

F. No. J-11011/98/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
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New Delhi – 110 003
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Telefax: 011 – 2436 3973
Dated: April 13, 2009

To,

The Director
M/s Shree Durga Syntex Pvt. Ltd
Block no. 129 & 175, plot no. Z & E, Village: Jolva
Taluka: Palsana, Dist: Surat, Gujarat

E-mail : shreedurgasyntex@yahoo.co.in

Subject: Expansion project for Fully drawn Yarn, polyester Chips & Captive power plant at block no. 129 & 175, plot no. Z & E, Village: Jolva, Taluka: Palsana, Dist: Surat, Gujarat by M/s Shree Durga Syntex Pvt. Ltd - reg environmental clearance

Sir,

This has reference to your letter no. Nil Dated 6th February, 2009 along with Form-1 and pre-feasibility report on the above mentioned subject seeking environmental clearance under the Environmental Impact Assessment Notification, 2006.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that M/s Shree Durga Syntex Pvt. Ltd have proposed for expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant at block no. 129 & 175, plot no. Z & E, Village: Jolva, Taluka: Palsana, Dist: Surat, Gujarat. The production capacity of Fully Drawn yarn will increase from 40 MTPD to 300 MTPD and captive power plant will increase from 3.25 MW to 12.25 MW. It is proposed to manufacture 600 MTPD of polyester chips by continuous polymerization. It is proposed to increase production capacity along with backward integration of polyester chips/ liquid polyester to avoid melting process of polyester chips for producing FDY. No eco-sensitive areas are located within 10 km radius of the plant. The proposed expansion will be carried within the existing unit having land area of 9000 m², of which green belt will be developed in 33% of the total land area. Cost of the project is Rs.150.00 Crores, of which Rs. 30.00 lacs is earmarked for Environmental Protection Measures.

3.0 The total water requirement after the expansion will be 799 m³/d, which will be sourced from ground water source. Permission for drawl of 315m³/d of ground water was obtained on 12.10.2007. The waste water generation will be 202 m³/day. The domestic effluent (22m³/d) will be disposed of into septic tank followed by soak pit. Source of industrial wastewater (180 m³/d. will be from floor washing, cooling blow down, DM back wash and process condensate. The wastewater after passing through settling tank will be discharged in to the pipeline of PEPL, leading to PEPL- CETP. Power requirement will be met through the Captive power plant. Fuel requirement will be natural gas (72,000 m³/day) or FO/LDO (100 m³/day) Stack height of 30 m is proposed for existing Gas Engine(3Nos) and 50 m for proposed DG sets (3 nos), 30 m for proposed Gas Engine(3Nos) and 65 m for proposed DG sets (3 nos). Stack height of 11 m is proposed for steam boiler. There will not be any solid waste generation from the process or ETP.

4.0 The Petrochemical based processing units are listed at serial no. 5(e) of schedule of EIA Notification, 2006 and categorized under "A" or "B" category depending upon the location of the plant outside or inside the notified industrial area. In the instant case, the unit is located outside the industrial area hence this is a category "A" project and appraised by the Expert Appraisal committee (I) at centre.

5.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 92nd meeting held on 18th -20th March, 2009. The EAC (I) recommended the proposal for grant of environmental clearance under para 7(ii) of EIA Notification, 2006 exempting the project from preparation of EIA report and public hearing.

6.0 Based on the information submitted by the project authorities, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification, dated 14th September 2006 subject to the compliance of the following Specific and General Conditions:

A. SPECIFIC CONDITIONS:

- i. The industrial effluent generation shall not exceed 180m³/d. The effluent after treatment in the ETP and conforming to the prescribed standards shall be discharged into the pipeline of PEPL leading to CETP. The domestic effluent (22m³/d) shall be disposed through septic tank/soak pit.
- ii. There shall not be any process emissions due to the proposed activity. For dispersion of gaseous emissions from the steam boiler and DG sets, adequate height as per CPCB standards shall be provided. Acoustic enclosures / treatment shall be given to the DG sets to mitigate noise pollution. Measures for control of NO_x emissions shall be undertaken.
- iii. The proponent shall upload the status of compliance of the stipulated environmental 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 MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- iv. The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.

- v. The company shall undertake following Waste Minimization measures :-
- a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of "Close Feed" system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- vi. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by GPCB.
- vii. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- viii. The adequate financial provisions shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.
- ix. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- x. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- xi. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- xii. Usage of PPEs by all employees/ workers shall be ensured.
- xiii. Permission to draw ground water shall be undertaken fro the CGWB / State Ground Water Authority) as may be applicable to this case.
- xiv. The company shall undertake rainwater harvesting measures to recharge the ground water as well as reduced consumption of water.

B. GENERAL CONDITIONS:

- i. The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.
- 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_x, SO₂ and SPM) 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 SO₂, NO_x and SPM shall be carried.
- v. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station 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.

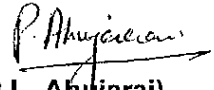
- ix. The company will undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration
- x. The company shall undertake eco-developmental measures including community welfare measures 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-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / 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 State Pollution Control Board.
- xvi. 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/Committee 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.
- xvii. 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.

7.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

8.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

9.0 Any appeal against this environmental clearance shall lie with the National Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003/ 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Dr.P.L. Ahujarai)
Director

Copy to:

1. The Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar-382 010, Gujarat.
2. The Chief Conservator of Forests (Western Zone), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

(Dr.P.L. Ahujarai)
Director