



Ref: UEPPCB/HO/Gen-337(II)/2015/ **3768-2221** Dehradun, March **13**, 2015
Speed Post

To,

As per list enclosed.
(1-36 Pulp and Paper Industries)

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Directions under Section-33(A) of the Water (Prevention & Control of Pollution) Act, 1974 and under section-31(A) of the Air (Prevention & Control of pollution) Act, 1981 - Regarding Implementation of "Charter For Water Recycling and Pollution Prevention in Pulp and Paper Industry".

WHEREAS, amongst others, under section 17 of the **Water (Prevention and Control of Pollution) Act, 1974** one of the functions of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells in the State and to secure the execution thereof; and

WHEREAS, amongst others, under Section 17 of the **Air (Prevention and Control of Pollution) Act, 1981**, one of the functions of the SPCBs/PCCs, constituted under the Air (Prevention & Control of Pollution) Act, 1981 is to plan a comprehensive programme for prevention, control or abatement of air pollution and to secure the execution thereof; and

WHEREAS, the Central Government has notified standards for discharge of environmental pollutants from various categories of industries and common effluent treatment plants (CEETPs), under the **Environment (Protection) Act, 1986** and Rules framed thereunder, and

WHEREAS, the SPCBs/PCCs can stipulate standards for discharge of environmental pollutants from various categories of industries and common effluent treatment plants (CETPs) more stringent than those notified by the Central Government, under the **Environment (Protection) Act, 1986** and Rules framed thereunder; and

WHEREAS, pulp & paper industries have been categorized under the 17 categories of highly polluting industries. The major environmental issues related to the pulp & Paper Industry include high volume of fresh water consumption and waste water discharge, adverse impact on receiving stream due to high pollution load, high colour in effluents, black liquor management in chemical pulping, and odorous emissions; and

WHEREAS, 'Charter for Corporate Responsibility for Environmental Protection (CREP)' was formulated in association with the industry associations in 2003, the last action point of which was scheduled to be implemented by 2008. Implementation of CREP has helped the Pulp & Paper industry in reduction in effluent generation, technology up gradation and improved environmental performance; and

WHEREAS, CPCB conducted techno-economic feasibility study for setting up of Common Effluent Treatment Plant (CETP) and Common Chemical Recovery Plant (CCRP) in identified cluster of pulp & paper industries located in the Ganga catchment area of Uttarakhand and Uttar Pradesh (hereinafter referred to as 'the feasibility study') during 2010-11; and

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WHEREAS, Charter for water recycling and pollution prevention in pulp & paper industry in Ganga River basin' was formulated as a part of the feasibility study, which prescribes action points for implementation of the recommendation of the feasibility study; and

WHEREAS, the feasibility study and the charter were discussed and finalized with pulp & paper industry representatives, experts from Central Pulp & Paper Research Institute (CPPRI), Saharanpur, Indian Institute of Technology (IIT) - Roorkee, IIT- Delhi, IIT- Kanpur and officials from Uttarakhand Environment Protection & Pollution Control Board (UEPPCB) and Uttar Pradesh Pollution Control Board (UPPCB); and

WHEREAS, the 'Charter for water recycling and pollution prevention in pulp & paper industry in Ganga River basin' was implemented during 2012-13 by Pulp & Paper industries operating in the five identified clusters viz; Kashipur and Roorkee in Uttarakhand and Muzaffarnagar (Bhopa Road/ Jansath Road) Meerut (Village Saini, Meerut-Mawana Road) and Moradabad in Uttar Pradesh; and

WHEREAS, considering the successful implementation of the CREP(2003) and the 'Charter for the Pulp & Paper industries operating in Ganges River Basin' (2012), it has been considered to move forward and formulate charter which would be applicable for the entire Pulp & Paper industries operating in the Country, to improve their environmental performance; and

WHEREAS, CPCB formulated the 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' in consultation with experts from Pulp & Paper industries, Central Pulp & paper Research institute (CPPRI), Saharnapur and Department of Paper Technology, IIT Roorkee in workshops/meetings held on July 23, 2014, August 5, 2014 August 6, 2014 and September 23, 2014. A detailed Implementation & Monitoring Programme (DIMP) of the charter has also been formulated; and

WHEREAS, a Workshop was held on 29th September, 2014 in New Delhi with representatives/experts from SPCBS/ PCCs, National Mission for Clean Ganga (NMCG), CPPRI, Department of Industrial Policy & Programme (DIPP), IIT-Roorkee and Pulp & Paper industries and their Associations to discuss and finalize the Charter and programme for implementation of the charter by the Pulp & paper industries operating in the country; and

WHEREAS, the meeting with consensus resolved for implementation of the Charter by all the Pulp & Paper industries operating in the Country, as per the implementation programme; and

WHEREAS, the 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries' (herein after referred to as 'the Charter') specific to Pulp & paper industries operating in the nine Ganga River Basin States is formulated, which envisages upgradation of the status of Pulp & Paper industries in terms of process technology, practices and environmental performance, besides substantial reduction of fresh water consumption, wastewater generation and compliance with the prescribed environmental norms, to achieve desired level of environmental protection, zero discharge to recipient river streams through utilization of treated effluent, meeting the irrigation water quality norms, for irrigation and so meet objectives of the National Mission for Clean Ganga. However programmes for implementation of advanced technological and managerial tools to achieve further higher technological and compliance status may further be required to meet the national/state/ specific objectives; and

WHEREAS, the Central Pollution Control Board has issued directions under Section-18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and under section-18(1)(b) of the Air (Prevention & Control of pollution) Act, 1981 - Regarding Implementation of "Charter For Water Recycling and Pollution Prevention in Pulp and Paper Industry'.

NOW THEREFORE, in view of the above referred observations and objectives and in exercise of the powers conferred under Section-33(A) of the **Water (Prevention and Control of Pollution) Act, 1974** and Section-31(A) of the **Air (Prevention and Control of Pollution) Act, 1981**, you are hereby directed to take appropriate actions for compliance of following points in a time bound manner :

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- a. Pulp & Paper industrial Units operating in the State of Uttarakhand shall plan and secure the execution of the activities/action points/ desired technologies as prescribed under the 'Charter for Water Recycling and Pollution Prevention in Pulp & Paper industries (specific to Ganga River Basin States)' (placed as Annexure-I), and comply with the fresh water consumption, wastewater generation and treated effluent quality norms within the time limits as prescribed under the Charter place at Annexure-I.
- b. Pulp & Paper industrial units operating in the State shall implement following activities/ action points and adhere to the time schedule/frequency as prescribed below.

S.No.	Activities/ Action Points	Time Schedule/ frequency
i.	Commissioning of continuous online effluent/emission monitoring system	March 31, 2015
ii.	Self Assessment: Inventory of existing process technologies & practices, identification of upgradation requirement and preparation of action plan for upgradation of process technology with supporting document & PERT chart; submission to SPCB/CPCB	April 2015
iii.	Self Assessment: Preparation of report of existing water consumption- section wise, reuse/recycle practices; Preparation of work plan to achieve fresh water requirement targets, submission to SPCB/CPCB	April 2015
iv.	Self Assessment: Preparation of ETP adequacy assessment report; and proposed augmentation and up-gradation plan, design/drawing, along with monthly PERT Chart, submission to SPCB/CPCB	April 2015
v.	Installation of sealed flow meter/running hours meter on bore wells and inlet pipe line of different process section i.e. pulpo mill, paper machine, boiler etc.	April 2015
vi.	colour coding of pipe lines carrying recycled process water and fresh process water.	May 2015
vii.	Maintenance of log book to record daily water drawl from bore well and water consumption unit wise after installation of meter and reporting to SPCB.	Monthly
viii.	Self Monitoring & Reporting: ETP Performance monitoring by individual Mills and maintenance of Log Book.	Monthly
ix.	Submission of monthly progress reports to SPCBs	Monthly
x.	Verification of progress and reporting by third parties to SPCBs/CPCB	Quarterly
xi.	Upgradation/modification and augmentation of ETP upto tertiary treatment level.	March 31, 2016
xii.	Compliance with the treated effluent discharge norms as prescribed under the Charter.	March 31, 2016
xiii.	Compliance with the short term targets of fresh water consumption and effluent generation norms through implementation of desired technologies prescribed under the charter.	March 31, 2016
xiv.	Compliance with the long terms targets of fresh water consumption and effluent generation norms through implementation of desired technologies prescribed under the Charter.	March 31, 2017
xv.	Setting up of projects/ infrastructure for utilisation of treated effluent, meeting with irrigation water quality norms, for irrigation within the command area as per the irrigation management plan, to achieve zero effluent discharge to rive streams.	March 31, 2017

Black Liquor Management:

- Pulp & paper industrial units shall ensure that no black liquor is discharged from the Unit's premises with immediate effect as already directed by CPCB vide direction no. B-23012/1/PCI-III, dated 27/11/2014. In case of any discharge of black liquor from the Unit, the 'Consent to operate' issued to the unit shall stand withdrawn.

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2. All Pulp & Paper industrial Units which do not have either operational Chemical Recovery Plants (CRPs) (individual) or membership of operational common CRPs, are directed to dismantle and remove chemical pulping facilities, namely - digesters, pulp washing systems, etc. from their premises with immediate effect as already directed by CPCB vide directions no. B-23012/1/PCI-III, dated 27-11-2014. **In case any unit fails to dismantle their chemical pulping facilities, UEPPCB will dismantle the same and recover five times the cost of such dismantling.**
3. Agro based Pulp & Paper Mills shall properly operate CRPs (individual/common), maintain records and report to their respective SPCB as per the "Protocol for operation of CRP" as prescribed under the Charter. In case of irregular/non operation of CRPs, the 'consent to Operate' issued to the Unit shall stand withdrawn.

Monitoring & Surveillance

4. Pulp & Paper industrial units operating in the State shall submit a time bound action plan as an affidavit to achieve the targets as mentioned at para 1(a) and 1(b) (i to xv) of this direction towards their commitment for implementation of the 'Charter' and to comply with the prescribed norms as prescribed in the **Annexure-I**, so as to accomplish the following objectives.

Monitoring parameters	Reduction during first year (by March 2016) (%)	Cumulative reduction during second year (by March 2017) (%)
Black Liquor Discharge	100%	-
Reduction in fresh water consumption	50%-70%	60%-75%
Reduction in effluent generation	50%-70%	60-75%
Reduction in pollution loads in terms of TSS, BOD, COD	40-70%	40-70%
Reduction in colour wastewater discharge	80-90%	80-90%

In case any unit fails to submit their affidavit by March 31, 2015, the 'Consent to Operate' issued to the unit shall stand withdrawn.

The action taken report shall be submitted to the UEPPCB within 10 days from the date of receipt to these directions along with a time bound action plan for compliance of the direction. Industry shall also acknowledge the receipt of these directions to UEPPCB by return fax. (Fax: 0135-2718092).

This issues with the approval of the Competent Authority of the Board.

Encl.: Annexure-I.

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(Vinod Singhal)
Member Secretary

Copy to:-

1. **Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Sahadara, Delhi** for kind information please.
2. **Chairman, Uttarakhand Environment Protection & Pollution Control Board, Dehradun** for kind information please.
3. **Environment Officer / Scientific Officer, UEPPCB, Head Office, Dehradun** for kind information please. Copy of the CPCB's direction is also enclosed for kind perusal.
4. **Regional Officer (I/c), Uttarakhand Environment Protection & Pollution Control Board, Haldwani / Roorkee / Kashipur** for kind information and strict compliance of above directions. Respective Regional Officer shall ensure that without operational CRP or membership of operational Common CRPs, pulp and paper Unit shall dismantle and remove chemical pulping facilities, namely - digesters, pulp washing systems etc. from the industry premises with immediate effect and compliance status shall be forwarded to this office on priority basis. Copy of the CPCB's direction is also enclosed for kind perusal.
5. Consent File of the Unit.

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Member Secretary

List of Pulp and Paper Industry (March 2015)

1	Managing Director/Director M/S Bahl Paper Mills Limited, 5 th Km. Stone, Aliganj Road, Kashipur, Distt. U.S.Nagar Uttarakhand	15	Managing Director/Director M/S Multiwal Duplex Pvt. Ltd., Vill. Gangapur Gosain, Kundeshwari Road, Kashipur, Distt. US Nagar (Uttarakhand)
2	Managing Director/Director M/S B.R. Papers Pvt. Ltd., Vill-Lalpur, P.O.Kunda, Kashipur, Distt. U.S.Nagar, (Uttarakhand)	16	Managing Director/Director M/S Naini Papers Limited, Station Road, Kashipur - 244714, Distt. US Nagar (Uttarakhand)
3	Managing Director/Director M/S Banwari Paper Mills Limited, Ramnagar Road, Kashipur-244713 (Uttarakhand)	17	Managing Director/Director M/S Naini Tissues Limited, Station Road, Kashipur - 244713 Distt. US Nagar (Uttarakhand)
4	Managing Director/Director M/S Century Pulp & Papers, (Waste Paper Unit) Ghanshyamdham, P.O.-Lalkuan, Distt: Nainital (Uttarakhand)	18	Managing Director/Director M/S PSB Papers Ltd., (Paper Div.) Beria Road, Bazpur – 262401 Distt. US Nagar (Uttarakhand)
5	Managing Director/Director M/S Century Pulp & Papers, (Board Unit) Ghanshyamdham, P.O.-Lalkuan, Distt: Nainital (Uttarakhand)	19	Managing Director/Director M/S P.N. Pulp and Paper Industry, Vill. Bhanga, Sitarganj Road, Jaspur, Distt. US Nagar (Uttarakhand)
6	Managing Director/Director M/S Century Pulp & Papers, (Agro Waste Unit) Ghanshyamdham, P.O.-Lalkuan, Distt: Nainital (Uttarakhand)	20	Managing Director/Director M/S P.N. Papers Mills Pvt. Ltd., (Duplex Board Unit) Vill. Bhanga, Sitarganj Road, Jaspur, Distt. US Nagar (Uttarakhand)
7	Managing Director/Director M/S Cheema Papers Limited, 9 th Stone, Bazpur Road, Kashipur, Distt. U.S.Nagar (Uttarakhand)	21	Managing Director/Director M/S Sahota Papers Ltd., 3 rd Km. Stone, Kashipur Road, Jaspur, Distt. US Nagar (Uttarakhand)
8	Managing Director/Director M/S Dev Rishi Papers Pvt. Ltd., Haldua Chowk, Kashipur Road, Jaspur, Distt. U.S. Nagar (Uttarakhand)	22	Managing Director/Director M/S Vishwanath Paper & Board Ltd., Vill Haldua Shahu, Tehsil – Jaspur, Distt. US Nagar (Uttarakhand)
9	Managing Director/Director M/S Fibremarx Papers Limited, 7 th Stone, Haldua Sahu, Kashipur Road, Jaspur-244712 Distt. US Nagar (Uttarakhand)	23	Managing Director/Director M/S Shree Shyam Pulp & Paper Board Mills Ltd. 5 th Km. Stone, Moradabad Road, Kashipur – 244713 Distt. US Nagar (Uttarakhand)
10	Managing Director/Director M/S Goraya Straw Board Mills(P)Limited, Bazpur Road, Kashipur -244713 Distt. US Nagar (Uttarakhand)	24	Managing Director/Director M/S Shree Shyam Pulp & Paper Board Mills Ltd. (Waste Paper Unit) 5 th Km. Stone, Moradabad Road, Kashipur – 244713 Distt. US Nagar (Uttarakhand)
11	Managing Director/Director M/S Katyayini Paper Mills (P) Limited, Kuddiyawala, Jaspur - Kashipur Road, Kashipur, Distt. U.S.Nagar (Uttarakhand)	25	Managing Director/Director M/S Rajlakhmi Paper & Board Ltd., Formerly M/S Uday Paper Mills, Vill. P.O. – Vikrampur, Near Rana Farm, Bazpur, Distt. US Nagar (Uttarakhand)
12	Managing Director/Director M/S Khatima Fibres Limited, UPSIDC Industrial Area, Khatima-260308 Distt. US Nagar (Uttarakhand)	26	Managing Director/Director M/S Sidharth Paper Ltd. (Unit -2) (Waste Paper based Unit) Moradabad Road, Kashipur, Distt. US Nagar
13	Managing Director/Director M/S Vishwakarma Paper & Boards Ltd.,4.5 Km., Ramnagar Road, Kashipur- 244713 Distt. US Nagar (Uttarakhand)	27	Managing Director/Director M/S Sidheshwari Paper Udhog Ltd., 7 th Km. Stone, Moradabad Road, Kashipur – 244713 Distt. US Nagar (Uttarakhand)
14	Managing Director/Director M/S Multiwal Pulp & Boards Mills (P) Ltd., 9th Km. Stone, Bazpur Road, Kashipur -244713 Distt. US Nagar (Uttarakhand)	28	Managing Director/Director M/S Sidharth Papers Ltd., 7 th Km. Stone, Moradabad Road, Kashipur – 244713 Distt. US Nagar (Uttarakhand)

