

F. No. J-11011/408/2006-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aligarj,
New Delhi - 110003
E-mail: sharath.kr@gov.in
Tel: 011-24695319

Dated: 30th March, 2017

To

M/s West Coast Paper Mills Ltd.
Dandeli Village, Haiyal Taluk,
Uttara Kannada District,
Karnataka State - 581325
e-mail: bhrathi@westcoastpaper.com

Subject: Proposed development plan (MDP) comprising of augmentation of pulp mill and existing paper machines, installation of new tissue paper machines and installation of 35 MW steam turbines with 135 TPH boiler at M/s West Coast Paper Mills Ltd., Dandeli Village, Haiyal Taluk, Uttara Kannada District, Karnataka State. - Prescribing of Terms of Reference regarding.

Sir,

This has reference to your online application vide proposal No. IA/KA/IND/62475/2017 dated 13.02.2017 along with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. As per EIA Notification 2006, the proposed project fall under Schedule in Serial No. 5(i) Pulp & Paper industry (excluding manufacturing of paper from waste), is categorized as Category 'A' of the Schedule of EIA Notification, 2006 and appraised at the Central level.

2.0 M/s West Coast Paper Mills Limited (WCPM) has manufacturing facilities with current paper production capacity of 320000 TPA at Dandeli in Uttar Kannada District of Karnataka state. The existing facility is in an area of 375.73 acres on the banks of River Kali. Environmental Clearance for the existing plant was accorded vide Lr. No. J-11011/408/2006-IA.II (I) dated on 19th July, 2007 and it was reported that the Consent to Operate was issued by Karnataka State Pollution Control Board from time to time.

3.0 Now it is proposed the Mill Development Plan (MDP) comprises of installation of two new tissue paper machines with aggregate capacity of 72,000 TPA; modernisation/augmentation of few existing paper machines to enhance the existing installed capacity from 320,000 TPA to 378,000 TPA; augmentation of existing pulp mill from 725 TPD to 785 TPD; installation of additional 135 TPH boiler; and installation of new 35 MW steam turbines. Details of the Existing and Post MDP Capacities of the Facility as given below:

V.C.P. MILLS LTD., DANDELI NO. 2263 10 APR 2017 ED ✓ copy to Smt. B.H. Rathi DEPT- 19/10
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Description	Unit	Existing	Post MDP	Incremental	Remarks
Paper Machines					
Paper/Board Production PM #1 to # 6	TPA	320,000	378,000	58,000	Modernization /Upgradation
Tissue Machines	TPA	--	72,000	72,000	New
Total Paper/board Production	TPA	320,000	450,000	130,000	
Pulp Plant	BD TPD	725	785	60	Upgradation
Recovery plant	TPD of black liquor solids	1600	1600	--	No change
Lime kiln	TPD of lime	365	365	--	No change
Re-causticising plant	TPD of AA	350	350		No change
Power Boilers					
Power Boilers	TPH of steam	330 (FBC#1 standby)	405 (FBC#1 retired and FBC#2 standby)	135	Existing FBC #1 – 60 tph will be retired and FBC#2 – 65 tph will be kept as standby. Addition of one more 135 tph boiler.
Turbo Generators	MW of power	74.8 (1x5+1x5.3+1x14.5+1x15.5+1x34.5)	109.8 (1x5 (Standby) +1x5.3 (Standby) 1x14.5 partial running+1 x15.5 standby+1 x34.5+1x35)	35	Addition of one 35 MW TG
ClO ₂ plant	TPD	15	15	--	No change
Water Treatment Plant	m ³ /day	1,00,000	1,00,000	--	No change
Waste Water Treatment	m ³ /day	85,885	85,885	--	No change

4.0. No additional land is required to be acquired for the proposed expansion and will be taken up in the existing plant premises. No rehabilitation and resettlement is involved.

5.0 It was informed that, there will be reduction in specific water consumption by adopting various conservation measures and recycling within the process. The mill has water drawl permission of 1,00,000 m³/day. Present water consumption is fresh water consumption for the plant to a level of 73,000 m³/day. The treated waste water discharged into the Halmaddi Nallah leading to River Kali after treatment in confirmation to the norms

prescribed by CPCB and KSPCB. It is proposed to install electrostatic precipitator and online emission monitoring systems on the proposed 135 TPH flue gas line to meet the emission norms. Water consumption and wastewater generation quantities will be maintained within the existing consented levels. Hence no additional water allocation is needed. Since the overall wastewater quantity will be maintained within the consented and design ETP capacity.

6.0 Total project cost is Rs. 500 Crore, of this budget, about Rs. 37 Crores is allocated towards Environmental Control, Protection and Monitoring. It was reported that the project will provide scope for indirect employment of about 500 people during construction stage and about 175 people during operation in the areas of production and maintenance and indirect employment of about 400 people in material handling, transport and auxiliary units,

7.0. It was reported that the project site is located at about 2 km from the Eco sensitive zone boundary of Dandeli-Anshi Tiger Reserve & Hornbill Conservation Reserve boundary. It was also reported that no archaeologically important places and defence installation within 7 km radius. The Kali river is located at 0.5 Km in south.

8.0 The committee noted that the project site is located at about 2 km from the Eco sensitive zone boundary of Dandeli-Anshi Tiger Reserve & Hornbill Conservation Reserve boundary, falls in Westernghat.

9.0. The proposal was considered by the Expert Appraisal Committee (Industry-I) during its 16th meeting held on 6th – 7th March 2017 for prescribing ToRs for undertaking detailed EIA/EMP study. The Committee recommended to issue the ToR and prescribed following specific TORs, in addition to the standard TOR, for undertaking detailed EIA-EMP study in addition to the generic ToR enclosed at Annexure I read with additional ToRs at Annexure-2:

- 8X
- i. The Public Hearing for the project should be conducted by Karnataka State Pollution Control Board
 - ii. The issues raised during public hearing and commitment of the project proponent on the same along with time bound action plan to implement the commitment and financial allocation thereto should be clearly provided.
 - iii. The project proponent should carry out social impact assessment of the project as per the office memorandum No. J-11013/25/2014-IA.I dated 11.08.2014 issued by the Ministry regarding guidelines on Environment Sustainability and CSR related issues. The social impact assessment study so carried out should form part of EIA and EMP report.
 - iv. The existing expansion is in the vicinity of Dandeli -Anshi Tiger Reserve for which ESZ Notification is yet to be published. Therefore, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon. Wildlife Conservation Plan duly authenticated and agreed to by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any, existing in the study area should also be submitted.
 - v. A copy of recommendation of the Standing Committee of NBWL, if any, for existing plant shall be submitted. The PP should make an application for seeking

recommendation of Standing Committee of the National Board for Wildlife for expansion.

- vi. NoC shall be obtained from the concerned authorities if the project is located within the 10 Km of any archaeologically important places and defence installation.
- vii. The detailed study on the discharge of effluent into Kali River shall be conducted with suitable methodology considering the upstream (at 0.5 km) and downstream (at 0.5 km) from discharge point of effluent, mixing depth of the river, BOD/COD and other chemical loads etc. The dilution of the effluent shall be quantified using hydrodynamic modelling study for lean season flow of the river.

10.0 The undersigned is directed to inform that the Ministry of Environment, Forest and Climate Change (MoEF&CC) after accepting the recommendation of the EAC (Industry-I), hereby decided to accord ToRs for the above project.

11.0 It is requested that the draft EIA Report may be prepared in accordance with the above mentioned specific ToRs and enclosed generic ToRs and additional ToRs and thereafter further necessary action including conduct of public consultation may be taken for obtaining Environment Clearance in accordance with the procedure prescribed under the EIA Notification, 2006 as amended.

12.0 The ToRs are valid for a period of three years from today i.e.30.03.2017 and will expire on 29.03.2020. However, this period could be further extended by a maximum period of one year provided an application is made by the project proponent at least three months before the expiry of the validity period, together with updated Form-I, based on proper justification.


(Sharath Kumar Pallerla)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Karnataka.
2. The Additional Principal Chief Conservator of Forests (C) Ministry of Environment Forest and Climate Change Regional Office (SZ) Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore - 560034. Email: roszt[dot]bng-mef[at]nic[dot]in.


(Sharath Kumar Pallerla)
Scientist 'F'

GENERIC TERMS OF REFERENCE (TOR) IN RESPECT OF INDUSTRY SECTOR

1. Executive Summary
2. Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
3. Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - viii. The project proponent shall furnish the requisite documents from the competent authority in support of drawl of ground water and surface water and supply of electricity.
 - ix. Process description along with major equipments and machineries, process flow sheet (Quantative) from raw material to products to be provided
 - x. Hazard identification and details of proposed safety systems.
 - xi. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
4. Site Details
 - i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.

- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Co-ordinates (lat-long) of all four corners of the site.
- iv. Google map-Earth downloaded of the project site.
- v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy

5. **Forest and wildlife related issues (if applicable):**

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (*in case of projects involving forest land more than 40 ha*).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6. **Environmental Status**

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

- ii. AAQ data (except monsoon) at 8 locations for PM₁₀, PM_{2.5}, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQOM Notification of Nov. 2009 along with – min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7. **Impact Assessment and Environment Management Plan**

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling – in case, if the effluent is proposed to be discharged in to the local drain, then Water Quality Modelling study should be conducted for the drain water taking into consideration the upstream and downstream quality of water of the drain.
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control

- vii. Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8. Occupational health

- i. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
- iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
- iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

9. Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.

- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
11. Enterprise Social Commitment (ESC)
 - i. Adequate funds (Atleast 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
13. *A tabular chart with index for point wise compliance of above TORs.
14. The TORs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings (wherever stipulated).

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. Authenticated English translation of all material in Regional languages shall be provided.
- iv. The letter/application for environmental clearance shall quote the MOEF file No. and also attach a copy of the letter.
- v. The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
- vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- vii. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide O.M. No. J-11013/41/2006-LA.II (I) dated 4th August, 2009, which are available on the website of this Ministry shall also be followed.
- viii. The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

- ix. ToRs' prescribed by the Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarised in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.

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ADDITIONAL TORs FOR PULP AND PAPER INDUSTRY

1. A note on pulp washing system capable of handling wood pulp shall be included.
2. Manufacturing process details for the existing and proposed plant shall be included. Chapter on Pulping & Bleaching shall include: no black liquor spillage in the area of pulp mill; no use of elemental chlorine for bleaching in mill; installation of hypo preparation plant; no use of potcher washing and use of counter current or horizontal belt washers. Chapter on Chemical Recovery shall include: no spillage of foam in chemical recovery plant, no discharge of foul condensate generated from MEE directly to ETP; control of suspended particulate matter emissions from the stack of fluidized bed recovery boiler and ESP in lime kiln
3. Studies shall be conducted and a chapter shall be included to show that Soda pulping process can be employed for *Eucalyptus/Casuarina* to produce low kappa (bleachable) grade of pulp.
4. Commitment that only elemental Chlorine-free technology will be used for the manufacture of paper and existing plant without chemical recovery plant will be closed within 2 years of issue of environment clearance.
5. A commitment that no extra chlorine base bleaching chemicals (more than being used now) will be employed and AOx will remain within limits as per CREP for used based mills. Plan for reduction of water consumption.

Executive Summary

Executive summary of the report in about 8-10 pages incorporating the following:

- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi. Capital cost of the project, estimated time of completion
- vii. Site selected for the project – Nature of land – Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, with in 10km other industries, forest, eco-sensitive zones, accessibility, (note – in case of industrial estate this information may not be necessary)
- viii. Baseline environmental data – air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
- ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- x. Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi. Emergency preparedness plan in case of natural or in plant emergencies
- xii. Issues raised during public hearing (if applicable) and response given
- xiii. CSR plan with proposed expenditure.
- xiv. Occupational Health Measures
- xv. Post project monitoring plan

To

M/s West Coast Paper Mills Ltd.,
Village Dandeli, Taluk Haiyal,
District Uttara Kannada, Karnataka

Subject: Proposed development plan (MDP) comprising of augmentation of pulp mill and existing paper machines, installation of new tissue paper machines and installation of 35 MW steam turbines with 135 TPH boiler at M/s West Coast Paper Mills Ltd., located at Dandeli Village, Haiyal Taluk, Uttara Kannada District, Karnataka State - Amendment in ToR for the proposed Mill Development Plan (MDP) comprising of augmentation of existing pulp and chemical recovery unit and paper/board machine, installation of new multi-layer coated board machine and installation of 35 MW steam turbine with 135 TPH boiler regarding.

Sir,

This has reference to your online application vide proposal no. IA/KA/IND/62475/2017 for amendment in ToR for the proposed Mill Development Plan (MDP) comprising of augmentation of existing pulp and chemical recovery unit and paper/board machine, installation of new multi-layer coated board machine and installation of 35 MW steam turbine with 135 TPH boiler

2.0 M/s West Coast Paper Mills Limited obtained Terms of Reference (ToR) vide File no. J-11011/408/2016-IA-II (I), dated, 30th March 2017. Proposed Mill Development Plan (MDP) included Augmentation of Pulp Mill; Augmentation of Existing Paper Machines; Installation of two (2) New Tissue Machines; Installation of 35 MW Steam Turbines with 135 TPH Boiler.

3.0 As per earlier proposal, MDP was planned with installation of two (2) new Tissue Machines. However, with sudden surge in the imported pulp prices during the last one year, Tissue manufacture is not economically viable. Due to change in market scenario and economic and environment advantages, revised project configuration has been considered. Hence WCPM is planning to revise the scope of MDP with installation of one (1) with Multi-layer Coated Board Machine in place of two (2) Tissue Machines. In brief the revisions in the project are:

W.C.P. MILLS LTD.,
DANDELI
NO. 469
120 OCT 2018
SR. VP (P.D&P)
COPYED
DEPT:-

S.No	Description	Post Project	
		Original Proposal	Revised Proposal
1	Up gradation of existing paper/board machines	3,78,000 TPA	3,45,000 TPA
2	New paper/board machine	Two (2) Tissue Machines of capacity 72,000 TPA	One (1) Board Machine of capacity 1,05,000 TPA
	Total	450,000 TPA	450,000 TPA
3	Chemical Pulp Mill and recovery	785 TPD	844 TPD
4	De-Inking Plant (DIP)	-	200 TPD

Note:

- 1) Total paper production capacity will not change; however, product mix will be changed by installing one board machine instead of two tissue machines
- 2) Increase in pulp production capacity to reduce the usage of costly imported purchased pulp.

4.0 The proposal was considered in the 35th meeting of Expert Appraisal Committee (Industry-I) held during 17th-18th September, 2018. After detailed deliberations, the Committee recommended the project proposal for prescribing ToRs along with following specific ToRs for undertaking detailed EIA and EMP study in addition to the generic ToR enclosed at **Annexure I read with additional ToRs at Annexure-2:**

- i. Detailed Road traffic study for inside and outside the plant shall be conducted and furnished in the EIA/EMP report.
- ii. Scheme for skill development as per the programmes of Skill Development Council of India to improve the employability of the locals in the proposed project.
- iii. Public Hearing to be conducted by the concerned State Pollution Control Board.
- iv. The issues raised during public hearing and commitment of the project proponent on the same along with time bound action plan to implement the commitment and financial allocation thereto should be clearly provided.
- v. The project proponent should carry out social impact assessment of the project and submit the Corporate Environment Responsibility as per the Ministry's Office Memorandum vide F.No. 22-65/2017-IA.III dated 1/05/2018.
- vi. Certificate compliance of earlier EC from the Regional officer of the MoEF&CC shall be submitted along with EIA/EMP.
- vii. Scheme for disposal of hazardous waste generated from de-inking plant shall be incorporated.


- viii. Possibility for reducing water consumption by RO and MEE shall be explored and shall be presented in the EIA Report with cost benefit analysis.

5.0 The undersigned is directed to inform that the Ministry of Environment, Forest and Climate Change (MoEF&CC) after accepting the recommendation of the EAC (Industry-I), hereby decided to amend the ToRs issued letter vide File No. J-11011/408/2016-IA-II (I), dated, 30th March 2017 with above-said specific ToRs, in addition to the standard ToRs and Sector Specific ToRs as enclosed at Annexure I read with additional ToRs at Annexure-2 with the aforesaid letter for carrying out detailed EIA/EMP for the above project.

6.0 It is requested that the draft EIA Report may be prepared in accordance with the above mentioned amendment and specific ToRs and enclosed generic ToRs and additional ToRs and thereafter further necessary action including conduct of public consultation may be taken for obtaining Environment Clearance in accordance with the procedure prescribed under the EIA Notification, 2006 as amended.

7.0 All other conditions mentioned in the letter for prescribing ToRs vide File No. J-11011/408/2016-IA-II (I), dated, 30th March 2017 shall remain the same.

This issues with the approval of Competent Authority.


(Sharath Kumar Pallerla)
Scientist 'F' / Director

Copy to:-

1. **The Secretary**, Department of Environment, Government of Karnataka, Secretariat Bangalore.
2. **The Additional Principal Chief Conservator of Forests(C)**, Ministry of Environment, Forest and Climate Change, Regional Office (SZ), KendriyaSadana, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore - 560034.
3. **The Chairman**, Karnataka State Pollution Control Board "Parisara Bhavan", #49, 4th & 5th Floor, Church Street, Bangalore-560001,
4. **The Member Secretary**, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
5. **The District Collector**, Uttara Kannada District, State of Karnataka.
6. Guard File / Record file / Monitoring file.
7. MOEF&CC Website.


(Sharath Kumar Pallerla)
Scientist 'F' / Director

सूचना
का अधिकार

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