

F. No. J-11011/495/2010-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: [ms.industry-mef@nic.in](mailto:ms.industry-mef@nic.in)  
Tele/fax: 011 – 2436 3973  
Dated: 3<sup>rd</sup> May, 2011

To,  
M/s Bhilosa Industries Pvt. Limited  
Survey no. 199, 201/P & 202/1/1,  
Industrial Zone, Village Naroli,  
Silvassa- 396235

Ph: 022-30284500 Fax: 0260- 22838615  
E-mail: [rameshi@bhilosa.com](mailto:rameshi@bhilosa.com)

Sub: Proposed project for manufacturing of manmade fiber - Partially Oriented Yarn (POY) @ 1200 TPD & Fully Drawn Yarn (FDY) @ 600 TPD through Continuous polymerization process and 30 MW CPP at Industrial Zone, Village Naroli, Silvassa, U.T. of D & NH by **M/s Bhilosa Industries Pvt. Limited – regarding Environmental Clearance**

Sir,  
This has reference to your letter no. nil dated 24.02.2011 and subsequent communications dated 4.04.2011 along with copies of EIA/EMP reports seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s Bhilosa Industries Pvt. Limited have proposed for manufacturing of manmade fiber - Partially Oriented Yarn (POY) @ 1200 TPD & Fully Drawn Yarn (FDY) @ 600 TPD through Continuous polymerization process from raw materials such as PTA + MEG and 30 MW captive gas based power plant at Industrial Zone, Village Naroli, Silvassa, U.T. of D & NH. The proposed project is located in a Notified Industrial Zone. The Dadra and Nagar Haveli wildlife sanctuary is at a distance of 4 km from the project site. Comments from the Deputy Conservator of Forests were also obtained. Vide his letter no. 7-2/FD/WL/2011/128 dated 01.04.2011, it is informed that the location of the project which is proposed to be setup in Village Naroli, Silvasa does not fall within boundaries of the Dadra & Nagra Haveli Wildlife Sanctuary. Further, the survey numbers of the land where the project is proposed to be setup, does not fall within 100 m distance from boundary of Dadra & Nagar Haveli Sanctuary, which has been declared as eco-sensitive zone by UT Administration of Dadra & Nagar Haveli. It is further, mentioned that the proposed plant will not have any significant impact on the Dadra and Nagar Haveli wildlife sanctuary, Silvassa. River Damanganga flows at a distance of 6.48 km and tributaries of Damanganga flow at a distance of 1.76 km. Patches of RF are located at a distance of 4-5 km. The total plot area of the unit is 2,68,611m<sup>2</sup>, out of which 27,300 m<sup>2</sup> will be earmarked for green belt area. The total project cost for proposed activity will be Rs. 401.40 Crores. Rs. 6.8 Crores and Rs. 9.8 Lakhs will be earmarked towards capital cost and recurring cost/month for EHS system.

3. The details of the products along with production capacity are as given below:

Sr. No.	Name of the Products	Quantity
1.	Partially Oriented Yarn (POY)	1200 MT/Day
2.	Fully Drawn Yarn (FDY)	600 MT/Day
3.	Power Generation through Captive Gas Fired Power Engine (7.5 MW – 4 Nos each)	30 MW

4. There will be no process gas emissions due to proposed project. The company proposes to install 1 no of Steam boiler of 4 MT/hr capacity, 6 Nos of Thermic Fluid Heater having capacity of 12 M K.cal/hr. and Gas Fired Power Engine (4 Nos) of 7.5 MW capacity. Adequate stack height will be provided for dispersion of gaseous emissions.
5. The fresh water requirement will be 2723m<sup>3</sup>/day will be met from the Daman Ganga Canal Distributary. The total waste water generation will be 427m<sup>3</sup>/day. The industrial waste water (367m<sup>3</sup>/day) from process, utility & washing will be treated in the effluent treatment plant for primary, secondary & tertiary treatment. The treated effluent will be recycled back as cooling tower make-up. The cooling water blow down will be utilized for gardening/plantation purpose. There will be no discharge of treated effluent. The domestic waste water (8 KLD) generated will be disposed through soak pit / septic tank.
6. The hazardous wastes generated from process, ETP, machinery and raw material consumption will be stored separately in a designated storage area. The company will send its ETP waste to the TSDF site of GEPIL, Silvassa for final disposal. Polymer waste from process will be sold to actual users. Used oil from machinery will be sold to registered recycler/re-processor. Empty drums and bags will be sold to authorized re-conditioner & authorized scrap vendor.
7. The activity regarding manmade fibre is listed at Sl. No. 5 (d) of EIA Notification, 2006. This is a 'B' category project. However, as per the general condition of the EIA notification, 2006, the proposal has been appraised at the Centre as it is located within 10 km distance of interstate boundary.
8. The proposal was considered by the Expert Appraisal Committee-1 (industry) in its 21<sup>st</sup> meeting held during 25<sup>th</sup> - 26<sup>th</sup> March, 2011. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public hearing in this case is not required as the unit is located in the notified industrial area.
9. Based on the information submitted by you, presentation made by you and consultant, M/s Precitech Laboratories, Vapi, Gujarat, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS:**

- i. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 should be followed.
- ii. The total water requirement shall not exceed 2723 m<sup>3</sup>/day and permission shall be obtained to draw the water from the Competent Authority. The effluent after treatment shall be used for green belt. The domestic effluent shall be discharged to septic tank followed by soak pit.
- iii. The wet scrubber shall be installed to scrub the VOC emissions from the process. The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The levels of RSPM, SO<sub>2</sub>, NO<sub>x</sub>, VOC (ambient levels) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.
- iv. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
- v. Noise control management plan and Risk & Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, UTPCC and CPCB within 3 months of issue of environment clearance letter.
- vi. As proposed, green belt shall be developed in 33 % of the plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- vii. At least 2 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.
- viii. The company shall provide housing for 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.

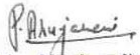
**B. GENERAL CONDITIONS**

- i. The project authorities shall strictly adhere to the stipulations made by the Dadra and Nagar Haveli Pollution Control Committee.

- 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 the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- iv. The gaseous emissions (NO<sub>x</sub>, and PM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO<sub>2</sub>, NO<sub>x</sub> and PM shall be carried.
- v. The locations of ambient air quality monitoring stations shall be decided in consultation with the Pollution Control Committee (UTPCC) and it shall be ensured that at least one stations is installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.
- vi. Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.
- vii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- viii. The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.
- ix. The company will undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.


- xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
  - xii. The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
  - xiii. The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/UTPCC / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.
  - xiv. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
  - xv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated E C conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the UTPCC.
  - xvi. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
  - xvii. 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 UTPCC and may also be seen at Website of the Ministry 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 shall be forwarded to the concerned Regional Office of the Ministry.
  - xviii. 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 start of the project.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

12. 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. P.L. Ahujarai)  
Scientist -F

**Copy to:**

1. The Secretary, Department of Environment and Forests, Government of Daman Diu and Dadar Haveli.
2. The Chief Conservator of Forests (Central), Ministry of Environment and Forests, Regional Office, (West), Link Road No. 3, E-5, Arera Colony, Bhopal – 462 016.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi – 110 032.
4. The Chairman, Daman Diu and Nagar Haveli Pollution Control Committee, Office of the Deputy Conservator of Forests, Moti Daman- 396220, Daman
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi – 110 003.
7. Guard File / Monitoring File / Record File.

  
(Dr. P.L. Ahujarai)  
Scientist -F