

ANNEXURE-19

F. No. J-11011/478/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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

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 Dated 5th December, 2007

To,
 M/s Shyam Dyes Chem.
 Plot No.C-1/B-6919, GIDC Estate
 Ankleshwar, Bharuch, Gujarat

E-mail : envisafe@satyam.net.in ; Fax No. : 02646-252

Subject : Expansion of manufacture of Synthetic Dyes (6 TPM to 26 TPM) at Plot No.C-1/B-6919, GIDC Estate, Ankleshwar, Bharuch, Gujarat by M/s Shyam Dyes Chem – Environmental clearance regarding.

Sir,

This has reference to your letter no. nil dated 7th May, 2007 on the above subject along with Form 1, Pre-feasibility Report, draft Term of References and subsequent communication vide letter dated 24th October, 2007.

2.0 The proposal was examined and it is noted that it involves expansion of manufacture of Synthetic Dyes (6 TPM to 26 TPM) at Plot No. C-1/B-6919, GIDC Estate, Ankleshwar, District Bharuch, Gujarat. Total project area is 0.198 acre (300 m²). At present, Synthetic Reactive Ramazole dyes (6 TPM) are manufactured and will introduce new products (Dyes and Pigments – Synthetic Organic Chemicals, 20 TPM). Total capacity after expansion will be 26 TPM. Following products will be manufactured:

S.N.	Name of the product		Production Capacity (TPM)		
			Existing	Proposed	Total after expansion
A Existing Products					
1	Synthetic Reactive/Ramazole Dyes	OR	3.0	--	3.0
	Ramazole Black	OR			
	Ramazole Orange	OR			
	Ramazole Yellow	OR			
2	OR				
	Reactive Ref	OR	3.0	--	3.0
	Reactive Golden Yellow	OR			
	Reactive Yellow	OR			
	Reactive Orange	OR			
B Proposed Additional products					
1	Director Red – 81	OR/AND			
2	Director Red – 31	OR/AND			
3	Director Orange – 26	OR/AND			
4	Director Brown – 1	OR/AND			

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5	Acid Yellow – 36	OR/AND	-	20.0	20.0
6	Acid Orange – 7	OR/AND			
7	Acid Red – 88	OR/AND			
8	Acid Yellow – 11	OR/AND			
9	Acid Brown – 55	OR/AND			
10	Acid Brown – 14	OR/AND			
11	Acid Yellow – 42	OR/AND			
12	Acid Blue – 113	OR/AND			
13	Pigment Rubine Tonner	OR/AND			
14	Pigment Yellow – 2	OR/AND			
15	Pigment Orange - 14	OR/AND			

Total cost of the project is Rs. 19.00 Lakhs. Rs. 65,000/annum are earmarked for pollution control measures.

2.0 Natural gas (15 m³/hr) will be used as fuel. No gaseous emissions from the process and fugitive emissions will be generated. Adequate ventilation system will be provided. Fresh water requirement will be 7.7 m³/day from GIDC water supply. Treated effluent will be sent to CETP operated by M/s Enviro Technology Ltd. (ETL) and then finally disposed off to deep sea through Bharuch Enviro Acqua Infrastructure Ltd (BEAIL) pipeline. Solid waste generated will be sent to TSDF for final disposal.

3.0 No public hearing is required as per the Section (iii), Stage (3), Para (i) (b) of the EIA Notification, 2006 since the unit is located in the notified GIDC area. 'No objection Certificate' has been accorded by GPCB vide letter no. GPCB/CE/BRCH-NOC-3316 (CCA)-1993/8872 dated 29th March, 2007.

4.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the EIA Notification, 2006 subject to the compliance of the terms and conditions mentioned below:

A. SPECIFIC CONDITIONS:

- i. Adequate chimney height and scrubbers shall be provided to control emissions from the NON-IBR steam boiler and hot air generators before discharging into the atmosphere as per standards / norms. The process emissions shall conform to the standards prescribed by the Gujarat Pollution Control Board / under E(P) Act which ever are more stringent.
- ii. The scrubbers shall be provided to control fugitive emissions in the workplace environment, product, raw material storage areas and regularly monitored.
- iii. Total water requirement from GIDC supply and effluent generation shall not exceed 7.7 m³/day and 5.39 m³/day respectively. No ground water shall be used. 'Permission' for the drawl of 7.7 m³/day shall be obtained from the concerned Department. The process effluent shall be treated in effluent treatment plant (ETP) to meet the GPCB norms and treated effluent shall be sent to common effluent treatment plant (CETP) operated by M/s Enviro Technology Ltd. (ETL) and then finally disposed off to deep sea through Bharuch Enviro Acqua Infrastructure Ltd. (BEAIL) pipeline. Project authorities shall ensure valid "Membership" to CETP of M/s ETL and BEAIL. Domestic effluent shall be treated in septic tank followed by soak pit.

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- iv. As reflected in the EIA / EMP report, all the solid/hazardous waste including ETP sludge shall be sent to Treatment, Storage and Disposal Facility (TSDF) and valid

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"Membership" to TSDF shall be ensured. The discarded empty containers/bags/liners and used oil shall be sold to registered recyclers or disposed off through TSDF.

- v. The company shall construct garland drains around the raw material storages to avoid contact of any accidental spillages with the domestic and storm drains.
 - vi. As proposed, green belt of adequate width and density shall be developed in 33 % area to mitigate the effects of fugitive emissions all around the plant as per the Central Pollution Control Board guidelines.
- B. GENERAL CONDITIONS:**
- i. The project authorities must strictly adhere to the all the stipulations made by the Gujarat Pollution Control Board and State Govt.
 - 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. The gaseous emissions (SO₂, NO_x and HCl) and particulate matters 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.
 - iv. Ambient air quality monitoring stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM are anticipated in consultation with the Gujarat Pollution Control Board. Regular ambient air quality monitoring including RSPM shall be carried out and data submitted to ministry's Regional Office at Bhopal/GPCB/CPCB.
 - v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
 - vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - vii. The project authorities shall provide adequate funds for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.
 - viii. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003. Authorization from the Gujarat Pollution Control Board shall be obtained for collections/treatment/storage/disposal of hazardous wastes.

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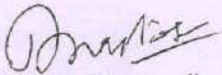
- ix. The stipulated conditions shall be monitored by the Regional office of this Ministry at Bhopal / Gujarat Pollution Control Board. A six monthly compliance report and the monitored data shall be submitted to them regularly.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Gujarat Pollution Control Board 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 shall be forwarded to the Regional office.

5.0 The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhopal.

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

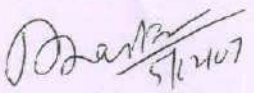
7.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

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


(Dr. P. B. Rastogi)
Additional Director

Copy to:-

1. The Secretary, Department of environment and forests, Govt. of Gujarat, Gandhi Nagar, Gujarat.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, 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 Pollution Control Board, Paryavaran Bhawan, Sector 10-A, Gandhi Nagar - 382 010, Gujarat.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.


(Dr. P. B. Rastogi)
Additional Director