

# MAHARASHTRA POLLUTION CONTROL BOARD

Gram : "PREPOLL"

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Shri Chhatrapati Shivaji Maharaj  
Municipal Market Bldg., 4th Floor,  
Mata Ramabai Ambedkar Road,  
Bombay - 400 001.

## CONSENT TO ESTABLISH

Consent No. BO/U.Bhima/4035/c-1811

Dated- 26-9-94

Consent to M/s. Sinar Mas Pulp & Paper (India) Ltd.,  
Village Paundhwadi & Bhadalwadi, Tal. Indapur, Dist.  
Pune, under Section 25 of the Water (Prevention &  
Control of Pollution) Act, 1974.

Consent is hereby granted to ESTABLISH the factory in  
the pollution prevention area of Upper Bhima River Basin,  
subject to the provisions of the Act and the Rules and orders  
that may be made thereunder and further subject to the  
following terms and conditions:-

1. The Consent is granted upto commissioning of the unit.
2. The Consent is valid for the manufacture of Paper, Coated Paper and Paper Boards -18,000 MT/Month by use of ready-made Pulp. Chemical pulping is disallowed. Colour shall not be used in the process.
3. The daily quantity of industrial effluent from the factory shall not exceed 22,500 m<sup>3</sup>.
4. The daily quantity of domestic effluent from the factory shall not exceed 190 m<sup>3</sup>.
5. Treatment, Disposal & Implementation Period :

i) Domestic effluent :- (a) Treatment :-It shall be treated in properly designed and well maintained septic tank followed by filters so as to bring the quality of treated effluent to the following standards :-

Total Suspended Solids Not to exceed 100 mg/l.  
B.O.D. 5 days 20°C Not to exceed 30 mg/l.

(b) Disposal :-The treated domestic effluent shall be disposed off alongwith industrial effluent after disinfection.

(c) Implementation period :-Necessary equipment to meet the requirements of pollution control legislation shall be installed before starting trial production. WRITTEN PERMISSION FOR STARTING TRIAL PRODUCTION SHALL BE OBTAINED FROM COMPETENT OFFICER OF THE BOARD.

ii) Industrial effluent :- (a) Treatment :-The applicant shall provide the treatment system to bring the final effluent to the following standards :-

pH	Between 7 to 8.5
Suspended Solids	Not to exceed 50 mg/l.
B.O.D. 5 days 20°C	Not to exceed 30 mg/l.
C.O.D.	Not to exceed 350 mg/l.
Total Organic Chloride (TOCL)	Not to exceed 2 Kg./Ton of Product.
T.D.S.	Not to exceed 2100 mg/l.
Oil & Grease	Not to exceed 10 mg/l.
Sulphides	Not to exceed 2 mg/l.
Bioassay test shall show	90% survival of fish in 96 hours.

(b) Disposal :- 1) The industry shall use 1000 m<sup>3</sup>/day of treated effluent conforming to above standards for developing green belt,

2) 500 m<sup>3</sup>/day of treated industrial effluent conforming to above standards shall be used for developing demonstration of plot, and

3) Remaining quantity of effluent conforming to above standards, to the extent of 21,000 m<sup>3</sup>/day shall be disposed off by laying the pipeline of 8-10 Kms. in natural nalla passing through village Virangudi, meeting river Nira after travelling the distance of 12 Kms. The discharge through nalla shall be at the downstream of drinking water sources if any of the nearby villagers. In no case, there shall be discharge into Bhima Basin which forms the part of Ujani Dam back waters.

(c) Implementation Period :- Necessary equipment to meet the requirement of pollution control legislation shall be installed before starting trial production WRITTEN PERMISSION FOR STARTING TRIAL PRODUCTION SHALL BE OBTAINED FROM COMPETENT OFFICER OF THE BOARD.

6. The industry shall use readymade pulp for manufacturing and shall not manufacture pulp for this purposes. The industry is not allowed to use chemical digestion process for pulping and thereby not allowed to generate Black liquor effluent in this area.
7. The industry shall not manufacture coloured papers and shall not use dyes in the process for making coloured paper, quoted paper or paper boards.
8. The industry shall lay a pipeline of 8-10 Kms. for disposal of treated effluent into natural nalla and this activity shall be the integral part of the project. The industry shall provide tertiary treatment to the waste waters to meet the desired level of disposal standards into the stream in case they are unable to meet the standards by putting secondary treatment process.
9. The industry shall restrict the water use per tone of paper manufacture to the extent of 37.5 m<sup>3</sup>/Ton of product and this water use shall be strictly adhered to.
10. The industry shall make maximum efforts to recycle treated waste water thereby reducing consumption of fresh water. The firm shall give time-bound programme in making these efforts and shall submit the Board the said time-bound programme within six months from the date of issue of this letter.
11. The factory authorities shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and Cess Amendment Act, 1992.

The industry falls in 11 category of industries as per The Water (Prevention & Control of Pollution) Cess Act, 1977 and Cess Amendment Act, 1992. The daily water consumption as per the application is

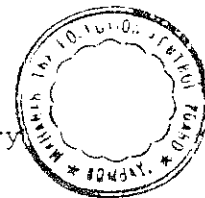
- |   |             |
|---|-------------|
| a) Domestic                             | - 20 CMD    |
| b) Industrial Processing                |             |
| i) generating bio-degradable wastes     | - 0         |
| ii) generating non-biodegradable wastes | ) 25000 CMD |
| c) Industrial Cooling                   |             |

The factory authorities shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the cess as specified under Section 3 of the said Act.

12. The factory authorities shall comply with the provisions of the Air (Prevention & Control of Pollution) Act, 1981 as stipulated in Annexure-II.
13. The factory authorities shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made thereunder from time to time including Hazardous Waste (Management & handling) Rules, 1989, and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
14. The factory authorities shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants. The quarterly returns of this consumption shall be submitted to Board under intimation to respective Regional and Sub-Regional Officer on 10th of January, April, July and October.
15. The applicant shall also comply with the General conditions of the Consent enclosed herewith as Annexure-I.
16. The application for Consent to Operate shall be submitted well before commissioning of the project. & shall obtain Environment Clearance from Ministry of Environment & Forests, Govt. of India, New Delhi.  
Dated this the 26<sup>th</sup> day of Sept. 1994.

For and on behalf of the  
Maharashtra Pollution Control Board

( D.R.Rasal )  
Member-Secretary



D.A.:

- 1) One proforma for progress report,
- 2) Annexure-I,
- 3) Annexure-II.

To

Dr. M.K. Raina,  
Managing Director,  
Sinar Mas Pulp Paper (India) Ltd.,  
S-525, Greater Kailash II,  
New Delhi 110048.

Copy submitted to :

1. The Member Secretary, Central Pollution Control Board, Delhi.
2. The Collector, Pune.

Copy f.w.cs.to :

1. The Dist. Health Officer, Z.P., Pune.
2. Jt. Director of Industries, Pune.
3. Dist. Inspector of Factories, Pune.
4. The Executive Engineer (O&M) Divn., MSEB, Baramati, Dist. Pune.
5. The Executive Engineer, MIDC Divn. Baramati, Dist. Pune.
6. Chief Accounts Officer, MPCB, Bombay.

Consent fee of Rs.20,000/- received vide D.D.No.698814 dated 27.7.94 drawn on Indian Bank.

Copy to : Regional Officer-Pune/Sub-Regional Officer-Pune.

## ANNEXURE 'I' General Conditions

1. **Penalty Clause :-** if the applicant fails to implement consent conditions prescribed above within the prescribed time limit, the applicant is liable for prosecution under Section 44/45 of the Water (prevention & Control of Pollution) Act, 1974 and shall on conviction be punished imprisonment and /or fine or both.
2. **Separate drainage system** shall be provided for collection of industrial and domestic wastes. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. This arrangement could be by way of 'V' notch suitably calibrated. No effluent shall be admitted in the pipes of sewers down stream of the terminal manholes. No liquid effluent shall find its way other than in designed and provided collection system. Measurement of flow shall be made by the Board at these, terminal manholes.
3. **Solid Waste :-** a) The solid waste arising in the factory premises, sweepings, etc. shall be disposed of carefully by incineration. Disposal by land filling or sale may be resorted only when the solid wastes are non-hazardous. The land filling should not give rise to leachets.
4. **Air Pollution :-** The factory authorities shall take adequate measures for control of air pollution so as not to cause nuisance to surrounding areas arising from bad smell, gaseous or particulate emissions.
5. The applicant shall plant minimum three varieties of trees such as Eucalyptus, Su-Babul etc. at the density of not less than 1000 trees per acre 33% of the available open land.
6. Neither storm water nor discharges from other premises shall be allowed to mix with the effluent from the factory.
7. A good house keeping shall be maintained both within the factory and in premises all pipes, valves and drains shall leakproof, floor washing shall be admitted into the effluent collection system only and shall not be allowed to find way in the open areas.
8. The applicant shall promptly comply with all the lawful orders and directions issued to him from time to time by Board or any other officer of the Board duly authorised in this behalf.
9. The applicant shall at his own cost get the samples of untreated and treated effluent collected and analysed every month by approved Laboratory and shall submit the report thereof to the Board with copy to the Regional Officer and Sub-Regional Officer, Maharashtra Pollution Control Board.
10. Quarterly progress report in the prescribed proforma shall be submitted to the Board with a copy to the Regional Officer & Sub-Regional Officer stating there-in the progress made in respect of execution of treatment and disposal of works stated under this consent. This reports shall be submitted to Board on 10th of January, April, July & October.
11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent without previous written permission of the Board.
12. The applicant shall provide facility of collection of samples to the Board staff at the terminal manholes.
13. The Board reserves the right to revoke, change or alter the terms and conditions of this consent by giving one months's notice to the applicant.
14. The applicant shall make an application for renewal of the consent at least 30 days before the date of expiry of the consent.
15. An Inspection Book shall be opened and made available to the Board officers during their visit to factory.

D. R. RASAL  
Member Secretary

N. B. Please quote always the reference number of this consent for future correspondence to this Board.

Conditions relating to Air Pollution Control

- 1) The industry shall restrict the fuel pattern and its consumption as under, No change in the same shall be made without prior permission from the Board.

Coal - 576 MT/day.

- 2) The daily quantity of emissions discharged through the following chimney/stacks shall not exceed the figures mentioned below :

Sr. No.	Description of chimney	3
		Rate of emissions m <sup>3</sup> /hr

1. Boilers -24 T/H (3 in No.)

- 2) a) The applicant shall install the equipments as under for the control of quality of emissions.

Sr. No.	Equipment
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- 1) The height of the chimney attached to fuel burning equipment shall not be less than 90 Mtrs.
- 2) Dust Control device shall be provided to coal fired boiler with sufficient capacity to limit the emissions.
- 3) A Dust collector should be provided to following units/  
process unit with sufficient capacity to limit emissions-  
(a) Silo, (b) Any other source of particulate matter.


- 2) b) The emission shall not contain constituents in excess of the tolerance limit as laid hereunder :

Sr. No.	Parameter	Limiting Standard
1.	Sulphur Dioxide	5760 Kg/day
2.	Total Particulate Matters from boiler.	150 mg/Nm <sup>3</sup>
3.	Total Particulate Matters from all other sources.	150 mg/Nm <sup>3</sup>

- 2) c) The industry shall take adequate measures for control of noise levels so as to maintain ambient air quality standard in respect of noise to less than ~~75~~/65/55 dB (A) during day time and ~~70~~/55/45 dB (A) during night time. Day time is reckoned in between 6 a.m. and 9 p.m. and night time is reckoned in between 9 p.m. and 6 a.m.

(2)

- 2) d) Implementation period : This shall be installed before starting trial production. WRITTEN PERMISSION FOR STARTING TRIAL PRODUCTION SHALL BE TAKEN FROM THE COMPETENT OFFICER OF THE BOARD.
- 3) The applicant shall at his own cost get the samples of emissions collected and analysed and noise levels measured from an approved laboratory every month for the parameters indicated above and shall submit in duplicate the report thereof to the Sub-Regional Officer/Regional Officer/Air Pollution Control Officer and Board's Head Office by the 10th of succeeding month.
- 4) The stack monitoring system employed by the applicant shall be open for inspection of this Board at any time.
- 5) There shall not be any fugitive emissions from the premises.
- 6) The applicant shall install at least one ambient air and micrometeorological monitoring station at a location indicated by State Board to be set up and operated by industry at its own cost.
- 7) Wherein the emission of any air pollutant into the atmosphere, in excess of the standards laid down by the Board occurs, or is apprehended to occur due to accident or other unforeseen act or event, the person incharge of the premises from where such emission occur or is apprehended to occur shall forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board under intimation to the concerned officers of Health Services, Directorate of Industrial Safety and Health, Fire Brigade, Police Station, Neighbourhood Public and shall take immediate action to bring down the emissions below the limits prescribed in the consent.

  
(D. R. Rasal)

Member Secretary.

Name of Industry :  
 Progress report for the month of  
 Date of issue of consent :

Item of work to be carried out as specified in	Target date of completion of the work as specified in the consent order	Date of commencement of the work	Progress achieved during the month	Total progress achieved during the month, under report	Whether the progress is according to schedule (yes or no)	Reason of the slow progress if any	Step being taken by the industry to expedite the execution of work	remarks
1	2	3	4	5	6	7	8	9

- A)  
 B)  
 C)  
 D)

NOTE :- Progress to be mentioned under column 4/5 shall indicate the following.

1. Preparation of plans and estimates and its approval by the management.
2. Inviting tenders for execution of work.
3. Fixing of agency for execution of work.
4. Procurement of important equipments for the work.
5. Actual progress of construction works in the terms of % of the total work.
6. Trial of the plant.

Signature \_\_\_\_\_  
 Incharge of the industry