage / Sullage Via drains/outfall sewers/treatment works
- (b) Trade effluent Via drains/outfall sewers/treatment works
- (c) Solid wastes into (3)

(i) Stream / River

OR

(ii) On land for irrigation, bearing Survey No.
adjoining / at a distance of from stream / River

OR

(iii) Lake, Pond adjoining / at distance of from stream / River

OR

(iv) Directly on land for open percolation into subterranean state of Survey No..... adjoining/at distance of from stream / River.

OR

(v) Tidal waters/ estuarine water known as

OR

(vi) Sea along/off the shore known as

- 2. The annexure, appendices other particulars and plans in triplicate are attached herewith.
- 3. I/We further declare that the statements made and informations furnished in the Annexures, appendices, and plans are true to the best of my/our knowledge. I/We understand that it is an offence to make a false statement in apply for any proposed consent, (See Section 42(l) (f) of the Act.
- 4. I/We hereby submit that in case of change of the point or the quantity of discharge or 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 be Board an application for renewal of CONSENT three months in advance of the date of expiry of the period consented to for outlet discharge, if to be continued thereafter.
- 6. I/We undertake to furnish any other information within one month of its being called for by the Board. We further understand that only the dates on which all the relevant particulars in order to make the application complete in all respects, are furnished by us, will be reckoned as the date of making the application irrespective of the date of submission of the original application, which is incomplete.

Yours faithfully,

Accompaniments

Signature (s).....

Name (s) of Applicant(s).....

Address of Applicant (s).....

with seal

.....
.....
.....

*Note: Strike out entries not relevant
(33/2375/8)

ANNEXURE TO FORM –IV
Existing / New / Altered

Note – Any applicant knowingly giving incorrect information or suppressing any information pertaining there to shall be liable to be furnished under the Act, while filling this Annexure, the Applicant not concerned with any of the items shall state “Not concerned” against the relevant one.

1. Full name of Applicant with address
(in block letters) _____

(Tel No.)
Telegram

2. Full name of land/ premises/ Area/
Institute/Factory/Industry/Treatment
plant, with address _____
(Tel No.)
District Subdivision.....

3. Revenue/Survey number of land
premises for which the application is
made stating District Subdivision and
Village. Town Village
Revenue Survey No.
Area in Hectares

4. State the month and the year in which
the land premises/Area/Institute/
Factory/Industry/ Treatment plant was
actually put into commission or is
proposed to be put into Commission. _____
Corporation
Municipality
Panchayat
Cantonment

5. State the Civil/ Minister/ Defence/
Industrial etc. under whose
administrative jurisdiction the
applicant's land / Premises is situated. Defence Department
Port Trust
State Government
Prohibited Area.....

- 6.(a) State whether the land/ premises /
factory / industry 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 the prohibited area.

7. Is the industry / factory for which application is made closed on any days of the week. If so give the days on which it is closed. Yes/No

8. State working season in a year for the industry / Factory (a) Full year
(b) Par

	No. 1	No. 2	No.3	General
Shift : -----				
	Hour	Hour	Hour	Hour

From To
From To
From To
From To
..... every year

9. (a) No. of workers attending the factory
(b) No. of workers residing in the premises

10. (For local Bodies only)
(a) Present Population
(b) Population covered under regular sewerage facilities.
(c) Population covered by conservancy latrines.
(d) Population having septic tank/pit privy facilities.

11. (a) List the raw materials used such as metals , alloys, oils fuel etc. used per month in Metric tonnes.

Metal and Alloy		Name
		Weight

Chemicals	(a) inorganic	Name
		Weight

[Chemical]	(b) Organic	Name
		Weight

[Chemical]	(c) Dyes	Name
		Weight

[Chemical]	(d) Pesticides & Insecticides	Name
		Weight

[Fuels]	(a) Wood	Name
		Weight

[Fuels]	(b) Coal	Name
		Weight

[Fuels]	(c) Oil	Name
		Weight

[Fuels]	(d) Gases	Name
		Weight

[Fuels]	(e) Other	Name
		Weight

(b) List of the products and by –products manufactured and the production per month.

Serial No.	Name of product / by product	Quantity in Metric tonnes per month
------------	------------------------------	-------------------------------------

(attach separately if space insufficient)

(c) Brief description of production process :

(attach separately if space insufficient)

12. (a) State quantity of water in liters used per day. Break up of quantities of water used :
- (a) For manufacturing process l/day
 - (b) As wash water l/day
 - (c) As cooling water l/day
 - (d) Domestic l/day
 - (e) Agriculture l/day
 - (f) Other use l/day
- (b) Source of water (State the name of river or lake or any other source)
13. State whether storm water drains are kept separate from Industrial/Domestic effluent drains Yes/No
14. (a) If domestic effluent allowed to get mixed in Industrial effluent Yes/No.
- (b) If yes, state the ratio Domestic / Industrial
- (c) State whether any treatment is given to the domestic waste before allowing to mix with an industrial effluent.
- (d) If no, state how it is disposed of and treatment given if any.
15. Is there any provision or proposal for disposal of :
- | | Already made | Proposed to be made |
|---|--------------|---------------------|
| (a) Domestic effluent in public underground sewer | Yes/No | Yes/No |
| (b) Industrial effluent in public underground sewer | Yes/No | Yes/No |
| (c) Give the name of public authority owing the sewer | | |
16. (a) Give the name of, or sufficient description to identify, the stream or well of discharge into which CONSENT is applied for
- (b) Location of discharge

Ref. No. of outlet in the map	State whether discharging into stream well/Land for irrigation / percolation	Occupation or access	Contiguous land	Expected date of acquisition of interest or right of access
(1)	(2)	(3)	(4)	(5)

17(a) Quality of effluent/ sewage

Ref.No. of outlet in the map	Process unit from which the effluent is discharged	Quantity of discharge in liters per day	Treatment given to the effluent (if any) before discharge	Ref. No. of Analysis report	Frequency of analysis of effluent
(1)	(2)	(3)	(4)	(5)	(6)

Provide 3 copies of analysis report of the effluent at each point in the prescribed analysis report from attached

(b) Quantity of discharge

Ref. No. of outlet in map	Maximum quantity discharged (in liters)			How is the quantity measured	If there are variation in rate of discharge whether Remarks particulars of variations	Remarks	
	Whether the discharge is seasonal or round the year give particulars	Per year	Per day				Per hr.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Note : Furnish a graph showing variations in the rate of discharge, if not uniform round the clock.

(c) Details of outlet

Ref.No. of outlet in the map attached	Type of outlet and size	Free discharge or submerged discharge	Velocity of discharge	Whether cross section at point	Gravity flow or pumping
(1)	(2)	(3)	(4)	(5)	(6)

Note : Give a cross section at each point of discharge furnishing the levels of the invert of outlet water level of receiving body of water, ground level etc.

18.	Is there any provision for equalizing or holding lagoons or tanks to store the effluent during unfavourable stream or tidal conditions	<u>Already made</u>	<u>Proposed made</u>
	(i) Domestic		
	(ii) Industrial		
	(iii) Combined effluent		

19.	Is sufficient land available / can be made available in case land disposal of effluent is proposed	Yes/No.	Area available
-----	--	---------	----------------

20.	(a) Is the effluent toxic	Yes/No.
	(b) State if the Industrial effluent is	
	(i) Having unpleasant smell	Yes/No.
	(ii) Irrigating	Yes/No.
	(iii) Corrosive	Yes/No.
	(iv) With colour	Yes/No.

(c) Is there any sudden change of temperature of effluent exceeding 10⁰C at any time

Yes/No

21. Are facilities available with the applicant for carrying out the following tests of the waste water.

	<u>Existing</u>	<u>Proposed</u>
(i) Physical	Yes/No.	Yes/No.
(ii) Chemical	Yes/No.	Yes/No.
(iii) Bacteriological	Yes/No.	Yes/No.
(iv) Toxicological	Yes/No.	Yes/No.

22. State details of solid wastes	Descriptions Quantity	Method of collection	Method of disposal
(i) Seasonal waste			
(ii) Spillage			
(iii) Rejected materials			

23. Give details of any other matters which you wish the Board to take into account in considering this application.

Signature (s).....

Name(s) of Applicant(s).....

.....

.....

Address of Applicant(s).....

with Seal

.....

.....

.....

REPORT OF ANALYSIS OF EFFLUENT / SEWAGE

Details of composition of Domestic/Industrial combined effluents in respect of the following :

Reference numbers outlet in the Map	Effluent before Treatment			Effluent after treatment		
Date of analysis	At Max. Dis.	At Min. Dis	At Ave. Dis	At Max. Dis	At Min. Dis	At. Ave. Dis
	(1)	(2)	(3)	(4)	(5)	(6)

- | | |
|-----|--|
| 1. | PH |
| 2. | Colour-units |
| 3. | Temperature(°C) |
| 4. | Suspended solids |
| 5. | Dissolved solids |
| 6. | Total volatile solids, mg/l |
| 7. | (a) Acidity |
| | (b) Alkalinity |
| 8. | Free Ammonia mg/l |
| 9. | Ammonia nitrogen (mg/l) N |
| 10. | Nitrates (mg/l) N |
| 11. | Dissolved Oxygen, mg/l |
| 12. | B.O.D. 5 days at 20°C mg/l |
| 13. | C.O.D. mg/l |
| 14. | Oil and grease, mg/l |
| 15. | Chloride, mg/l (as cl) |
| 16. | Phosphates (P) mg/l |
| 17. | Phenolic compounds
mg/l (As Phenol) |
| 18. | Cyanides (As CN)mg/l |
| 19. | Sulphides (As S) mg/l |
| 20. | Sulphates (As SO ₄) |
| 21. | Insecticides, mg/l |
| 22. | Total residual chlorine
(As cl.) mg/l |
| 23. | Fluorides (As F) mg/l |
| 24. | Boron (As B)mg/l |
| 25. | Arsenic (as As)mg/l |
| 26. | Barium (as Ba) mg/l |

	(1)	(2)	(3)	(4)	(5)	(6)
27. Percent Sodium						
28. Cadmium (as Cd.) mg/l						
29. Copper (as Cu.) mg/l						
30. Lead (as pb)mg/l						
31. Chromium (as Cr.) mg/l						
Chromium Hexavalent (as Cr.) mg/l						
32. Mercury (as Hg.) mg/l						
33. Nickel (as Ni.) mg/l						
34. Selenium (as Se.) mg/l						
35. Silver (as Ag.)mg/l						
36. Zinc (as Zn) mg/l						
37. Any other metal mg/l						
38. Carbon chloroform extracts						
39. Pesticides, mg/l						
40. Bioassay for toxic constituent TL 90 (96 hours)						
41. Radioactive materials -						
(a) Alpha Emitters Uc/ml max.						
(b) Beta Emitters Uc/ml Max.						

Signature (s).....

Name(s) of Applicant(s).....

.....

.....

Address of Applicant(s).....

with Seal

- Note :
1. Furnish a copy of the analysis report of representative samples carried out by a competent laboratory.
 2. Expecting where such methods of determination are not available in ISI, the standard methods as laid down in the book "Standard method for the examination of Water and Waste Water" published by APHA will be followed for determination of the above mentioned parameters.
 3. If there is absolutely no possibility of any particular constituent being present in the effluent, the applicant must state this fact in the analysis report against the particular characteristic and this need not be analyzed for. But the applicant should take full responsibility for this statement and he will be proceeded against according to the provisions of the Act if his statement is found to be incorrect.

EXPLANATORY NOTES FOR FILLING IN FORM NO. IV AND THE ANNEXURE

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

1. Here mention the name of the owner of the land/ premises if other than the applicant industry or factory. If the land or premises belong to the factory industry, say "self".
2. Here mention the date up to which the consent is sought for.
3. Here mention the local name of the river/ stream tidal waters or sea as may be applicable.

ANNEXURE TO FORM – IV

For definition of stream refer to Section 2 (i) of the Act. Outlet means the arrangements for discharging of the effluent for which the consent is sought for.

Discharge	Means the effluent going out of the outlet
Existing	Means that which is in operation at the time of applying for the consent.
New	Means that which will be sought into operation in future
Altered	Means that which has been modified due to changes in quantity and/or quality of discharge, arrangement and / point of discharge etc.
Item :	Here given the name of the person who is authorized by the Institution/ Industry / Factory/ Local Body etc. to transact their legal business.
Item 2	Here give the registered name of the Institution / Factory/ Industry etc. under which the business is carried out.
Item 5	Here state the concerned institution under whose administrative control the Factory/ Industry etc. is set up.
Item 6	Applicable only to those areas which are prohibited areas, such as the Ordnance Factory, Mint. etc.
Item 11(c)	Attach a separate sheet if space is not sufficient
Item 16(d)	
Column(1)	Enter the reference number of discharge on the map accompanying this applicant of each of the points at which you propose the Board should authorized discharge of sewage or Trade effluent.
Column (3)	Opposite the reference number of that point enter Occupier – If you are the occupier of the land contiguous to the inland water at the point, or
"Potential Occupier"	If you have entered into negotiations to acquire and interest which will entitle you to occupy such land : or
"Right of access"	If you have a right of access to such land : or

- “Potential right of access” If you expect to have a right to access to such land, and
- In Column(4) Specify the land – say ‘coloured blue’ (by reference to the map accompanying this application), and
- In Column(5) Opposite each entry in column (4) which is potential occupier or potential right of access specify the date upon which you expect to acquire the interest in, or the right of access to, the land.
- Item 17. Here, give the quality and quantity of effluent or different types such as domestic, industrial or mixed etc. proposed to be let into the stream, river, lakes, sea etc. as may be applicable.

Standard Methods

Accompaniments :

1. General – Site Plan
2. Detailed layout plan of the factory premises, showing structures, water supply lines, storm drain, sewers for domestic effluents and for trade effluents, location of effluent treatment units and its disposal outlet points and any other useful information.
3. Flow sheet of effluents.
4. Report of analysis of the effluent (Chemical / Physical and Bacteriological) at the point immediately before discharge into the stream or well in prescribed form.

The analysis to be furnished shall cover as many parameters are expected to be found, in the effluent. If some of the parameters are not expected to be found, say “not applicable”. If some other parameters that those listed under the items are expected, the same may be mentioned at the end. The analysis shall be separately furnished for domestic. Industrial and combined effluents.

For each discharge, separate analysis report is necessary. Attach separate reports for each discharge.

5. Cross section at each discharge point showing the invert level of outlet, level of water in the stream, the ground level, etc.

7. Means of Finance

- (a) Equity (Promoter, Financial Institution, Public Issue)
- (b) Unsecured loan
- (c) Seed Capital / Soft Loan
- (d) Subsidy
- (e) Other subsidy
- (f) Term Loan

8. Investment made in Plant and Machinery

9. Expenditure incurred or proposed to be incurred for pollution control measures

Signature of Occupier/ Applicant

Date :

ANNEXURE TO FORM –IV

In pursuance of Forest and Environment Department Notification No. 6235, dtd. 25.04.2007 consent fees to operate has been fixed for the following different category of industries, as mentioned against each. This consent fees has been made effective from 01.04.2008. Therefore all the applications for the year 2007-2008 and beyond should be accompanied with fees as per the rate detailed below. You may refer to Board's website ospcboard.org regarding categorization of industries / units (Green/Orange/Red).

FESS FOR CONSENT TO OPERATE UNDER WATER (PCP) ACT, 1981

A. Industries including Hotels/Development Project.

Investment (Rs.)	Green	Orange	Red
Upto Rs.60 Lakh	400	1,000	1,500
60 Lakh to less than 3 Crores	2500	3,000	3,500
3 Crores to less than 5 Crores	5000	6,000	7,000
5 Crores to less than 10 Crores	10,000	12,000	15,000
10 Crores to less than 20 Crores	12,000	15,000	20,000
20 Crores to less than 30 Crores	15,000	20,000	30,000
30 Crores to less than 50 Crores	20,000	25,000	35,000
50 Crores to less than 70 Crores	25,000	30,000	40,000
70 Crores to less than 100 Crores	30,000	35,000	45,000
100 Crores to less than 200 Crores	35,000	40,000	50,000
200 Crores to less than 500 Crores	40,000	50,000	60,000
500 Crores to less than 1000 Crores	50,000	60,000	70,000
1000 Crores to less than 5,000 Crores	60,000	80,000	1,00,000
5000 Crores to less than 10,000 Crores	80,000	1,00,000	1,20,000
10,00,000 Crores and above	1,00,000	1,20,000	1,50,000
	Plus 0.0012% of additional investment above 10,000 Crores subject to maximum Rs.10.0 Lakhs		

B. Local Authority

Sl.No.	Population	Consent Fees / Annum (Rs.)
1.	Upto 50,000	5,000
2.	50,000 to less than 1,00,000	7,500
3.	1,00,000 to less than 5,00,000	15,000
4.	5,00,000 and above	30,000

C. Mining Project

Sl.No.	Lease Hold area in Ha.	Consent Fee/Annum (Rs.)
01.	Upto 5 Ha.	1,500
2.	5 Ha. to less than 25 Ha.	5,000
3.	25 Ha. to less than 100 Ha.	15,000
4.	100 Ha. to less than 500 Ha.	25,000
5.	500 Ha. to less than 1000 Ha.	50,000
6.	More than 1000 Ha.	75,000

D. Aquaculture Project

Sl.No.	Lease Hold area in Ha.	Consent Fee/Annum (Rs.)
01.	Upto 40 Ha.	Consent is not required
2.	40 Ha. to less than 100 Ha.	25,000
3.	100 Ha. to less than 200 Ha.	30,000
4.	200 Ha. to less than 500 Ha.	40,000
5.	500 Ha. to less than 1000 Ha.	60,000
6.	More than 1000 Ha.	75,000

Concession of 25% in consent fees will be allowed for the following categories industries / operation.

1. Industries manufacturing/proposed to manufacture products with ecomark.
2. Any industry utilizing at least 70% of waste product generated from other industries as its major raw material such as fly ash brick unit, cement plants using fly ash and/or slags etc. Units having waste utilization as captive consumption shall not get this benefit.
3. Units engaged in waste treatment / processing / disposal such as sewage treatment plant for ULBs, municipal solid waste management or processing plants, CETPs etc.

**ADDITIONAL INFORMATION TO BE SUBMITTED ALONG WITH FORM I & IV
FOR THE MINES**

1.	Name of the lessee :		
2.	Detail postal address of the lessee :		
3.	e-mail address and Phone No. :		
4.	Total area of the lease in Ha Forest area in Ha - Non - Forest are in Ha -		
5.	Lease deed executed on		
6.	Period of lease		
7.	Date of expiry of lease		
8.	Status of RML if any (applied for 1st RML, 2nd RML or 3rd RML with date)		
9.	Mineral(s) to be excavated :		
10.	Quantity of Mineral (s) in T/A or Lakh Ton/A or Million Ton/A applied for obtaining consent to operate		
11.	Production details from the date of opening of mine (financial year wise) -Attach a separate sheet along with copy of IBM returns		
12.	Type of mining(manual/semi-mechanized/ mechanized)		
13.	Stripping Ratio (OB: Ore)		
14.	Pit/quarry details:		
	(i) Nos. of working pit/quarry	:	
	(ii) Nos. of Non-working pit/quarry	:	
	(iii) Nos. of abandoned pit/quarry if any	:	
	(iv) Proposal of development of additional pit/quarry if any & its area in Ha.	:	
	(v) Area of working pit/quarry in Ha	:	
	(vi) Area of non-working pit/quarry in Ha	:	
	(vii) Area of abandoned pit/quarry	:	
15.	Crushing & Screening Plant details		
	Crusher/Screen	Capacity in TPH	Type of plant(Mobile/static)
	Operating hrs per day		
	(a) No. of Crusher		
	(i)		
	(ii)		
	(iii)		
	(b) No. of Screen		
	(i)		
	(ii)		
	(iii)		
16.	Ore beneficiation plant		
	(a) Dry beneficiation		
	(b) Wet beneficiation/washery	-	Yes/ No
	(c) Capacity of the plant in TPH	-	Yes/ No
	(d) Through put in TPH	-	
	(e) Output in TPH	-	
	(f) Operating hours per day	-	

17.	Mineral/Coal handling plant (MHP/CHP)			
	(a)Capacity in TPD -			
18.	Water uses:			
	Purpose	Quantity in KLD	Source {Groundwater/ Surface water (name)/other}	
	(i) Drinking/Domestic (ii) Waster sprinkling (iii) Wet beneficiation/washery (iv) Plantation (v) Others			
19.	Name of the nearest surface water body (River/stream/Nalla)			
20.	Management of top soil, OB, rejects/waste and sub-grade ore			
	Area	Nos	Area in covered in Ha	Control measures taken (Provision of garland drain, Toe/retention wall and settling pond for management of surface run off)
	Top soil dump			
	OB dump			
	Reject/waste dump			
	Sub-grade ore dump			
	Stabilized dump.			
21.	Air Pollution Control with details			
	Source		Air pollution control measures taken	
	Drilling and blasting			
	Excavation			
	Loading and unloading			
	Transportation on haul road			
	Crushing and Screening plant			
	Ore beneficiation plant			
	Mineral/coal handling plant			
	Ore/mineral stack yard			
	Dump area			
	Mine benches			

22.	Water Pollution Control with details of the treatment systems			
	Source	Quantity of wastewater discharge in KLD	Control measures (existing/proposed)	Treated wastewater discharged to(own land/outside land/surface water body or reused completely
	Mine drainage water			
	Strata water of UG mines			
	Surface run off from various areas			
	Benificiation plant			
	HEMM maintenance shop/work shop			
	Township/colony/other domestic sources			
23.	Plantation details			
	Area	Area (in Ha) covered under plantation (cumulative fig as on _____)	No of trees planted (cumulative fig as on _____)	
	(i) Top soil (II) OB (iii) Back filled area (iii) Non mineralized area (iv) Vacant area (v) Other area			
24.	Status of Environmental Clearance under the provision of EIA Notification			
	(a) If applied -	(i) Date of application - (ii) Quantity applied for - (iii) Present status -		
	(b) If approved -	(i) Date of clearance - (ii) Quantity approved - (iii) Increase of production from _____ to _____ TPA/ MTPA -		

- Accompaniments-**(i) Copy of lease deed/renewal executed.
(ii) Copy of latest approved mining plan & mine closure plan.
(iii) Copy of Environmental Clearance order.

Date-

Place-

SIGNATURE