

No.J.12011/1/2004-IA (CIE)
Government of India
Ministry of Environment & Forests
I.A. Division

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi-110003.
Telefax: 011-24360695
Dated: 10-3-2005

To

Dr. K.S.M. Rao,
Managing Director,
M/s Ramky Pharma City (India) Pvt. Ltd.
Raj Bhawan Road, Somajiguda,
Hyderabad-500082.

**Sub: Environmental Clearance for Pharma City Project at Parawada, District
Visakhapatnam, Andhra Pradesh**

Sir,

1. This has reference to your communications No.RPCIL/MoEF/04/2810 dated 28.10.04, enclosing EIA Report and other documents and subsequent letters dated 14.11.04, 28.12.04 & 24.1.05.
2. The Ministry of Environment and Forests has examined your application along with EIA/EMP and other documents. It is noted that the proposal is for setting up Pharma City through the Nodal Agency, Andhra Pradesh Industrial Infrastructure Corporation Limited with the participation of private parties. The project has been awarded to Ramky Group. The project envisages industrial theme park providing manufacturing facilities for chemical, bulk drug and pharmaceutical industries. The Pharma City is located in Parawada Village, 24 Kms west of Visakhapatnam Town over an area of 862 ha of land with facilities encompassing **common infrastructure** (roads, power, water, drainage, etc.), **environment infrastructure** (effluent conveyance system, CETP, Marine Outfall, Common Hazardous Waste Management Facility, etc), **other facilities** (solvent recovery facilities, bulk container depots, etc.) and **social infrastructure** (banks, restaurants, hospitals etc.).The public hearing for the project was conducted at Parawada on 18th July 2004. The consent for establishment of Pharma City was awarded by APPCB on 22nd September, 04. Around 80 to 100 industrial units will be established in plot sizes from 2ha to 25 ha. Total water requirement for the project estimated at 70 MLD (70,000 cubic metres per day) for processes, power plant utilities and green belt uses. The source of water supply is the reservoir at Parawada which is part of the project proposal to bring Godavari water to Visakhapatnam through the Yeleru canal. Estimated cost of the project is approximately Rs.300 crores.
3. The Ministry of Environment & Forests hereby accords environmental clearance to the project under EIA Notification dated 27th January, 1994 as amended subsequently subject to compliance of the following conditions:

A. SPECIFIC CONDITIONS

- (i) Waste water generated from each industrial unit in the industrial estate will be provided with pre-treatment before further treatment in the CETP to comply with the treatment standards.
- (ii) Process Logical control system with contact stabilisation will be implemented for treatment of waste water.
- (iii) The quality of effluent from the CETP will be as per the standards laid down for disposal of treated industrial waste to Sea.
- (iv) The cyanide waste will be collected and treated separately using Hydrogen Peroxide in place of Chlorine.
- (v) Oil and grease will be removed; treated and disposed properly, both at the individual industry level and at the CETP level.
- (vi) The bioassay test will be conducted before releasing the treated waste to Sea to ensure safety to marine life/ecology.
- (vii) Guard pond of at least one day capacity will be provided to be used as buffer during emergency.
- (viii) The design of Marine Outfall for disposal of final treated effluent will conform to the recommendations of NIO.
- (ix) Automatic Monitoring System will be installed for proper evaluation of the status of environment and the functioning of various treatment units.
- (x) Rehabilitation works of the project affected families will be provided as per the policies of the State Government of Andhra Pradesh.
- (xi) Document on Risk analysis and Disaster plan will be prepared for onsite and offsite. This will include guide lines for awareness, First Aid, Handling and Storage of Hazardous Raw Materials, Fire Fighting Facility, modes of communication, etc.
- (xii) Sewer lines from each industry to CETP will be properly designed to prevent solid/sludge settling. Over and above provision of flush tanks will be made for clearing any chokes.
- (xiii) Hazardous solid waste will be disposed in properly designed secured landfill sites to prevent pollution of ground water.
- (xiv) Rain water harvesting will be done in the project area taking due precautions so that there is no pollution of the under ground water.
- (xv) To conserve water, the treated waste water will be recycled/reused as shown in the comprehensive water management plan Report.
- (xvi) Green belt will be provided with plantation of appropriate species of trees around the project area.
- (xvii) Flooding of site during monsoon and possibility of storm water getting contaminated with chemicals/spillages will be prevented by diverting storm water to natural drains.
- (xviii) Proper care will be taken to nullify the effect of odour nuisance.
- (xix) In the effluent treatment plant, devices for removal of oil and grease will be inserted.
- (xx) The project proponents will obtain requisite permission/authorisation from other concerned authorities such as the State Maritime Authority, VUDA, CRZ Authority regarding the respective marine outfall and the proposed structures in the CRZ.
- (xxi) Utilization of flyash in the construction of infrastructure of the various structures of the industrial units may be encouraged.
- (xxii) Industrial units which cannot provide bag filter for the boiler emission control shall obtain the required steam from common generation facility.
- (xxiii) The state of art technologies will be installed for flow measurement and characterization before releasing the discharge from a unit into the sewer system.
- (xxiv) The parameters for BOD, COD, TDS, Phenol, oil & grease, heavy metals and suspended solids will also be included besides pH in monitoring the treated effluent.

- (xxv) The arrangement for flushing and cleaning of sewers shall be such as to preclude settlement of solids in the sewage system.
- (xxvi) A condenser shall be installed to recover water from the disposal system of high TDS effluents. The condensate shall be used for the development and maintenance of green belt. In this connection, the project proponents shall furnish a flow diagram showing the water balance for the entire system.
- (xxvii) Wastes bearing cyanides, Persistent Organic Pollutants (POPs) and high concentration of metals shall not be allowed to be discharged into the sewer system but would be transported through tankers and given a batch treatment at the CETP.
- (xxviii) The Disaster Management Plan shall be prepared and submitted to the local authorities. The project proponent shall keep the Ministry informed about the progress in this regard.
- (xxix) Continuous monitoring should be carried out of the stack emissions from the Thermal Power Plant and the incinerator and also set up at least one Ambient Air Quality Monitoring Station with the capability to monitor hazardous air pollutants in addition to the normal air quality parameters. The continuous monitoring shall in due course be connected online to the State Pollution Control Board.
- (xxx) The project proponent is further advised to look into the following issues:
 - (a) Safety and health of the workers at the CETP (Common Effluent Treatment Plant) and TSDF (Transport, Storage, Disposal Facility)
 - (b) Prevention of pollution from rain water entering from outside or coming from contaminated areas.
 - (c) Use of solar energy and wind power.
 - (d) Development of Disaster Management Plan including the cyclonic conditions.
 - (e) Setting up of Automatic Continuous Monitoring Stations for air quality at strategic points in at least three locations at 120 degree angle.
 - (f) Encourage units to take appropriate measures for controlling odour.

B. GENERAL CONDITIONS

- i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ii) No further expansion or modifications of the industrial estate shall be carried out without prior approval of the Ministry of Environment & 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, if required.
- iii) The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA report.
- iv) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Bangalore for review.
- v) A separate Environmental Management Cell equipped with full fledged laboratory facilities and adequate manpower shall be set up to carry out the environmental management and monitoring functions
- vi) The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & 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.

vii) The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore/ State Pollution Control Board / Central Pollution Control Board. A six month compliance status report shall be submitted to monitoring agencies.

viii) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the Ministry at <http://envfor.nic.in>. The advertisement shall be made within 7 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bangalore.

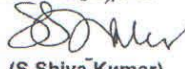
ix) The project authorities shall inform the Regional Office of the Ministry at Bangalore as well as the Ministry at New Delhi the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work. A set of all the documents should be forwarded to the Regional Office of the ministry to undertake monitoring of environmental clearance.

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

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

6. The above conditions will 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 Rules 2003), and the Public Liability Insurance Act, 1991 along with their amendments and rules.

7. The project proponent should acknowledge the receipt of the environment clearance letter and convey their concurrence to all the conditions stipulated above within 15 days from the date of issue of the letter. In case there is no response from the proponent, it would be deemed to have been agreed to.


(S. Shiva Kumar)
Director (IA)