

Regarding Previous ToR

This is reference to the Proposal Name “Expansion of Viscose Staple Fibre (51,100 TPA to 87,600 TPA) and Captive Power Plant (10 MW to 20 MW) at Kumarapatnam, Randennur, Haveri, Karnataka by M/s. Grasim Industries Ltd. vide proposal number IA/KA/IND/18972/1910. The ToR letter for this proposal is not available with us.

However, the Environment Clearance Letter has been granted for the aforesaid proposal on 8th November, 2007 vide letter no. J-11011/371/2006-IA II(I).

File. No. J-11011/371/2006- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Original
for
having amendment
for Zn use.
Date: 30.12.13

Annexure-1

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

E-mail : tchand2003@yahoo.co.uk
Telefax : 011: 2436 0108
Dated 30th December, 2013

To,
The Executive President
M/s Grasim Industries Ltd.
Grasilence Division,
Kumarapatnam-581123, Haveri,
Karnataka.

E-mail : grasimharihar@adityabirla.com; Fax No.: 08373-242875.

Subject: Expansion of Viscose Staple Fibre (VSF) Capacity from 51,100 to 87600 TPA and CPP from 10 MW to 20 MW at Grasilence Division, Kumarapatnam, Karnataka by M/s Grasim Industries Ltd. - regarding amendment of specific condition in the Environment Clearance.

Ref. : (i) Ministry's letter no. J-11011/371/2006-IA II (I) dated 8th November, 2007.
(ii) Your letter no. nil dated 12th February, 2013.

Sir,

Kindly refer to your letters dated 12th February, 2013 and 6th June, 2013, wherein you have requested for amendment in environmental clearance for using zinc or alum in Viscose Staple Fibre (VSF) process as a retardant for regeneration of fibre in the same spin bath solution.

2.0 The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 11th meeting held during 26th-27th August, 2013. The Committee recommended the proposal for amendment in environmental clearance for uses of Zinc or Alum in the process.

3.0 The Ministry accepts the recommendation of the Expert Appraisal Committee (Industry) for amendment in the existing environmental clearance subject to compliance of following additional specific conditions:

- (i) Zinc bearing effluent shall be segregated from the industrial effluent and treated in ETP. Treated effluent shall conform to the standards prescribed for the effluent discharge. Necessary permission may be obtained from the KSPCB.
- (ii) Treated effluent shall be passed through guard pond. Online continuous monitoring system viz. pH meter, TOC analyzer and flow meter as well as monitoring facility for relevant pollutants (i.e. Zinc) shall be installed to monitor the treated water quality.
- (iii) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

Contd.....2/-

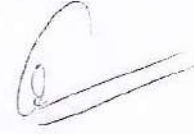
(iv) As proposed, Zinc bearing sludge shall be sent to the Cement plant.

4.0 All other conditions will remain unchanged.

5.0 You are requested to keep this letter with the Environmental Clearance accorded vide letter No. J-11011/371/2006-IA II (I) dated 8th November, 2007.

6.0 In future, in case of change in the scope of the project, the company shall obtain fresh environmental clearance.

7.0 This issues with the prior approval of the Competent Authority.



(Dr. (Ms.) T. Chandni)
Director

Copy to :-

1. The Secretary, Department of Environment & Ecology, Govt. of Karnataka. Room No. 708, Gate 2, Multi Storied Building, Dr. AmbedkarVeedhi, Bangalore - 560 001 secvenv-fee@karnataka.gov.in
2. The Chief Conservator of Forests, Regional Office (Southern Zone, Bangalore)KendriyaSadana, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034.
3. The Chairman, Central Pollution Control Board PariveshBhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Karnataka State Pollution Control Board, #49, ParisaraBhavana, Church Street, Bangalore-01 (Karnataka).
5. Monitoring Cell, Ministry of Environment and Forests, ParyavaranBhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

(Dr. (Ms.) T. Chandni)
Director

F. No. J-11011/371/2006- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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

E-mail : pb.rastogi@nic.in
Telefax : 011: 2436 7668
Dated 8th November, 2007

To, ✓
Grasim Industries Ltd.
Grasilence Division
Kumarapatnam - 581123, Haveri
Karnataka

E-mail : grsmhari@sancharnet.in ;
Fax No. : 08373 – 242875/ 242465

Subject : Expansion of Viscose Staple Fibre (51,100 TPA to 87,600 TPA) and Captive Power Plant (10 MW to 20 MW) at Kumarapatnam, Randennur, Haveri, Karnataka by M/s Grasim Industries Limited. - Environmental clearance reg.

Sir,

This has reference to your letter no. GRD/Sr.EP/EIA/2006 dated 18th October, 2006 wherein you have submitted filled 'Form-1', 'Pre-feasibility Report' and EIA/EMP as per EIA Notification dated 14th September, 2006 and subsequent clarifications / additional information furnished vide your letters dated 14th August, 2007, 23rd August, 2007 and 22nd October, 2007.

2.0 Ministry has examined the proposal and it is noted that the proposal involves expansion of Viscose Staple Fibre (VSF) to enhance the capacity from 51,100 to 87,600 TPA and Captive Power Plant from 10 MW to 20 MW at Grasilene Division, Kumarapatnam, Randennur, Haveri, Karnataka. The proposed expansion activities will be carried out in 2 ha out of total 41 ha available in the existing plant premises. Details of the products being manufactured in the existing plant and to be manufactured during expansion will be as follows :

S. N.	Particulars	Unit	Capacity		
			Existing	Proposed	Total
1	Viscose Staple Fibre	TPA	51,100	36,500	87,600
2	Sulphuric Acid	TPA	38,610	36,500	75,110
3	CS ₂ (Carbon Di – Sulphide)	TPA	8,380	5,985	14,365
4	Byproduct – Anhydrous Sodium Sulphate	TPA	36,485	32,720	69,205
5	Power	MW	10	10	20


3.0 The VSF manufacturing process adopted by M/s Grasim Industries Ltd. will be environment friendly due to elimination of Zinc from the process resulting into elimination of hazardous solid waste generation and Zinc free effluent. Total water requirement from Tungbhadra river after expansion will be 18,670 m³/day (7,640 m³/day for expansion). The effluent generation from the expansion plant will be 61.2 m³/Ton of product as against 150

- vii. Green belt of adequate width and density shall be developed in 14 ha out of total 41 ha project area to mitigate the effect of fugitive emissions all a round the plant. The development of green belt along the boundary wall, open space and avenue roads shall be provided in consultation with the local DFO as per the CPCB guidelines.
- viii. The project proponent shall comply with the environmental protection measures and safeguards recommended in EIA / EMP / Risk Analysis reports as well as the recommendations of the public hearing panel.

B. GENERAL CONDITIONS :

- i. The project authorities must strictly adhere to the stipulations made by the Karnataka Pollution Control Board (KPCB) and the State Government.
- ii. No further expansion or modifications 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 adequacy of the conditions imposed and to add additional environmental protection measures required, if any.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission levels shall go beyond the prescribed standards. Continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- iv. At least three ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the KPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Bangalore / KPCB and CPCB once in six months.
- v. Fugitive emissions in the work zone environment shall be periodically monitored with instruments of proper range and emissions shall conform to the standards prescribed by the KPCB. Action shall be taken to reduce the fugitive emissions in the work zone environment as far as possible. Dust collectors shall be provided at transfer points to control fugitive emissions.
- vi. Adequate number of influent and effluent quality monitoring stations should be set up in consultation with the KPCB. Regular monitoring shall be carried out for relevant parameters.
- vii. Industrial wastewater shall be properly collected and 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 discharged into river only after meeting the standards prescribed by the KPCB or under E(P)A whichever are more stringent.

- xviii. 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 KPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests 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 Bangalore.
- xix. 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.
- 5.0. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 6.0. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- 7.0. 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 and Handling) Rules, 2003 and the Public (Insurance) Liability 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 -110032.
2. The Chairman, Karnataka State Pollution Control Board, Parisar Bhavan, No. 49, 4th & 5th Floor, Church Street, Bangalore - 560 001, Karnataka.
3. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034, Karnataka.
4. The Secretary, Department of Environment & Forests, Government of Karnataka, Bangalore, Karnataka.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
6. Guard file.
7. Monitoring file.
8. Record file.



(Dr. P. B. Rastogi)
Additional Director