

## **Existing EC**

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The company is waste paper based paper mill.

EC was not applicable to the units manufacturing paper from waste paper and manufacturing of paper from ready pulp without bleaching as per the EIA Notification 2006 (as amended from time to time), under Sr. no. 5(i). Hence, EC was not applicable to the existing operations. Copy of CC&A prior 2006 is attached as **Annexure-1(a)** and copy of CC&A prior 2014 is attached as **Annexure-1(b)**.

But as per the amendment vide **S.O.1599 (E), dated 25<sup>th</sup> June 2014** EC as made applicable to waste paper based paper manufacturing involving de-inking, bleaching and coloring.

The proposed expansion **involves de-inking** and hence, is covered under **Category-B**. Hence, Project Proponent has applied for the Environmental Clearance for the proposed expansion project.

Annexure - III



**GUJARAT POLLUTION CONTROL BOARD**

Paryavaran Bhavan  
Sector - 10 A, Gandhinagar - 382 010  
Phone : 3222756, 3222095, 3222096  
Gram: CLEAN PAPER, AID: (079) 3232156  
Website : www.gpcb.gov.in

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorisation under rule 3(e) & 5(5) of the Hazardous Waste (Management and Handling) Rules'1989 & as amended up to year 2003 framed under the Environmental (Protection) Act-1986.

And whereas Board has received consolidated consent application letter No.Nil dated 27/09/2003 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

**CONSENTS AND AUTHORISATION:**

Under the provisions /rules of the aforesaid environmental acts)

M/S.SHAH PULP & PAPER MILLS LIMITED  
" OT NO.97, SILVASSA ROAD,  
...D.C.ESTATE  
/API-396 195  
DIST.VALSAD

Consent Order No.: 1773 date of Issue: 23.02.2004

The consents shall be valid up to 24/10/2007 for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:

Sr. No.	Product	Quantity in MT/Month
1	Printing /Wristing /New Print Paper	1950 MT/Month
2	Co.generation Power Plant Steam Power	10 MT/hr
3	Captive Power Plant Power	0.5 MW 1.6 MW

**CONDITIONS UNDER THE WATER ACT:**

1 The quantity of trade effluent from the factory shall not exceed 1,25,000 lits/day.  
1.1 The maximum quantity of treated effluent shall be reused back into process & rest shall be discharged into GIDC underground drain after conforming to the required standards.

2 The quantity of Sewage effluent from the factory shall not exceed 8000 lits/day

**3. TRADE EFFLUENT:**



## GUJARAT POLLUTION CONTROL BOARD

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1. The effluent from the industrial unit shall conform to the CETP inlet norms mentioned in column No.1 below (in case of CETP member) or shall be discharged from CETP shall adhere to the prescribed standards for CETP.
2. In the event, if the effluent from industrial unit not routed through CETP, the applicant shall provide adequate effluent treatment system in order to achieve the quality of the treated effluent as per GPCB norms mentioned in column No.2.

PARAMETERS	CETP INLET NORMS	GPCB NORMS
PH	6.5 TO 8.5	6.5 TO 8.5
Temperature	40 <sup>0</sup> C	40 <sup>0</sup> C
Colour (pt.co.scale) in units.	*	100 units
Suspended Solids	300 mg/l	100 mg/l
Oil and Grease	10 mg/l	10 mg/l
Phenolic Compounds	1 mg/l	1 mg/l
Fluorides	2 mg/l	2 mg/l
Sulphides	2 mg/l	2 mg/l
BOD (5 days at 20 <sup>0</sup> C)	400 mg/l	30 mg/l
COD	1000 mg/l	250 mg/l
Chlorides	600 mg/l	600 mg/l
Sulphates	1000 mg/l	1000 mg/l
Total dissolved Solids	2100 mg/l	2100 mg/l

- All efforts shall be made to remove colour & unpleasant odour as far as practicable.
3. The final treated effluent conforming to the above standards shall be discharged into GIDC underground drainage system & shall ultimately be conveyed into tidal zone of river Damanganga
  4. Domestic effluent shall be disposed off through septic tank/soak pit system or it shall be treated alongwith industrial effluent and shall discharged into GIDC under ground drainage system.

### CONDITIONS UNDER THE AIR ACT:

The following shall be used as fuel in boiler Co-generation Power Plant & Captive Power Plant

Sr.No.	Fuel	Quantity/Day
	Coal	0.810 MT/Hr
	Coal/Lignite	1.250 MT/Hr
	LDO	0.375 KI/Hr

The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.



## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan

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Phone : 3222756, 3222095, 3222096

Gram: CLEANWATER, Fax: (079) 3232156

Website: [www.gpcb.gov.in](http://www.gpcb.gov.in)

- 4.2.1 The flue gas emission through stack attached to boiler Co-generation Power Plant shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control System	Parameter	Permissible Limit
1.	Boiler	30	Multi cyclone dust collector	Particulate matter SO <sub>2</sub> NO <sub>x</sub>	800 mg/NM <sup>3</sup> 100 ppm 50 ppm
2	Co-generation Power Plant	30	Multi cyclone dust collector	Particulate matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm
3	D.G.SETS (4 Nos)	11	----	Particulate matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm

- 4.2.2. There shall be no any process emission

- 4.2.3 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder.

PARAMETER	PERMISSIBLE LIMIT
Suspended Particulate matter	200 Microgram Per cubic meter
Oxides of Sulphur	80 Microgram Per cubic meter
Oxides of Nitrogen	80 Microgram Per cubic meter

- 4.3. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.
- 4.4. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.



## GUJARAT POLLUTION CONTROL BOARD

Paryavaran Bhavan

Sector - 10-A, Gandhinagar - 382 010

Phone : 3222756, 3222095, 3222096

Gram: CLEANWATER, Fax: (079) 3232156

Website : www.gpcb.gov.in

5 GENERAL CONDITIONS: -

- 5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
- 5.2 Applicant shall also comply with the general conditions given in annexure I

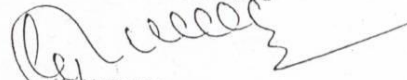
5 AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 3 (c) & 5 (5))

All terms and conditions mentioned in authorisation order No. 1887 dated 23/01/2003 issued vide letter No. HAZ/VSD-586/2988 dated 29/01/2003 shall remain unchanged

Note : In addition to all terms & conditions mentioned in above said authorisation order industry shall also comply with the conditions mentioned below :

1. Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No.657 of 1995 dated 14<sup>th</sup> October 2003
2. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant including waste water and air emissions and solid hazardous wastes generated within the factory premises.

For and on behalf of  
Gujarat Pollution Control Board

  
(G. I. TRIVEDI)  
Environmental Engineer

NO: PC/VSD/CCA-275/ 5-267

Issued to:

M/S. SHAH PULP & PAPER MILLS LIMITED

PLOT NO.97, SILVASSA ROAD,

G.I.D.C. ESTATE

VAPI-396 195

DIST. VALSAD

24 FEB 2004

**GUJARAT POLLUTION CONTROL BOARD**  
**PARYAVARAN BHAVAN**  
 Sector 10-A, Gandhinagar 382010

Phone : (079) 23226295  
 Fax : (079) 23232158  
 website : www.gpcb.gov.in

**By R.P.A.D.**

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 5(4) of the Hazardous Waste (Management, Handling & Transboundary Movement) Rules-2008, framed under the Environmental (Protection) Act-1986.

And whereas Board has received CC& A application dated **15/09/2012** for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

**CONSENTS AND AUTHORISATION:**  
 (Under the provisions /rules of the aforesaid environmental acts)

To,  
**M/s. SHAH PULP & PAPERS MILLS LTD,**  
 Plot No. 97,  
 GIDC Estate, Vapi-396 195,  
 Dist.Valsad.

1. **Consent Order No.: AWH-50741, Date of issue: 20/11/2012.**
2. The consents shall be valid up to **14/09/2017** for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/products:

Sr.No.	Product	Quantity
1.	Printing/Writing/New Print Paper	2750 MT/Month
2.	Co. Generation Power Plant	0.5 MW

**3 CONDITIONS UNDER THE WATER ACT:**

- 3.1 The quantity of trade effluent generation from the manufacturing processes & other ancillary operations shall not exceed **3435 KL/day**. Out of **3435 KL/Day**, **250 KL/Day** steam condensate shall be recycled into Boiler, **3050 KL/Day** shall be recycled & **135 KL/Day** shall be discharged to CETP, Vapi.
- 3.2 The quantity of Sewage effluent from the industry shall not exceed **8000 lits/day**.

**3.3 TRADE EFFLUENT**

- 3.3.1 The effluent from the industrial unit shall conform to the CETP inlet norms mentioned in column No.1 below (in case of CETP member). The final discharge from CETP shall adhere to the prescribed standards for CETP.

- 3.3.2 In the event, if the effluent from industrial unit not routed through CETP, the applicant shall provide adequate effluent treatment system in order to achieve the quality of the treated effluent as per GPCB norms mentioned in column No.3.

PARAMETERS	CETP INLET NORMS	GPCB NORMS
pH	6.5 TO 8.5	6.5 TO 8.5
Temperature	40° C	40° C
Color (pt.co.scale) in units	*	100 units
Suspended Solids	300 mg/l	100 mg/l
Oil and Grease	10 mg/l	10 mg/l
Phenolic Compounds	1 mg/l	1 mg/l
Cyanides	0.2 mg/l	0.2 mg/l
Fluorides	2 mg/l	2 mg/l
Sulphides	2 mg/l	2 mg/l

*Technical*

*Clean Gujarat Green Gujarat*

ISO - 2008 & ISO - 14001 - 2004 Certified Organisation

Ammonical Nitrogen	50 mg/l	50 mg/l
Arsenic	0.2 mg/l	0.2 mg/l
Total Chromium	2 mg/l	2 mg/l
Hexavalent Chromium	0.1 mg/l	0.1 mg/l
Copper	3 mg/l	3 mg/l
Lead	0.1 mg/l	0.1 mg/l
Mercury	0.01 mg/l	0.01 mg/l
Nickel	3 mg/l	3 mg/l
Zinc	5 mg/l	5 mg/l
Cadmium	2 mg/l	2 mg/l
Iron	3 mg/l	3 mg/l
BOD (5 days at 20°C)	400 mg/l	30 mg/l
COD	1000 mg/l	250 mg/l
Chlorides	600 mg/l	600 mg/l
Sulphates	1000 mg/l	1000 mg/l
Total dissolved Solids	2100 mg/l	2100 mg/l
Insecticides/Pesticides	Absent	Absent
Sodium absorption ratio	26	26
Sodium Percent	60	60
Bio-assay test	-----	90% Survival of fish after 96 hour in 100% effluent.

- All efforts shall be made to remove color & unpleasant odor as far as practicable.

3.3.3 The final treated effluent conforming to the above standards shall be discharged into GIDC underground drainage system & shall ultimately be conveyed into tidal zone of river Damanganga through CETP.

3.3.4 Domestic effluent shall be disposed off through septic tank/soak pit system or it shall be treated along with industrial effluent or it shall be treated separately to the following standards and shall discharge into GIDC underground drainage system.

**BOD (5 days at 20° C)**                      **Less than 20 mg/l**  
**Suspended solids**                        **less than 30 mg/l**  
**Residual Chlorine**                        **Minimum 0.5 mg/l**

**4 CONDITIONS UNDER THE AIR ACT:**

4.1 The following shall be used as fuel in boiler, Co-generation Power Plant & Captive Power Plant respectively.

Sr.No.	Fuel	Quantity
1.	Coal/Lignite	48 MT/Day

4.2 The applicant shall install & operate air pollution control system in order to achieve norms prescribed below:

4.3 The flue gas emission through stack shall conform to the following standards:

Stack no.	Stack attached to	Stack height in Meter	Air Pollution Control System	Parameter	Permissible Limit
1.	Boiler(13 TPH) with 0.5 MW Co-generation Power Plant	30	Multi Cyclone, Dust Collector E. S. P.	Particulate matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm

*From the*

*Trishu Shah*

4.4 There shall be no any process emission.

4.5 The concentration of the following substances in the ambient air within the premises of the industry and at a distance of 10 meters from the source (other than the stack / vent with height of more than 9 meters from the ground level) shall not exceed the following levels:

PARAMETER	PERMISSIBLE LIMIT
Oxides of Sulphar	080 Microgram Per cubic meter
Oxides of Nitrogen	080 Microgram Per cubic meter
RSPM	100 Microgram Per cubic meter

4.6 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

4.7 The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB (a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5 **GENERAL CONDITIONS:-**

5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.

5.2 Applicant shall also comply with the general conditions given in annexure I

6 **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (5 (4))**

6.1 Number of authorization: **AWH-50741, Date of issue: 20/11/2012.**

**M/s. SHAH PULP & PAPERS MILLS LTD** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **Plot No. 97, GIDC Estate, Vapi-396 195, Dist,Valsad.**

Sr. No	Waste	Quantity	Schedule-I Process No.	Facility
1	ETP Sludge	12 MT/Day	34.3	Collection, storage, transportation, disposal at TSDF-VWEMCL.
2	Used Oil	0.25 KL/Yr.	5.1	Collection, Storage, Transportation, Disposal by selling to registered reprocessors.
3	Discarded Container/Bags	100 Nos/Yr	33.3	Collection, Storage, Decontamination
4	Non-Recyclable Plastic Waste	7 MT/day	21.1	Collection, Storage, Transportation, Disposal by incineration at TSDF Site/ For co-processing at Cement Industries.

6.2 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes at TSDF developed by the Vapi Waste & Effluent Management Co. Ltd -Vapi.

6.3 The authorization shall be valid up to **14/09/2017.**

6.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

*John Shaw*

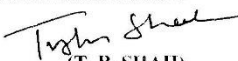
**6.5 TERMS AND CONDITIONS OF AUTHORISATION**

- a) The applicant shall comply with the provisions of the Environment (Protection) Act – 1986 and the rules made there under.
- b) The authorization shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
- c) The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
- d) Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
- e) It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- f) An application for the renewal of an authorization shall be made as laid down in rule 7

6.6 In addition to above terms and conditions Industry shall also comply following directives issued by the Supreme Court of India dated.14.10.2003.

- a) Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No.657 of 1995 dated 14<sup>th</sup> October 2003
- b) Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.

**For and on behalf of  
Gujarat Pollution Control Board**

  
**(T. B. SHAH)  
Environmental Engineer**

NO: GPCB/CCA-VSD-275/ID: 24366/ 131511

Issued to:

✓ M/s. SHAH PULP & PAPERS MILLS LTD,  
Plot No. 97,  
GIDC Estate, Vapi-396 195,  
Dist.Valsad.

dt 31/2/12