

**ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT ORDER OF M/S.
MYSORE PAPER MILLS LTD., PAPER TOWN, BHADRAVATHI, SHIVAMOGGA
DISTRICT.**

The consent is valid for the manufacture of:

Sl. No.	Products/activity	Maximum Capacity
1.	News Print	75,000 TPA
2.	Writing & Printing Paper (WPP)	37,000 TPA
3.	Sugar Cane crushing	2,500 TCD

The Consent is granted for the period from 01.07.2016 to 30.06.2021.

Consent fees : Rs. 15,00,000/- under both Water Act & Air Act.

RTGS No: SBMYR2016063002119686- Rs. 15,00,000/- dt: 29.06.2016.

Capital Investment : 517.4 crores as on 29.06.2016.

Ref: CPCB Direction under Sec 5 E(P) Act, 1986 letter No: B-23012/1/PCI-III/ dt: 17.06.2016.

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

I. Quantity of the water use

The total water consumption shall not exceed 44000 KLD (max) for industrial use and 8,000 KLD (max) for domestic use.

II. Treatment and disposal of trade and sewage effluent:

1. The daily quantity of effluent discharge shall not exceed the limits and shall not contain the constituents in excess of the tolerance limits laid down as indicated in the table below. The applicant shall monitor the quality of effluents for the parameters stipulated as per the frequency indicated.

Sl. No.	Description	Permitted Quantity of discharge	Place of discharge
1.	Domestic effluent	5000 KLD	The combined (trade, sugar plant and part of sewage) effluents from the industry and colony shall be treated in effluent treatment plant to the standards stipulated in Annexure-I . Domestic effluent shall be treated in the STP. Partly utilized for gardening/green belt and partly discharged to river.
2	Trade effluent	40,000 KLD	



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2. The applicant shall recycle the cooling tower water completely and shall not be discharged into river.
3. The domestic effluent from colony shall be treated in sewage treatment plant (STP) and shall be used for gardening and excess discharged to Bhadra River after confirming to standards stipulated in **Annexure-I**.
4. The applicant shall provide flow meters for measuring inflow & outflow of effluent treatment plant (ETP) and provide separate energy meter for ETP and record hourly readings in a log book for verification of inspecting officers.
5. The industry should provide alternate power supply to the ETP for its continuous operation of all the treatment units and related facilities.
6. The applicant shall display the treated effluent parameters, as per the latest analysis report of the treated trade effluent, at the ETP location.
7. The applicant shall ensure consistent effluent quality and also to avoid shock loads on river.
8. The applicant shall exercise necessary control measures and regulate the discharge of effluent quantity during lean flow period in Bhadra River, that may be required to ensure that the quality of river water, aquatic life and down stream users are not affected by any means due to discharge of treated effluent to the Bhadra River.
9. The applicant shall ensure that the dissolved oxygen level in the treated effluent is boosted up so as to maintain minimum D.O. of 4 mg/l. or 40% of the saturation limit which ever higher to maintain the aquatic life in the River. If the D.O. in the river falls below 4 mg/l. at the down stream of the effluent discharges point, industry shall regulate its effluent discharge.
10. In respect of Sugar industry, the applicant shall comply with MoEF notification No: GSR 35 (E) dt: 14.01.2016 in respect of parameters & standards for discharge of trade effluent, treated effluent, treated effluent management and waste water conservation & pollution control management and amendments made from time to time.
11. At least 10% of the treated effluent shall be used for green belt or for plantation. Colony sewage shall be treated separately and the treated effluent shall conform to standards in Annexure-I.
12. The applicant shall provide continuous Bio-monitoring unit with fish species predominant in Bhadra River. The treated effluent shall be made to pass through Bio monitoring unit. The activity of the fish be noted and reports furnished to the Board.
13. The applicant shall explore the possibility of using the treated combined effluent for irrigation, by acquiring required land or to persuade the neighbouring farmers to use the treated trade effluent duly keeping in mind the impact of underground water pollution.

III. Self Monitoring and Reporting by the industry

1. The applicant shall at his own cost get the treated effluent samples collected and analyze the same on a daily basis for the parameters stipulated in **Annexure-I** and report submitted to the Regional Office, once in a month along with the water used, waste water generated, treated, discharged, etc., in a compiled statement, with statistical analysis in a graphical format.
2. The applicant shall once in 3 months analyse the influent and effluent for mercury.



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3. The applicant shall conduct Bio-Assay test once in a month for evaluating toxicity of industrial effluent in accordance with IS 6582 – 1971. The test species selected being those which are predominant in Bhadra River. The report shall be furnished once in a month to the Regional Office.
4. The applicant shall appoint a qualified environmental engineer/ scientist for environment management in the factory and also establish an environmental cell with laboratory.
5. The applicant shall continue to maintain Bio-Monitoring unit at single point discharge with fish species predominant in the Bhadra River. Part of the treated effluent shall be made to pass through this unit. A separate log book shall be maintained by the industry in which the details of fish/ finger lings introduced daily/ weekly and the number of finger lings died and survived daily should be recorded and reports furnished to the Regional Office once in a month.
6. The applicant shall continue self monitoring system for the effluents.

B. AIR POLLUTION CONTROL:

I. Emissions:

1. The applicant shall utilize the coal having maximum 0.8% sulphur only.

II. Self Monitoring and Reporting:

1. The applicant shall at his own cost get the samples of emissions collected and get them analyzed from Board/MoEF empanelled laboratory once a month for the parameters indicated in **Annexure- II**.
2. The applicant shall carry out the ambient air quality monitoring and submit the report to the Regional Office of the Board. The AAQM shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring Standards (NAAQMS) stipulated in Environmental (Protection) Rules, 1986. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality Standards Notification once in a year.
3. The applicant shall provide port holes for sampling the emissions, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder.
4. The applicant shall operate the air pollution control equipment as specified in the **Annexure-II** continuously so as to ensure that the emission does not exceed the limits specified.
5. All efforts shall be made to control fugitive emissions.
6. (a) **The applicant monitor the treated effluent through on line continuous effluent quality monitoring system at the out let of ETP for the measurement of parameters flow, pH, COD, BOD, TSS, AOx and monitoring data shall be connected & up loaded to KSPCB and CPCB's servers**
(b) **Once in a month by 5th, the max, min & Avg values and also the number of time, the exigencies recorded shall be submitted to R.O**


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C. HAZARDOUS & OTHER WASTE (MANAGEMENT, HANDLING AND TRANSBOUNDARY) RULES, 2016.

The applicant shall comply with the Hazardous & Other Waste (Management, Handling and Transboundary) Rules, 2016 and subsequent amendments from time to time.

D. SOLID WASTE MANAGEMENT

1. The solid waste collected in the factory premises as sweepings, wastage packaging, empty containers, residue, sludge including those from air pollution control equipments shall be disposed off scientifically to the satisfaction of the Board so as not to cause fugitive emissions, dust problems or water pollution problems through leaching etc., of any kind.
2. The applicant shall maintain a log book for recording the details of generation, disposal of each type of solid waste and to be made available to the inspecting Officer of the Board.
3. In respect of installation of Rotary Lime kiln, the applicant shall furnish the compliance with respect to the Board order No: PCB/SEO-17Cat/144/HPI/2015-16/6271 dt: 20.01.2016.
4. Industry need to submit monthly report on the total quantity of lime sludge generated, details of land for which the lime sludge has been treated, soil data, ground water data quality and the crops grown with the interference of the result.
5. The solid waste generated from the industry shall be disposed as under;

Sl.NO	Sources	Quantity	Mode of disposal
1	ETP sludge (both primary sludge & secondary sludge)	200 TPD	Used for Agricultural purposes
2	Press mud from sugar factory	75 TPD (during season)	Disposed to farmers/ Agricultural purposes
3	Fly ash (including bottom ash)	450 TPD	Disposed to cement industries, Private enterprises & utilized for inhouses. (Please see Sl. No G in schedule)
4	Bagasse/Pith	500 TPD	Utilized as fuel for captive consumption

E. FLY ASH MANAGEMENT

1. Applicant shall utilize the fly ash as per Government of India Notification No.SO 763 (E), dated 14.9.1999 and No.SO 979 (E), dated 27.8.2003 and amendment from time to time.
2. The applicant shall prepare & submit comprehensive fly ash management plan and submit monthly compliance report to the Board as well as Regional Office, Shimoga.
3. The applicant shall maintain a log book for fly ash generation and disposal.

F. SPECIFIC CONDITIONS:

1. The applicant shall provide adequate number of sprinklers in coal handling area to suppress dust emission. Also all around coal handling area, 3 to 5 rows of trees shall be maintained.
2. The sludge shall be stored over an impervious concrete platform.


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3. The applicant shall comply with the directions issued by CPCB vide their letter No: F.No. B-23012/1/PCI-III/4026 dt: 17.06.2016
4. All the directions issued by the Hon'ble NGT in Appeal No. 94 of 2014 shall be complied.

G. GENERAL:

1. The applicant shall not change or alter either the quality or quantity or rate of emission or install/ replace or alter the air pollution control equipment, change in raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the prior permission of the Board.
2. The industry shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/ emissions and (d) install/replace/alter the water or air pollution control equipments without the prior approval of the Board.
3. The applicant shall not store any raw materials on naked ground.
4. Applicant shall maintain the Environmental Management System in conformity with ISO 14001:2004 standards.
5. The applicant shall comply with the guidelines under Corporate Responsibilities for Environment Protection (CREP) 2003 issued by Ministry of Environmental Forests and CPCB.
6. The applicant shall maintain register recording the ambient air quality, stack monitoring and analysis report of treated effluents. The register shall be open for inspection by the Board Officers at all time.
7. An inspection Book shall be opened and made available to the Board Officers during their visit to the factory.
8. Industry shall comply with all the consent conditions and furnish report within 30 days to the Regional Office.
9. The applicant shall display EC, Environmental Statement and Consent orders in the website of the industry and update regularly.



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ANNEXURE – I

STANDARDS FOR USING THE TREATED COMBINED EFFLUENT FOR DISCHARGE INTO BHADRA RIVER.

SL. No.	Parameters	Tolerance limits.
1.	Colour and Odour.	See Note.
2.	Suspended Solids mg/l.Max.	30
3.	pH value.	5.5 to 8.5
4.	Oil and Grease mg/l. Max.	10
5.	Bio-chemical Oxygen Demand, mg/l. (3 days at 27°C) max.	30
6	Total dissolved Solids (TDS), mg/l	2100

ANNEXURE-II

Chimney	Chimney attached to	Minimum chimney height to be provided above ground level /roof level (AGL/ARL)	Rate of emission Nm ³ /Hr.	Constituents to be controlled in the emission	Tolerance limits Mg/Nm ³	Air pollution control equipment to be installed, in addition to chimney height as per col.(3)
1	2	3	4	5	6	7
1.	Coal fired boiler 60 TPH	Common chimney of height 105 m AGL	447000	Particulate matter	150	ESP
	Coal fired boiler 60 TPH					ESP
	Coal fired boiler 60 TPH					ESP
	Multi-fuel Boiler 90 TPH					ESP
2.	Soda recovery Boiler	45 m AGL	140000	Particulate matter	150	ESP

Note: 1) The same shall be brought to the notice of the Board before recommission/operation
2) The unit shall plan for erecting new ESP for AFBC Boiler 2 & 3 as the ESPs for Boiler No. 2 & 3 are not functional and the same cannot be operated until retrofitted or renewed.



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Copy to Regional officer, Shimoga for information and ensure compliance to following directions issued by CPCB.

While issuing Consent to operate or renewing CTO to a plant, industry or process under the Water Act and Air Act & installation handling hazardous substance (s) beyond the prescribed threshold limits as listed under the PLI Act, 1991, the SPCB shall ensure compliance to the following from the occupier ;

1. Details on current PLI policy would be compulsorily sought (as a checklist);
2. Shall seek a copy of successive Public liability Insurance Policies (year wise) since undertaking the use, trade or sewage of listed hazardous chemicals as under the PLI Act, 1991.
3. Shall seek a copy of Form III of ERF scheme under the PLI Act, 1991.
4. The SPCBs shall seek a copy of on-site emergency plan.

