

F. No. J-11011/1142/2007-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
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Dated: 17th October, 2016

✓ To

M/s Orient Paper and Industries Limited
(formerly M/s Orient Paper Mills)
Amlai, P.O Amlai Paper Mills,
District Shadhol, Madhya Pradesh-484117.

Subject: Enhancement of Tissue Paper Production from 25,000 TPA to 55,000 TPA by installation of additional 30,000 TPA Tissue machine without increasing permitted Paper Production of 1,00,000 TPA by M/s Orient Paper and Industries Limited (formerly M/s Orient Paper Mills), located at Amlai, P.O. Amlai Paper Mills District Shadhol of Madhya Pradesh. – Environmental Clearance regarding.

Sir,

This has reference to your online application No. IA/MP/IND/49845/2016 dated 17th Feb, 2016 along with copies of EIA/EMP report and subsequent letter No. OPA/Gen/01 dated 30th April, 2016 and dated 20th June, 2016 seeking environmental clearance under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S.No. 5(i) in 'Pulp & paper industry' under Category 'A' of the Schedule of EIA Notification 2006.

2.0 M/s Orient Paper and Industries Limited [Formerly Orient Paper Mills (OPM)] has installed machinery capacity of 85,000 TPA of paper at Amlai, Shahdol District, Madhya Pradesh. The existing facility was accorded Environmental Clearance *vide* letter No F.No.J-11011/1142/2007-IA-II(I) dated 19th March, 2008 for modernisation, balancing and expansion of paper mill (85,000 TPA to 100,000 TPA) at Amlai, P.O. Amlai Paper Mills, District Shahdol, Madhya Pradesh. Subsequently the environmental clearance was amended *vide* letter No. J-11011/1142/2007-IA.II dated 2nd December, 2010 based on the modernization for environmental performance of the mill.

3.0 The project proponent has now proposed addition of new tissue paper making machine with the capacity of 90TPD, which is an expansion of the facility. The proposed tissue plant will be installed in the existing paper mill having a total land of 1479.16 acres. Therefore no additional land is required. Following table presents the existing and the proposed units.

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Item	Permitted levels as per the consent to operate/ Environmental clearance	Existing Facilities	Proposed Facilities	Remarks
Products				
Paper (writing, printing & color) (TPA)	1,00,000	60,000	45,000	The existing writing/printing paper machine will be de-rated from the existing capacity of 60,000 TPA to 45,000 TPA.
Tissue Paper (TPA)		25,000	55,000	Proposed to install 90TPD (30,000TPA) tissue paper machine
Total Production	1,00,000	85,000	1,00,000	The permitted production level of 1,00,000 TPA will be achieved after modification/modernization.

The details regarding raw material required for the project is presented in the following table:

Item	Permitted levels as per the consent to operate/ Environmental clearance	Existing Facilities	Proposed Facilities	Remarks
Raw materials				
Total Wood (TPA)	2,30,000	1,90,000	1,60,000	Wood consumption will be reduced since the existing writing/printing paper machine will be de-rated and pilot plant will be dismantled.
In house pulp (TPA)	80,000	75,000	62,000	In house Pulp generation will be reduced since the existing writing/printing paper machine will be de-rated and pilot plant will be dismantled.
Imported pulp (TPA)	Not Applicable	Not Applicable	32,000	Imported pulp will be used for manufacturing additional 90 TPD (30,000 TPA) tissue paper in the proposed Tissue Paper Machine

4.0 It is estimated that 1700 m³/day of water would be required for the manufacture of additional Tissue Paper in the facility after augmentation. The required additional quantity of water will be met from the existing source. However the existing water consumption will be reduced due to de-rating the writing/printing paper machine and dismantling the pilot plant. Hence no additional fresh water will be required to be drawn and the total water drawl will not increase from the current level of 29,000 m³/day (out of which 5000 m³/day is supplied to nearby villagers as CSR activity) as against the permitted and consented level of 36,000 m³/day. Therefore there is no additional fresh water requirement. The additional power requirement of 4MW will be sourced from the existing 55MW captive power plant. The existing co-generation plant and recovery boiler has an installed steam generation capacity of 490 TPH. Hence the additional steam of 18TPH will be sourced from the existing boilers.

5.0 About 1400 m³/day of non-colored and low BOD wastewater will be generated from the proposed tissue machine operations and supporting utilities. However the wastewater generation will be reduced due to de-rating the existing writing/printing paper machine from 60,000 TPA to 45,000 TPA and dismantling the pilot plant. Hence the net wastewater flow rate on existing ETP remains same after implementing the proposed project. The treated wastewater will be utilized for plantation and greenbelt in and around the plant premises. Therefore wastewater generation will be reduced. The project proponent has also submitted the compliance status of the environmental clearance granted to the existing project.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry - I) during its 3rd meeting of the held on 28th-29th January, 2016, 5th meeting held on 30th - 31st March, 2016 and 8th meeting held on 27th - 28th June, 2016 and recommended the project for Environmental Clearance under clause 7(ii) of EIA Notification dated 14th September, 2006.

7.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant environmental clearance to the above mentioned enhancement of tissue paper production from 25,000 TPA to 55,000 TPA by installation of additional 30,000 TPA tissue machine without increasing permitted Paper Production of 1,00,000 TPA project of M/s Orient Paper and Industries Limited under clause 7(ii) of EIA Notification, 2006, as amended, subject to stipulation of the following additional, specific and general conditions:

A. SPECIFIC CONDITION:

- i. The proponent has to comply with all the specific and general conditions of Environmental Clearance letter No F.No.J-11011/1142/2007-IAII(I) dated 19th March, 2008, 18th August, 2008 and 2nd December, 2010.
- ii. The project proponent should install 24x7 air and water monitoring devices to monitor air emission and effluent discharge and submit report to Ministry and its Regional Office.
- iii. The project proponent shall not discharge black liquor outside the plant premises and the same shall be incinerated in the recovery boiler to generate power and the ash so generated should be sent for chemical recovery.

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- iv. The project authority shall install multi cyclones, wet scrubbers to the boilers to achieve the particulate emission below 50 mg/Nm³. The emissions from chemical recovery section shall be controlled through primary and secondary venturi scrubbers.
- v. The industry shall ensure the compliance of the standards for discharge of the treated effluent from the unit as stipulated under the EPA rules or SPCB whichever is more stringent.
- vi. The company shall submit the comprehensive water management plan along with monitoring plan for the ground water quality and the level, within three months from date of issue of this letter.
- vii. The project authority shall dispose of hazardous waste as per the provision of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016.
- viii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

- i. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhopal and the SPCB/CPCB once in six months.
- ii. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- iii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- iv. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- v. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the


Regional Office of the MOEFCC at Bhopal. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

- vi. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhopal / CPCB / SPCB shall monitor the stipulated conditions.
- vii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Bhopal by e-mail.
- viii. 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 SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEFCC) at <http://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 should be forwarded to the Regional office at Bhopal.

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 shall 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, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. Satish C. Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Madhya Pradesh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110032.
3. The Chairman, Madhya Pradesh Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 462 016 Madhya Pradesh.

4. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016.
5. Guard File / Record File/Monitoring file.

(Dr. Satish C. Garkoti)
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