

WCP.TECHNICAL

From: <pb.rastogi@nic.in>
To: <kichandak@westcoastpaper.com>
Cc: <bsmundra@westcoastpaper.com>
Sent: Thursday, July 19, 2007 6:55 PM
Subject: Subject : Expansion-cum-Modernization of Paper Unit (1,78, 500 TPA to 3,20,000 TPA) and Captive Power Plant (30 MW) at Dandeli, Haliyal, Uttar Kannada, Karnataka by M/s The West Coast Paper Mills Ltd.

No. J-11011/408/2006-IA.II (I)

Government of India
Ministry Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : pb.rastogi@nic.in

Talefax : 011-24367668

Dated 19th July, 2007

To,

The Executive Director
M/s The West Coast Papers Mills Ltd.
P. B. No. 5, Bangur Nagar
Dandeli, Uttar Kannada
Karnataka

E-mail : kichandak@westcoastpaper.com / bsmundra@westcoastpaper.com

Fax No. : 08284-231249, 080-22231838

Subject : Expansion-cum-Modernization of Paper Unit (1,78,500 TPA to 3,20,000 TPA) and Captive Power Plant (30 MW) at Dandeli, Haliyal, Uttar Kannada, Karnataka by M/s The West Coast Paper Mills Ltd.

Sir,

This has reference to your letter no. 22:PD&P:18:1101:27046 dated 13th November, 2006 alongwith Application, Questionnaire and EIA/EMP report as per EIA Notification, 1994 and subsequent communications dated 16th December, 2006, 16th January, 2007, 24th February, 2007, 17th March, 2007, 19th March, 2007, 26th March, 2007 and 28th May, 2007 on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that proposal is for the expansion-cum-modernization of Paper Unit (1,78,500 TPA to 3,20,000 TPA) and Captive Power Plant (30 MW) at Bangur Nagar, Dandeli, Haliyal, Uttar Kannada, Karnataka. The total area available is 155 ha and no additional land will be required for the expansion project. Dandeli reserve forest is located at 0.5 km (E) and Dandeli Wildlife Sanctuary at 9 km (E).

3.0 New cooking plant will be based on State-of-the-art technology and will install modified Batch Cooking process, New Brown Stock washing, Oxygen de-lignification and knots separation and screening plant and new bleach plant. The new cooking plant will meet the pulp requirements of the proposed new fibre line. Obsolete bleaching sequence (C/D-EP-H-D) technology will be replaced by installing new Oxygen de-lignification combined with elemental chlorine free bleaching sequence (D_O-E_{OP}-D₁) and will bring down the pollution load. Thus, use of elemental chlorine process in bleaching will be completely eliminated.

4.0 ESP will be provided to the boilers to control SPM emissions below 150 mg/Nm³. Low NO_x burners will be installed to the boilers. Dust suppression system will be provided to coal yard. Odour will be controlled by installing odour collection system and subsequently incinerated in Rotary kiln. Total water requirement from Kali river will be 1,00,000 m³/d and prior 'permission' from the Government of Karnataka is obtained for 85,000 m³/day and have applied for remaining 15,000 m³/day. No ground water will be extracted. The wastewater will be treated in ETP and discharged to Halmaddi Nala leading to river kali. Due to installation of advanced cooking system and ECF bleaching, colour in wastewater will be substantially reduced. Boiler ash will be given to cement /bricks manufacturing units. Lime grits will be disposed off in low-lying areas. Chip dust will be fired in boiler waste pulp from Waste Water Treatment Plant (WWTP) will be sold to board / egg tray manufacturers.

5.0 Public hearing meeting was held on 20th February, 2007. 'Consent for Establishment' for the existing plant has been accorded by the Karnataka State Pollution Control Board (KSPCB) vide letter no. CFE-CELL-/WCPML/NE-934/2005-06/24 dated 9th May 2005. Total cost of the project is Rs. 1,100.00 Crores.

6.0 The Ministry of Environment and Forests hereby accords environmental clearance to the proposed of the above project under the provisions of EIA Notification dated 27th January, 1994 as amended subsequently subject to strict compliance of the following specific and general conditions.

A. SPECIFIC CONDITIONS :

- i. The gaseous emissions (SPM, SO₂, NO_x and H₂S) from various process units shall conform to the standards prescribed from time to time. The KSPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry, its size and location. At no time, the emission level shall go beyond the prescribed standards. In the event of failure of any pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.
- ii. Three on-line monitoring stations for ambient air near the boundary of the plant shall be set up alongwith another on-line stack monitoring system for recovery boiler for particulate matter, SO₂, NO_x and H₂S and the on-line data shall be submitted to the CPCB and KSPCB.
- iii. The company shall phase out Elemental Chlorine from pulp bleaching process. Obsolete bleaching sequence (C/D-EP-H-D) technology shall be replaced by new Oxygen de-lignification combined with elemental chlorine free bleaching sequence (D_O-E_{OP}-D_I) to bring down the pollution load.
- iv. ESP shall be provided to the new boilers viz. coal fired boilers, chemical recovery boiler and lime mud re-burning kiln and SPM emissions shall be maintained below 150 mg/Nm³. Low NO_x burners shall be installed to the boilers. Dust suppression system shall be provided to coal yard.
- v. Fugitive emissions shall be controlled by providing dust collectors and water spraying system at material transfer points. Odour shall be controlled by installing odour collection system and subsequently incinerating in Rotary kiln. Monitoring of H₂S and mercaptans shall be carried out once in a month in the work environment.
- vi. Total fresh water requirement from River Kali shall not exceed 1,00,000 m³/d and prior

'permission' from the Government of Karnataka for the remaining 15,000 m³/day shall be obtained.

Effort shall be made to reduce water consumption by recycle and reuse. No ground water shall be extracted. The wastewater from the process shall not exceed 85,885 m³/d. The wastewater shall be segregated into pulp mill and paper machine stream and treated independently in the effluent treatment plant (ETP) before discharge to Halmaddi Nala leading to river kali.

- vii. The company shall make continued efforts in reducing the volume of effluent discharge into the river through recycling / reuse techniques and reducing the pollution load by adopting advanced wastewater treatment technologies.
- viii. The performance of the Effluent Treatment Plant shall be improved and efforts shall be made to bring down the color, total suspended solids in the final treated effluent by adopting processes like activated Carbon filter, use of better Flocculating and decolorizing agents etc. The quality of the treated effluent shall conform to the prescribed standards and used for irrigation.
- ix. Effort shall be made to reduce colour in wastewater substantially after installation of advanced cooking system and ECF bleaching. The use of Ferric/Ferrous chloride shall be optimized to further reduce the colour in the treated effluent.
- x. AOx levels shall not exceed 1.0 kg/ton of paper production and water quality shall be regularly monitored at the discharge point and in the river. The company also shall have their own instrument for the measurement of AOx. TOC levels in the treated effluent shall also be measured once in a month.
- xi. Solid waste generated in the form of boiler ash shall be provided to cement / bricks manufacturing units. Lime grits shall be disposed off in low-lying areas. Chip dust shall be used as fuel in the existing boiler. Waste pulp from ETP shall be given to cardboard / egg tray manufacturers.
- xii. Efforts shall be made to bring down the noise level in the Paper mill plant.
- xiii. As per the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) issued by the CPCB shall be followed.

- xiv. Green belt shall be raised in at least 48 ha. (30%) out of total 155 ha to mitigate the effects of fugitive emissions all around the plant in as per the CPCB guidelines and in consultation with local DFO.
- xv. The company shall undertake rainwater harvesting measures to recharge the ground water.
- xvi. Prior permission from the State Forest Department as the proposed expansion of the paper unit is located at 0.5 km of the Dandeli Reserve Forest.
- xvii. Prior approval of the National Board for Wildlife shall be obtained since the proposed expansion of the paper unit is located within 2.0 km radius of the Dandeli Wildlife Sanctuary.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Karnataka State Pollution Control Board (KSPCB) and the State Government.
- ii. No further expansion or modernization in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. Proper house keeping and cleanliness must be maintained within and outside the plant.
- iv. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

- v. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, specially for those engaged in handling hazardous substances. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee should be maintained separately.
- vi. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- vii. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bangalore/ KSPCB /CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
- viii. Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. shall be ensured for construction workers during the construction phase so as to avoid felling of trees and pollution of water and the surroundings.
- ix. The project proponent shall have a scheme for social upliftment in the surrounding villages with reference to contribution in road construction, education, establishment of health centers, sanitation facilities, drinking water supply, community awareness and employment to local people whenever and wherever possible both for technical and non-technical jobs.
- x. A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of Senior Executive.
- xi. As proposed in EIA/EMP, Rs. 241.75 Lakhs & Rs. 150.00 Lakhs earmarked towards the capital cost and recurring cost per annum for environmental pollution control measures respectively shall be used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and an implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry's Regional Office at Bangalore. The funds so provided shall not be diverted for any other purposes.
- xii. Six monthly status report on the project vis-à-vis implementation of environmental measures shall be submitted to this Ministry's Regional Office at Bangalore / CPCB / KSPCB.

xiii. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Karnataka State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office.

xiv. The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

7.0 The Ministry or any competent authority may suitable any further condition(s) on receiving reports from the project authorities. The above condition shall be monitored by the Regional Office located at Bangalore.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(Dr. P. B. Rastogi)

Additional Director

Copy to :

1. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.
2. The Chairman, Tamil Nadu Pollution Control Board, 100, Anna Salai, Guindy, Chennai - 600 032, Tamil Nadu.
3. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wings, 7th Main Road, IInd Block, Koramangala, Bangalore- 560 034, Karnataka.
4. The Secretary (Environment), Govt. of Tamil Nadu, Fort. St. George, Chennai- 560 560, Tamil Nadu.
5. Joint Secretary (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Dr. P. B. Rastogi)

Additional Director

MDEF



सत्यमेव जयते

भारत सरकार
पर्यावरण एवं वन मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

क्षेत्रीय कार्यालय (दक्षिण वलय)

Regional Office (Southern Zone)
Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road,
2nd Block, Koramangala, Bangalore - 560 034.

No.:

तार : पर्यावरण, बंगलूर

Telegram : PARYAVARAN
BANGALORE

दूरभाष :

Telephone : 080-25635906

Tele Fax : 080-25537184

No. EP/12.1/478/KAR/4534
Dated : 20th May, 2009.

To,

The Executive Director,
M/s The West Coast Paper Mills Ltd.
P.B.No. 5, Bangur Nagar,
Dandeli - 581 325.
Uttara Kannada District.

R. 10-06-09

MDEF

Subject: Expansion -cum- modernization of paper unit (1,78,500 to 3,20,000 TPA) and Captive power plant (30 MW) at Dandeli, Haliyal, Uttara Kannada by M/s The West Coast Paper Mills Ltd -Environmental clearance -reg.

Reference : MoEF.CI.Lt.No. J-11011/408/2006-IA,II(I) dated. 19.7.2007.

Sir,

With reference to the above cited subject and reference. You are requested to send six monthly reports on 1st June (for the period October to March) and 1st December (For the period April to September) regularly in hard and soft copies, on the compliance status of various conditions stipulated in the said clearance letter (pointwise compliance with supporting documents). The soft copy may be sent through e-mail at the address - ndavesh2007@hotmail.com.

Sd/- R. A. Singh
G.L.

to Co-ordinator with
As P/ contact
to send the
return - twinning
within 7 days.
Chandap
10.06.09

(Dr. A.B. Harapanahalli)
Director (S)

P. K. Mundra
K. L. Chaudhary
25.05.10

F. No. J-11011/408/2006-IA.II (I)
Government of India
Ministry Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011-24367668
Dated 12th May, 2010

To, ✓
The Executive Director
M/s The West Coast Papers Mills Ltd.
P. B. No. 5, Bangur Nagar
Dandeli, Uttar Kannada, Karnataka

E-mail : klchandak@westcoastpaper.com / bsmundra@westcoastpaper.com
Fax No. : 08284-231249, 080-22231838

CORRIGENDUM

Subject : Expansion-cum-Modernization of Paper Unit (1,78,500 TPA to 3,20,000 TPA) and Captive Power Plant (30 MW) at Dandeli, Haliyal, Uttar Kannada, Karnataka by M/s The West Coast Paper Mills Ltd.

Ref : 1. Ministry's even no. letter dated 19th July, 2007.
2. Your letter nos. ZD:KSPCB:ED-MoEF dated 19th January, 2010 and 19th February, 2010.

Attention is invited to Ministry's even no. letter dated 19th July, 2007 and your letter no. ZD:KSPCB:ED-MoEF dated 19th January, 2010 and 19th February, 2010 on the above subject requesting for change in address and correction in annual production capacity. Accordingly, following may be incorporated :

Para 6.0, A. Specific Conditions, S.N. VIII :

For : The performance of the Effluent Treatment Plant shall be improved and efforts shall be made to bring down the color, total suspended solids in the final treated effluent by adopting processes like activated Carbon filter, use of better Flocculating and decolorizing agents etc. The quality of the treated effluent shall conform to the prescribed standards **and used for irrigation.**

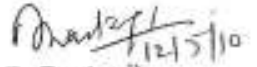
Read : The performance of the Effluent Treatment Plant shall be improved and efforts shall be made to bring down the color, total suspended solids in the final treated effluent by adopting processes like activated Carbon filter, use of better Flocculating and decolorizing agents etc. The quality of the treated effluent shall conform to the standards **prescribed for discharge to Halmanddi Nallah leading to Kall River after obtaining 'Consent to Operate' under Air and Water Act.**

2. All other conditions and paras shall remain same.
3. This letter shall be kept attached with the original clearance letter.
4. This issues with the approval of Competent Authority.



(Dr. P.B. Rastogi)
Director

Copy to : The Chairman, Karnataka State Pollution Control Board, 6, 7, 8 & 9th Floor, (Public Utility Building), Subhas Chandra Bose Building, M.G. Road, Bangalore - 560001, Karnataka.



(Dr. P.B. Rastogi)
Director