

**ADITYA BIRLA**



**Dated: 13.10.2023**

**The Director,  
Department of Environment, Forest & Climate Change  
Block No. 14, 8<sup>th</sup> Floor,  
Sachivalay, Gandhinagar-382010,  
Gujarat, India.**

**Subject: Half Yearly Compliance Report of Coastal Regulation Zone (April-23 to Sept-23)**

Dear Sir,

In view of above subject matter, we are submitting the hard as well as soft copy of half yearly Coastal Regulation Zone Compliance report along-with soft copy of CRZ clearance- 2007 on dated: 26.02.2007 for the period of **April-23 to Sept-23**.

Hope, the same is in order.

**Yours Faithfully,  
(For Birla Cellulosic)**

**Manish Patel**

**LH- Technical Services**

**Encl. :**

1. CRZ- Copy
2. CRZ- 2007 Compliance Report (**April-23 to Sept-23**)

**CC To:**

1. **GPCB Regional office** - Gujarat pollution control board, Plot No. 1501, GIDC, Ankleshwar
2. **GPCB Head office** - Gujarat pollution control board, Paryavaran Bhavan, CHH Road, Sector 10A, Gandhinagar, Gujarat 382010
3. **MOEFCC Office** – Monitoring Cell, MOEFCC office, New Delhi.
4. **MOEFCC Office-** Mr. Yogesh Kumar (IRO), MOEFCC office, Aaranya Bhavan, Gandhingar.



**Birla Cellulose**  
Fibres from nature

Grasim Industries Limited  
Unit - Birla Cellulosic

Works : Birladham, Kharach Kosamba R.S.  
Dist. Bharuch (Gujarat) - 394 120 INDIA  
CIN : L17124MP1947PLC000410

Telephone +91 2646 270001-005, 270301-305  
Fax +91 2646 270010, 270130  
Email bc-kharach.info@adityabirla.com

Liaison Office : 11th Floor - 1101 & 1102 OCEAN, Opposite Vadodara Central Mall, Vikram Sarabhai Marg, Vadlwadi, Vadodara - 390023, Gujarat - India  
Regd. Office : P.O. Birlagram, Nagda(MP) - 456 331. Phone : (07366) 246760-66, Fax : 255198, Website : www.grasim.com



**J. K. VYAS**  
**DIRECTOR (Environment)**

Original given to Mr. Bhaat  
Date on 20.03.07

**GOVERNMENT OF GUJARAT**  
Forests & Environment Department  
Block no. 14, 8<sup>th</sup> floor  
Sachivalaya, Gandhinagar - 382 010  
Gujarat, INDIA

Ph : (079) 23251062, 23252660

Fax : (079) 23252156

Email : jcio-fed@gujarat.gov.in

Ref. No. ENV-10-2006-100-P

February 26, 2007

**Sub:** CRZ clearance for proposed treated effluent pipeline of M/s Birla Cellulosic, at Kharach, Kosamba, District: Bharuch.

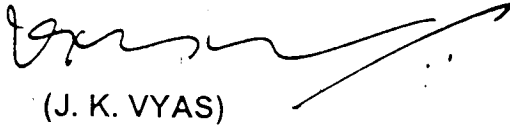
Reference is invited to the Ministry of Environment and Forests, Government of India's letter No. J-11-51/2006-IA-III, dated 17-01-2007 according to the Environmental Clearance (EC) for your proposed project of laying the treated effluent disposal pipeline (conveyance system) to dispose off their treated effluent to the tune of 14580 m<sup>3</sup>/day into the estuary of Kim River at a point suggested by the National Institute of Oceanography (NIO) at the co-ordinates, latitude 21° 27'35" N and longitude 72° 45'01" E., with strict compliance of the conditions stipulated therein.

In view of the Specific Condition No. A (i) stipulated by the MoEF, GOI, in their above mentioned EC letter, following conditions stipulated by this Department in the letter dated 3-11-06, shall have also to be strictly complied with by the Birla Cellulosic.

1. The provisions of the CRZ notification of 1991 and subsequent amendments issued from time to time shall be strictly adhered to by the Birla Cellulosic.
2. 14580 m<sup>3</sup>/day of the treated effluent meeting with the Gujarat Pollution Control Board (GPCB) norms at the point recommended by the National Institute of Oceanography shall only be discharged through the said pipeline.
3. All the recommendations and suggestions given by the NIO and NEERI in their effluent disposal point selection report / Environment Impact Assessment report shall be implemented strictly by the Birla Cellulosic.
4. The effluent not meeting with the GPCB norms shall not be discharged and shall be stored in the Guard Ponds and recycled back into the Effluent Treatment Plant for further treatment to achieve the GPCB norms. The Birla Cellulosic shall install necessary facilities for this purpose and shall strictly ensure the compliance with the GPCB norms, round the clock.

5. Comprehensive Environment Impact Assessment report shall be submitted to this department and the recommendations/suggestions given in it shall be implemented.
6. The construction debris and sewage generated during the construction phase shall not be discharged into the creek, sea, estuary or into the CRZ area. The debris shall be removed from the construction site immediately after the construction is over and shall be disposed off as per the guidance of the GPCB.
7. The construction camps shall be located outside the CRZ area and the construction labours shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.
8. The groundwater shall not be tapped to meet with the water requirements during construction or operation phase in any case.
9. A Disaster Management Plan to meet with any eventualities that may arise during construction and/or operation phase shall be prepared and implemented.
10. The pipeline shall be monitored regularly by the company and it shall be ensured that there is no leak from the pipeline. In case of any such eventualities, the company shall immediately stop disposal through the said pipeline and take the corrective measures in consultation with the GPCB and the District Collector.
11. Necessary permissions from different departments/ agencies under different laws/ acts shall be obtained before commencing the construction / pipeline laying activities.
12. A separate Environmental Cell with qualified personnel shall be created to implement the Environmental Management Plan and a separate budget shall be provided for this purpose.
13. The cost of the external agency that may be appointed by this Department for supervision / monitoring of the project activities during construction/ operational phases shall be borne by the Birla Cellulosic.
14. Massive greenbelt development program including the mangrove plantation shall be carried out in consultation with the Forest Department by the Birla Cellulosic.
15. A large scale socio-economic upliftment program in consultation with the District Collector/ DDO shall be carried out. A separate budget shall be provided for this purpose and details be furnished to this Department from time to time.

16. Environmental Audit report shall be submitted every year. The report shall also cover the change in the coastal and marine environment enroute the proposed pipeline and around the disposal point due to commissioning of the proposed pipeline.
  17. M/s Birla Cellulosic shall provide financial and technical support to the Green Corps Scheme being implemented in Gujarat by the GEER Foundation in consultation with this Department.
  18. A six monthly progress report regarding the compliance of the conditions shall be submitted to this department.
  19. Any additional condition that may be imposed by this Department from time to time shall have to be complied with by the Birla Cellulosic.
- You are further directed to furnish us the six monthly compliance reports with respect to the conditions stipulated by the MoEF, GOI, as well as the above mentioned conditions stipulated by this Department in the months of January and July, each year, without fail.

  
(J. K. VYAS)

To,

✓ Shri S. V. Kulkarni  
Executive President  
Birla Cellulosic,  
Birladham, Kharach,  
Kosamba R. S. - 394 120.  
District Bharuch.

Copy to:

1. Shri A. Senthil Vel  
Additional Director  
Ministry of Environment and Forests  
Paryavaran Bhavan, CGO Complex  
Lodhi Road, New Delhi - 110 003  
➤ For information please.
2. Shri Sangiv Tyagi  
Member Secretary  
Gujarat Pollution Control Board  
Sector 10 A, Gandhinagar.  
➤ With a request to ensure that the conditions stipulated by the MoEF, GOI, as well as this Department are strictly complied with by the project proponent. An action taken report in this regard to be submitted to this Department on a regular basis.

**Compliance Status Report for “Coastal Regulation Zone Clearance” Accorded  
by the DoEF for Birla Cellulosic – Kharach**

Ref: Letter No: env-10-2006-100-P dated 26-02-2007

Status of Compliance for the Period of **April-23 to Sept-23**

<b>Sr. No.</b>	<b>Terms / Conditions by DoEF</b>	<b>Reply by Project Proponent</b>																		
1	The provisions of CRZ notification of 1991 and subsequent amendments shall be strictly adhere.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ We have complied with provisions of CRZ notification of 1991 and the conditions stipulated by Forests and Environment Department, Government of Gujarat vide their letter no. ENV-10-2006-100-P dated 03.11.2006.</li> <li>○ Unit is submitting condition wise compliance report to concern statutory authority half yearly through mail/hard copy submission.</li> <li>○ <b>Six monthly Compliance report for the period of Oct-22 to March-23 was submitted in hard/soft copy in May-23.</b></li> </ul>																		
2	14580 m3/day treated effluent, meeting the GPCB norms shall only be discharged at the recommended point by NIO shall discharge through pipeline.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit has obtained EC vide order no. F,No. J-11011/320/2016-IA II (I) dated: 22.02.2018 and CCA having order no. AWH-101226 on 23.05.2019 for revised quantity of Industrial Effluent is 14535 M3/Day.</li> <li>○ As stipulated in the CCA, we have installed a separate 24 KM long underground pipeline for discharging the treated effluent in the estuary of Kim River as approved by GPCB. This disposal point was suggested by NIO, Goa.</li> <li>○ A Summary of treated effluent for the reporting period is given below: <table border="1" data-bbox="743 1451 1271 1919" style="margin-left: 20px;"> <thead> <tr> <th><b>Month</b></th> <th><b>Quantity (M3/Month)</b></th> </tr> </thead> <tbody> <tr> <td>Apr-23</td> <td>178010</td> </tr> <tr> <td>May-23</td> <td>202552</td> </tr> <tr> <td>Jun-23</td> <td>196565</td> </tr> <tr> <td>Jul-23</td> <td>159382</td> </tr> <tr> <td>Aug-23</td> <td>196794</td> </tr> <tr> <td>Sep-23</td> <td>188751</td> </tr> <tr> <td><b>Total</b></td> <td><b>1122054</b></td> </tr> <tr> <td><b>Average (M3/Day)</b></td> <td><b>6132</b></td> </tr> </tbody> </table> </li> </ul>	<b>Month</b>	<b>Quantity (M3/Month)</b>	Apr-23	178010	May-23	202552	Jun-23	196565	Jul-23	159382	Aug-23	196794	Sep-23	188751	<b>Total</b>	<b>1122054</b>	<b>Average (M3/Day)</b>	<b>6132</b>
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Status of Compliance for the Period of **April-23 to Sept-23**

		<ul style="list-style-type: none"> <li>○ The NABL accredited 3<sup>rd</sup> party Laboratory hire for Monitoring of effluent quality on monthly basis. Records of analysis is being maintains by Birla cellulosic.</li> <li>○ Our In-house laboratory also carries out sampling on daily basis. The analysis record is maintains by laboratory also.</li> </ul>
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○ A Summary of treated effluent for the reporting period is given below:

Parameter	pH	Temp.	S.S.	COD	BOD	Amm. N	Color	Zinc
Unit	-	°C	mg/l	mg/l	mg/l	mg/l	Co-pt u.	mg/l
<b>Limit</b>	<b>6.5-8.5</b>	<b>40</b>	<b>100</b>	<b>250</b>	<b>100</b>	<b>50</b>	<b>100</b>	<b>10</b>
<b>Apr-23</b>	7.56	34.8	47	126	28	5.40	50	0.54
<b>May-23</b>	7.41	36.9	46	142	38	3.90	60	0.36
<b>Jun-23</b>	7.56	32.1	38	118	27	4.3	40	0.48
<b>Jul-23</b>	7.4	31.9	37	134	24	6.2	60	0.57
<b>Aug-23</b>	7.38	29.8	35	121	28	4.1	50	0.38
<b>Sep-23</b>	7.2	33.4	47	122	26	5.3	45	0.56

3	All the recommendations and suggestion given by the NIO and NEERI in their effluent disposal point selection / EIA report shall be implemented strictly.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit has implemented all recommendation &amp; observation as mentioned in NIO &amp; NEERI.</li> </ul>
4	The effluent not meeting with the GPCB norms shall not be discharged and shall be stored in guard pond which shall be retreated through ETP. BC has to install necessary facilities for this purpose.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit gives assurances that abide all conditions &amp; norms for Effluent discharge.</li> <li>○ Unit shall have discharged effluent only after meeting discharge norms prescribed in CCA.</li> <li>○ Unit has constructed guard pond having 65000 m3 capacity for storage of treated effluent in case of any emergency situation.</li> <li>○ As &amp; when effluent generated with having non-Uniform flow or with different characteristics diverted towards Catch pond for further treatment. Unit has constructed catch pond having 2500 m3 Volume, for water storage.</li> </ul>
5	Comprehensive EIA report shall be submitted with their recommendations / suggestions which shall be implemented.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ We are complying to all the environmental protection measures and safeguards recommended in EIA / EMP.</li> </ul>

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Ref: Letter No: env-10-2006-100-P dated 26-02-2007

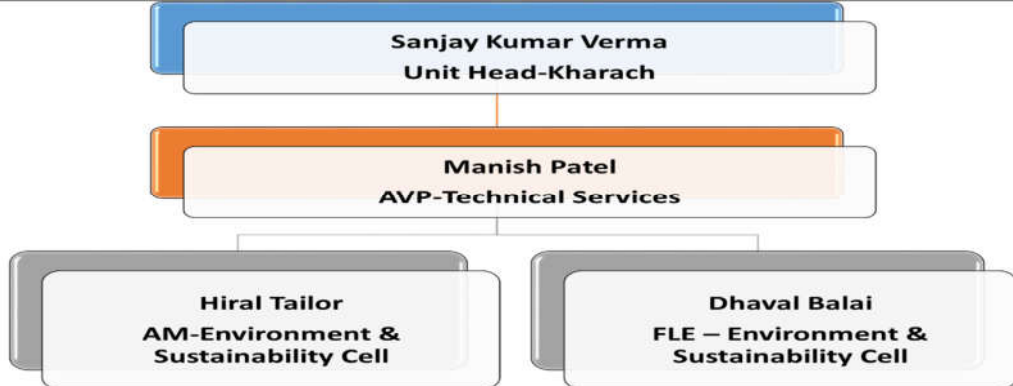
Status of Compliance for the Period of **April-23 to Sept-23**

6	The construction debris and sewage generated during the construction phase shall not be discharged into the creek, sea, estuary or into the CRZ area. The debris shall be removed and shall be disposed of as per GPCB guidelines.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit assured that, during construction activities, generated quantity of debris &amp; sewage is disposed in environment safe manner and without affecting quality of ground water.</li> </ul>
7	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities (Sanitation, water supply, fuel etc.) and envt. Conditions should not be deteriorated.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit has own construction site within the factory premises which is outside the Coastal Regulation Zone area. We have provided necessary amenities including sanitations, water supply and fuel to labours during construction of pipeline work and the same above facilities are provided during the time of laying pipeline onshore &amp; offshore.</li> </ul>
8	The ground water should not be trapped during the construction & operational phase.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit has fulfilled water requirement from its own water sources to construction site at project area by the water tanker. There is no ground water tapped in the project area falling in coastal regulation zone area.</li> </ul>
9	A disaster management plan to meet with any eventualities that may arise during construction / operation phase shall be prepared & implemented.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> </ul>
10	The pipeline shall be regularly monitored by the company and it shall be ensured that there is no leak from the pipeline. In such case company should immediately stop disposal through the pipeline and take corrective measures in consultation of GPCB.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit has deployed a full time dedicated team of three technicians who are regular doing patrolling of the pipe line from pumping stations to discharge point. This team daily checks the pipeline and carries out preventive maintenance of air release valves regularly and update regular status of pipeline to concern person.</li> </ul>
11	Necessary permission from different departments / agencies under different laws / acts shall be obtained before commissioning the construction / pipe laying activities.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> </ul>

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Status of Compliance for the Period of **April-23 to Sept-23**

12	A separate Environmental Cell with qualified personnel shall be created to implement the EMP and a separate budget shall be provided for this purpose.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ As per below chart, A separate environment management cell with suitable qualified personnel is constituted &amp; driven by Unit Head.</li> </ul>
 <pre> graph TD     A[Sanjay Kumar Verma Unit Head-Kharach] --&gt; B[Manish Patel AVP-Technical Services]     B --&gt; C[Hiral Tailor AM-Environment &amp; Sustainability Cell]     B --&gt; D[Dhaval Balai FLE – Environment &amp; Sustainability Cell]         </pre>		
13	The cost of the external agency that may be appointed by this department for supervision/ monitoring of the project activities during construction / operational phase shall be paid by BC.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> </ul>
14	Massive green belt development program including the mangrove plantation shall be carried out in consultation with the forest dept.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ As per the directives of DoEF, we have also planted Mangrove in 100 Ha. At Raniyo Island spending to Rs. 20.00 Lacs.</li> </ul>
15	A large scale social uplift program in consultation with the Dist. Collector / DDO shall be carried out. A separate budget shall be provided for this purpose and report to be submitted time to time.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ We have been undertaking various community development measures in and around 32 villages and no. of beneficiaries covered.</li> <li>○ Unit has CSR team to carry out social activities in nearby villages. The team also consulting with Dist. Collector/DDO on periodic basis.</li> <li>○ Unit has installed RO plants at 17 villages in association with village Panchayat and WASMO (Water &amp; Sanitation Management Organization), &amp; awarded with “4th EKDKN Exceed Award - 2018” – “Silver Award” on 25th March 2019 at India Habitat Centre, New Delhi for the outstanding the achievement apart of CSR in mfg. sector.</li> <li>○ The CSR Team of BC Kharach has taken an Initiative</li> </ul>



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Status of Compliance for the Period of **April-23 to Sept-23**

		<p>of Community Support to TB Patients for <b>National Tuberculosis Elimination Programme</b> under <b>The National Health Mission</b>. Under this programme unit has decided to provide Nutrition Kits to all TB patients of Hansot Taluka every month. During reporting period, total 206 TB patients covered along with Nutrition kit.</p> <ul style="list-style-type: none"> <li>○ We have a separate budget allocated for CSR activity.</li> </ul>
16	Environmental audit report shall be submitted every year. The report shall also cover the change in the coastal and marine environment enroute the proposed pipeline and around disposal point due to commissioning of the proposed pipeline.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ GPCB appointed Scheduled I auditor each year to carry out Environment audit.</li> <li>○ This audit covers the entire Environment management system of Birla Cellulosic.</li> <li>○ Presently, there is no planning to change the route and discharge point of pipeline.</li> </ul>
17	Shall provide financial & technical support to green corps scheme being implemented in Gujarat by the GEER foundation in consultation with DoEF.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ As per the directives of DoEF, we have also planted Mangrove in 100 Ha. At Raniyo Island spending to Rs. 20.00 Lacs.</li> </ul>
18	A six monthly progress report regarding the compliance of the conditions shall be submitted.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit is submitting condition wise compliance report to concern statutory authority half yearly through mail/hard copy submission.</li> <li>○ <b>Six monthly Compliance report for the period of Oct-22 to March-23 was submitted in hard/soft copy in May-23.</b></li> </ul>
19	Any additional conditions that may be imposed by this department from time to time shall have to be complied with GPCB report.	<ul style="list-style-type: none"> <li>○ <b><u>Complied.</u></b></li> <li>○ Unit abides to comply all the additional conditions imposed by department.</li> <li>○ All the conditions enforced as per the provisions of the Water Act, 1974, the Air Act, 1981, the Environment (Protection) Act, 1986 &amp; the Public Liability insurance Act, 1991 along with their amendments and rules have been fully complied.</li> </ul>