

**1.1 GENERAL INTRODUCTION**

The Goa State Pollution Control Board is an autonomous statutory organization constituted on 1<sup>st</sup> July, 1988 under the Water (Prevention & Control of Pollution) Act, 1974. Prior to that, when Goa formed part of the erstwhile Union Territory of Goa, Daman and Diu, the Central Board for the Prevention and Control of Water Pollution was performing the functions of the State Board in Goa. The Central Pollution Control Board at Ponda-Goa had established a Section Office for the purpose. The same arrangement continued till the constitution of the State Board. In the meanwhile, the Section Office was re-constituted as West Zonal Office and shifted to Baroda on 4<sup>th</sup> April, 1988. All the relevant records pertaining to Goa were transferred to the Goa State Pollution Control Board on 12<sup>th</sup> September, 1988.

The Goa State Pollution Control Board, after its constitution, established its office in the Goa Medical College Complex at Bambolim. In June 1991, the Government of Goa allotted independent premises for the Board at Patto- Panaji, where the Board shifted its office in September 1991.

On 15<sup>th</sup> August, 2002 the Board acquired new premises on the 1<sup>st</sup> floor in Dempo Tower at Patto Plaza, Panaji and shifted its full set-up to this new premise. Subsequently, on 15<sup>th</sup> August, 2005, the Board acquired additional premises measuring 311.86 Sq. mt. on the 4<sup>th</sup> floor of the same building. The Physical and Analytical Laboratory-I was set up on the 1<sup>st</sup> Floor and the Physical and Analytical Laboratory-II and the Microbiology Laboratory were set up on the 4<sup>th</sup> Floor.

On 28<sup>th</sup> February, 2007, the Board established its first Regional Office in Goa. It was set up in the quarters of the Industrial Development Corporation at Verna Industrial Estate, Verna, Goa. It is performing functions under the Water and Air Acts to cater to the needs of the industries in South Goa.

**1.2 CONSTITUTION OF THE BOARD INCLUDING CHANGES THEREIN**

The present Board was constituted vide Order No. 5/20/87-STE/Part II/198 dated 26/05/2006 and the composition is as given below:-

**Chairman**

1. Dr. L.U. Joshi, Ex-Director (Scientific), Ministry of Science & Technology (New Delhi)

**Members**

2. Shri J.S.S. Rego, Chief Engineer-II, PWD
3. Dr. Arvind Salelkar, Director, Health Services
4. Shri Joseph D'Souza, Scientist (Remote Sensing), S.T.E
5. Shri J.B. Bhingui, Director, Department of Mines
6. Shri S.G. Redkar, Chief Inspector, Factories & Boilers
7. Smt. Ruth Furtado, Councilor, Corporation of City of Panaji
8. Smt. Piedade Noronha, Councilor, Margao Municipal Council
9. Smt. Carmeline Menezes, Sarpanch, Village Panchayat of Guirim
10. Shri Gurudas Gawas, Navelim, Bicholim
11. Smt. Elsie Lobo, Sarpanch, Village Panchayat of Parra
12. Shri Nitin Kunkolienkar, President, Goa Chamber of Commerce & Industry
13. Shri Keshav Kamat, President, Goa Small Industries Association.

14. Shri Tulio de Souza, President, Association of Architects
15. Shri N. Suryanarayana, Managing Director, Goa Industrial Development Corporation
16. Shri A.V. Palekar, Managing Director, Goa Tourism Development Corporation

**Member Secretary**

17. Shri A. K. Vazirani, Assistant Engineer, PWD

Vide Notification No. 5/20/87/STE/(PartII)/403 dated 20/07/2006 the member at Serial no. 10 has been substituted by Shri Sagun Wadkar, Panch, Village Panchayat, Pissurlem.

Vide Notification No. 5/20/87/STE/(PartII)/838 dated 15/11/2006 the member at Serial no. 15 and Member Secretary at serial no. 17 have been substituted by Shri Sanjit Rodrigues, Managing Director, GTDC and Shri. Ashok G. Daiwajna, Executive Engineer, PWD.

### **1.3 CONSTITUTION OF THE TECHNICAL COMMITTEE AND THE MEETINGS HELD**

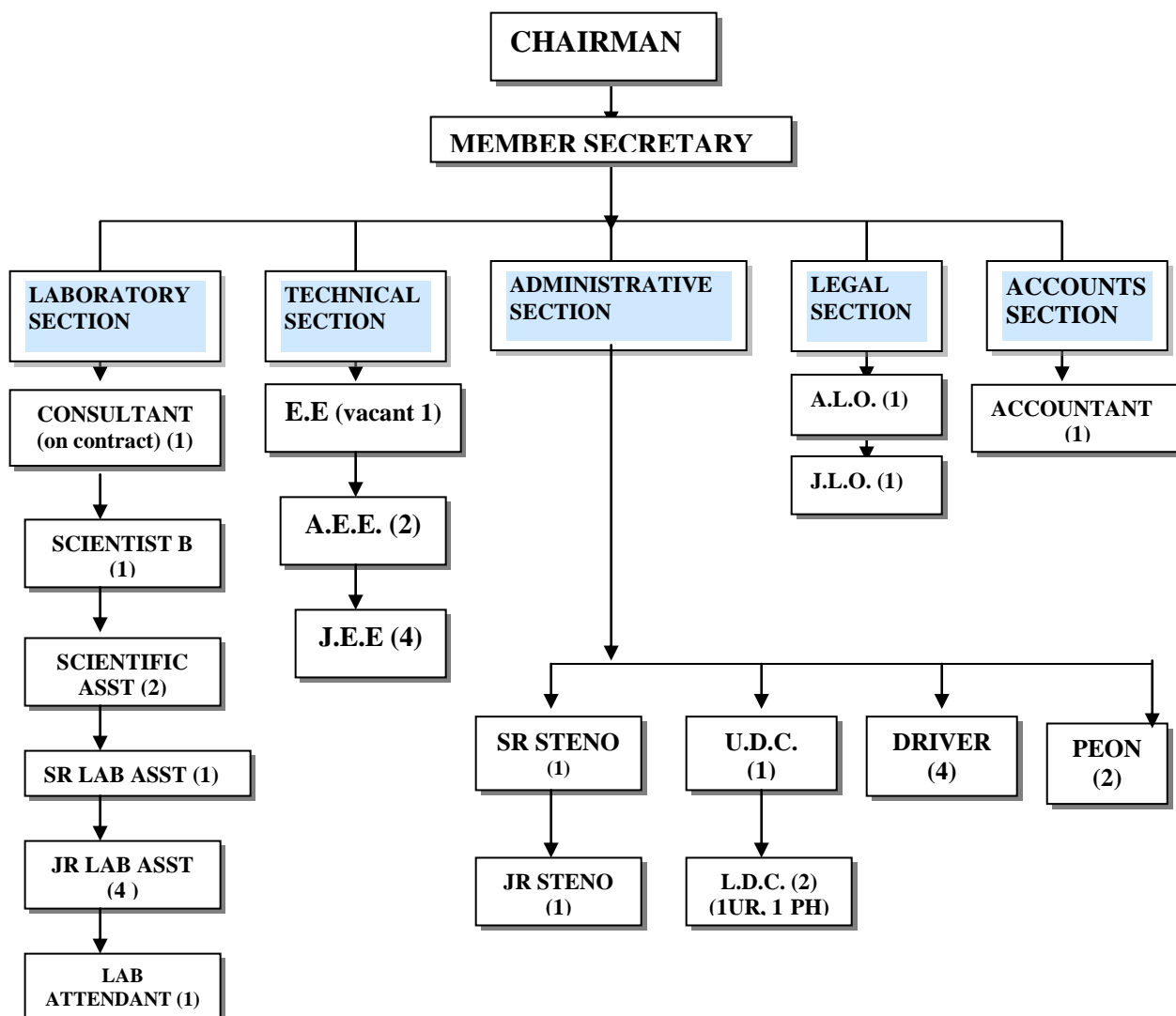
In order to develop uniformity in approach and to ensure timely clearance of the consent applications, a Technical Committee composed of technical and scientific officers was constituted by the Chairman of the Board vide Order No No.CH/ GSPCB /04/Vol.II/ 1664 dated 11/08/05 and CH/ GSPCB /04/ Vol.II/ 2993 dated 6/12/05. The composition of the committee is as given below:

1. Member Secretary, GSPCB, Convener of the Committee
2. One Member of the Board – Shri Nitin Kunkolienkar/ Shri Tulio de Souza/ Shri Atul Pai Kane
3. One Scientist from the National Institute of Oceanography – Dr. S.P. Fondekar/ Dr. P.V. Shirodkar/ Mrs. Analia Mesquita.
4. Jr. Env. Engineer of the Board – Shri Sanjeev Joglekar
5. Dr. Simon de Souza, Ex Scientist 'F' (Consultant), GSPCB

The committee held weekly meetings for scrutiny of consent applications, both under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981. Altogether, fifty meetings were held till 31<sup>st</sup> March 2007 wherein 898 applications were scrutinized and disposed off. Annexure I gives the details of Applications scrutinized and disposed of by the Technical Committee during the year.

The Technical Committee meetings were held on every Tuesday wherein the applications were examined keeping in mind that the sole function of the Board is to ensure that all industries discharging effluents or gaseous emissions, shall meet the standards prescribed and published under EP Act, 1986. Minutes of the meeting were put up for approval on Wednesday. On approval of the minutes by the Chairman on Wednesday, the approved list was displayed on the Notice Board of Goa State Pollution Control Board, Website of Goa Chamber of Commerce & Industry, and Website of Goa State Pollution Control Board. The Consent Orders were dispatched by post to the concerned parties on Thursday. This procedure has brought total transparency in the working of the Board.

## 2.1 STAFF OF GOA STATE POLLUTION CONTROL BOARD

ORGANIZATION CHART

Apart from the above staff, the Board had employed additional staff on contract basis. A total of 27 contract staff were employed during the year under report.

## 2.2 INFRASTRUCTURE FACILITIES

## 2.2.1 LABORATORY FACILITIES

The Board laboratories are well equipped and fully functional to carry out the analysis of water, air and soil samples for physical, chemical and bacteriological parameters. A Graphite Furnace accessory for the existing Atomic Absorption Spectrophotometer (AAS) and a Gas Chromatograph were procured during the year from the funds obtained from

MoEF, New Delhi and CPCB, and installed in the Board laboratory in April 2006. The instruments are being used for measurement of levels of toxic metals and pesticides in water/sediment samples. The above facilities were inaugurated by Hon. Deputy Chief Minister on 10/04/2006. The inauguration photographs are depicted as Plates 1A, 1B and 1C.

Photographs showing technicians at work in the different sections of the laboratory and the views of the Physical / Analytical and Microbiological Laboratories are also depicted as Plates 2A, 2B, 2C, 2D and 2E.

**Plate 1A: Inauguration of the Graphite Furnace by Hon. Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza**

**Plate 1B: Inauguration of the Gas Chromatograph by Hon. Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza**

**Plate 1C: Inauguration of the Microbiology Laboratory by Hon. Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza**

**Plate 2A: Atomic Absorption Spectrophotometer (Flame and Graphite) in operation at the Goa State Pollution Control Board Laboratory on the 1<sup>st</sup> Floor of Dempo Tower, Panaji**

**Plate 2B: Gas Chromatograph in operation at the Goa State Pollution Control Board Laboratory on the 4<sup>th</sup> Floor of Dempo Tower, Panaji**

**Plate 2C: A view of the Physical and Analytical Laboratory on the 1<sup>st</sup> Floor**

**Plate 2D: A view of the Physical and Analytical Laboratory on the 4<sup>th</sup> Floor**

**Plate 2E: A view of the Microbiology Laboratory on the 4<sup>th</sup> Floor**

**2.2.2 WEATHER MONITORING STATION**

The Board has set up an Automatic Weather Monitoring Station on the terrace of the Dempo Tower, Panaji. The Weather Monitoring Station gives meteorological data such as Wind Direction, Wind Speed, Temperature, Humidity, Solar Radiation and Rainfall at an interval of every hour. The data generated can be used to understand the movement and dispersion of pollutants through modeling studies. The Weather Monitoring Station was procured using the funds given by MoEF and set up in November 2006. It was inaugurated by Hon. Deputy Chief Minister on 11/12/2006.

Photographs of the Weather Monitoring station and Wind Monitor installed on the terrace and the 7<sup>th</sup> Floor of the Dempo Tower are depicted in Plates 3A and 3B respectively. Scientists downloading the weather monitoring data on the computer are seen in Plate 3C. The weather monitoring data for Panaji observed from November 2006 to March 2007 are given in Annexure IV.

**Plate 3A : Weather Monitoring Station installed by Goa State Pollution Control Board on the terrace of Dempo Tower, Panaji**

**Plate 3B: Recently installed Wind Monitor at Goa State Pollution Control Board Laboratory, Panaji**

**Plate 3C: Scientists from GSPCB downloading the Weather monitoring data**

### **2.2.3 MOBILE LABORATORY**

A new “Mobile Laboratory” was procured by the Board to help in measuring pollution levels at site. This Mobile Laboratory was inaugurated on 12/01/2007 by Hon. Deputy Chief Minister and Minister for Environment, Dr. Wilfred de Souza. Other dignitaries like Shri. Ceasar Menezes, President of Goa Pharmaceutical Manufacturers Association, etc. were also present.



The Mobile Laboratory was made operational from January 2007. It has since been extensively used for inspections and monitoring purposes. Both the old and the new mobile laboratories were frequently taken out for monitoring programmes such as stack monitoring, ambient air monitoring, industrial monitoring and mines monitoring. The inauguration photographs are depicted as Plates 4A, 4B, 4C, 4D and 4E.

**Plate 4A: Inside view of the “Mobile Laboratory” showing various instruments**

**Plate 4B : Inauguration of the Mobile Laboratory by Hon. Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza. Also seen Dr. L. U. Joshi, Chairman, GSPCB**

**Plate 4C : Dr. Wilfred de Souza, Hon. Dy. Chief Minister and Minister for Environment inaugurating the Mobile Laboratory by breaking the coconut**

**Plate 4D : Dr. L. U. Joshi, Chairman, GSPCB, discussing with Dy. Chief Minister & Minister for Environment, Dr. Wilfred de Souza regarding measurement of pollutants using Mobile Laboratory**

**Plate 4E: Dr. L. U. Joshi, Chairman, GSPCB speaking at the Press Conference held in the Conference Hall of Goa State Pollution Control Board on the occasion of the inauguration of the Mobile Laboratory.**

#### **2.2.4 REGIONAL OFFICE**

The Board established its first Regional Office at Verna – Goa in the quarters of the Industrial Development Corporation. The same was inaugurated by Hon. Deputy Chief Minister and Minister for Environment, Dr. Wilfred de Souza on 28/02/2007. Dr. L. U. Joshi, Chairman, GSPCB, other dignitaries like Shri Nitin Kunkolienkar, President, GCCI, Shri Keshav Kamat, Ex-President of GSIA and Shri Randhawa, IGP, officers and staff of the Board and other invitees were present for the inauguration.

Plate 5A shows the inauguration of the Regional Office. Plates 5B and 5C show the Chairman welcoming the Hon'ble Deputy Chief Minister and addressing the public respectively.

**Plate 5A : Inauguration of the Regional Office at Verna by Hon. Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza.**

**Plate 5B: Dr. L. U. Joshi, Chairman, GSPCB welcomes Hon. Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza for the inauguration of the Regional Office at Verna**

**Plate 5C: Dr. L. U. Joshi, Chairman, GSPCB addressing the gathering at the inaugural function of “Regional Office” at Verna**

## **2.3 FRONT OFFICE**

The front office of the Board is occupied by the Chairman's cabin, the Member Secretary's cabin, cabin of PA to Chairman, Visitor's lounge, Security and Inward Section. The Administrative, Technical, Legal and Accounts Sections are also located on the 1<sup>st</sup> Floor adjacent to the Front Office. The front office and Chairman's cabin have recently been modified. Views of the modified front office, Chairman's office and modified Chairman's cabin have been depicted in Plates 6A, 6B and 6C respectively.

**Plate 6A: A view of recently modified Front Office**

**Plate 6B: A view of the Chairman's Office**

**Plate 6C: A view of the recently modified cabin of the Chairman**

## **2.4 LIBRARY FACILITIES**

The Board has a spacious library of its own on the 4<sup>th</sup> Floor. It has varied publications from different departments/institutions, such as MOEF, CPCB, other State Boards' Annual Reports, etc. Legal, accounts and technical books, ISI Specifications, etc. are also available in the Board library.

## **2.5 CONFERENCE ROOM**

The Board has a Conference Room on the 1<sup>st</sup> floor. It is fully air conditioned with a seating capacity for around 30 people and facilities like whiteboard, TV, and Video. All Board Meetings and some other important meetings are held in the Conference Room. Plate 7A gives a view of the Conference Room.

**Plate 7A: A view of the Conference Room with Board Meeting in progress**

## ACTIVITIES OF THE BOARD

## 3.1 MEETINGS OF THE BOARD

During the year, 10 meetings of the Board were held as given in the Table:-

Sr. No.	Sr. No. of Meeting	Date of meeting	Venue	No. of members who attended the meeting
1.	70 <sup>th</sup>	07/04/2006	Board's Conference Hall	10
2.	71 <sup>st</sup>	08/05/2006	Board's Conference Hall	9
3.	72 <sup>nd</sup>	28/06/2006	Board's Conference Hall	11
4.	73 <sup>rd</sup>	11/09/2006	Board's Conference Hall	8
5.	74 <sup>th</sup>	06/10/2006	Board's Conference Hall	11
6.	75 <sup>th</sup>	19/10/2006	Board's Conference Hall	8
7.	76 <sup>th</sup>	29/11/2006	Board's Conference Hall	10
8.	77 <sup>th</sup>	29/01/2007	Board's Conference Hall	10
9.	78 <sup>th</sup>	21/02/2007	Board's Conference Hall	10
10.	79 <sup>th</sup>	29/03/2007	Board's Conference Hall	11

## 3.2 OTHER IMPORTANT MEETINGS HELD

- Meeting regarding Plastic “DEMO ROAD” at Ponda
  - General Procedure of Construction of Waste Plastic – Aggregate – Bitumen Mix Road

Plastics are organic high molecular weight compounds which do not undergo biodegradation. The plastics remain unchanged for many years. When it enters the drainage system or a water channel, it can clog the channel and create problems and even flooding in cities.

During the last couple of years, plastic waste in India has attracted widespread attention. Though the percentage of plastics in the Municipal Solid Waste is less than 5%, it generally affects the process of disposal.

The process for laying a road using plastic waste involves the following steps:

- i) The plastic waste is segregated and shredded into small pieces.
  - ii) The solid aggregate (granite, ceramic) with proper proportion of metals having different size and dust (quarry dust) is heated to around 170°C in Mini Hot Mix Plant. Simultaneously, Bitumen is heated at around 160°C and mixed.
  - iii) The heated aggregate is continuously stirred. Shredded plastic is added to this to get an uniform coating at the surface of the aggregate.
  - iv) Bitumen is added to aggregate coated with plastic waste and mixed uniformly as per IRC specifications. The mix is referred to as “Waste Plastic – Aggregate – Bitumen Mix”.
- Plastic “DEMO ROAD” at Ponda
 

The Central Pollution Control Board has sanctioned an amount of Rs. 6.21 Lakhs for construction of ‘DEMO ROAD’ from PLASTIC WASTE of Ponda

Municipal Council. The Ponda Municipality has agreed to lay down the Plastic Road of about one kilometer in length.

The Board held number of meetings with the officials of Ponda Municipality, Public Works Department, Goa Small **Scale** Industries Association, Corporators of Ponda Municipality, Officials of K.K. Plastics and Officials of Pollution Control Board. It was decided to take up the work of laying the road after the rains and after the code of conduct.

**Plate 8A: Dr. L. U. Joshi, Chairman, GSPCB addressing the officials of Ponda Municipality, Ex-President, GSIA, PWD and GSPCB for construction of “Demo Road” using waste plastic from garbage**

- **Improvement and expansion of Jetty at Dona Paula and construction of Jetties at Panaji, Old Goa and Brittona:**

In the 79<sup>th</sup> meeting of the Board, the officials of Captain of Ports Department and Goa State Infrastructure Development Corporation made a presentation regarding the above matter. The members decided that the Board officials should conduct a study and submit a report. The members also decided that the matter should be taken up only after submission of Environmental Impact Assessment Report by the Captain of Ports.

### **3.3 MAJOR DECISIONS TAKEN BY THE BOARD**

- **In the 70<sup>th</sup> Meeting, the Board took the following decisions:**
  - (i) MoEF released Rs. 30 Lakhs as 1<sup>st</sup> installment from the sanctioned mount of Rs. 50 Lakhs for the purchase of Graphite Furnace and Gas Chromatograph. Therefore, it was decided that the balance amount of Rs. 20 Lakhs be paid from the Current Account of the Board and after receipt of the same from MoEF be added back to the Board's fund.
  - (ii) That all the Sponge Iron Units should compulsorily be made to install brick manufacturing units within their premises to utilize the fly ash generated in the process.



- (iii) Upgradation of the posting of Shri Sanjeev Joglekar, JEE to the post of AEE.
- **In the 71<sup>st</sup> Meeting, the Board took the following decisions:**
  - (i) To charge fees from the mining industries for conducting Environmental Public Hearing.
- **In the 72<sup>nd</sup> Meeting, the Board took the following decisions:**
  - (i) To recognize the Board's Laboratory as State Water Laboratory and State Air Laboratory.
  - (ii) That Shri Sanjeev S. Joglekar, AEE should hold the charge of Member Secretary and Environmental Engineer, in the absence of the Member Secretary.
- **In the 73<sup>rd</sup> Meeting, the Board took the following decisions:**
  - (i) To issue closure directions to M/s Nicomet Industries Ltd. and M/s Sunrise Zinc Ltd. under section 33 A of the Water (Prevention & Control of Pollution) Act, 1974.
  - (ii) That no more Sponge Iron units and Scrap melting units be permitted in the State of Goa.
- **In the 74<sup>th</sup> Meeting, the Board approved the following:**
  - (i) Issue of closure directions under section 31(a) of the Air (Prevention & Control of Pollution) Act, 1981 to Sponge Iron Units namely M/s Jain Udyog Ltd., Santona, Sanguem, M/s Srithik Ispat Ltd., Xelpem, Sanguem, M/s Ambey Metallic Ltd., Pissurlem, Sattari, M/s Shraddha Ispat Ltd., Santona, Sanvordem and M/s Goa Sponge & Power Ltd., Santona, Sanvordem.
  - (ii) Issue of closure directions under section 33(a) of the Water (Prevention & Control of Pollution) Act, 1974 and under section 31(a) of the Air (Prevention & Control of Pollution) Act, 1981 to Red Category industries in Cuncolim Industrial Estate for operating without consent of the Board.
  - (iii) Issue of closure directions under section 31(a) of the Air (Prevention & Control of Pollution) Act, 1981 to M/s Sunrise Electromelt Ltd., M/s Maa Durga Enterprises Pvt. Ltd., M/s Puja Ferro Alloys Pvt. Ltd., M/s Shri Balaji Rollings Pvt. Ltd., M/s Rukminirama Rolling Pvt. Ltd. and M/s Shirdi Steel Re-rollers Pvt. Ltd. for not providing adequate Air Pollution Control Devices thereby causing release of fugitive emissions. The above closure was in view of a complaint filed in the Hon'ble High Court by Shri Oscar Martins, where the Board is the first Respondent.
  - (iv) Issue of closure directions under section 31(a) of the Air (Prevention & Control of Pollution) Act, 1981 to M/s Jyoti Shet Tanawade and M/s Konkan Minerals for operating without consent of the Board.
  - (v) Issue of notice in local dailies regarding operation of industries without consent / authorization of the Board.
- **In the 75<sup>th</sup> Meeting, the Board took the following decisions:**
  - (i) To issue closure directions to all Sponge Iron Units.
- **In the 76<sup>th</sup> Meeting, the Board took the following decisions:**
  - (i) Revocation of the closure directions issued to M/s Sunrise Electromelt Ltd., M/s Maa Durga Enterprises Pvt. Ltd., M/s Puja Ferro Alloys Pvt. Ltd., M/s Shri Balaji Rollings Pvt. Ltd., M/s Rukminirama Rolling Pvt. Ltd. and M/s Shirdi Steel Re-rollers Pvt. Ltd. subject to fulfilling the conditions laid down by the Board.
  - (ii) Granting permission to M/s Sunrise Zinc Ltd. and M/s Nicomet Industries Ltd. for construction of Captive Landfill site subject to conditions laid down by the Board and on furnishing Bank Guarantee of Rs. 7 Lakhs each.

- (iii) Issue of closure directions under section 33(a) of the Water (Prevention & Control of Pollution) Act, 1974 to M/s Top Line Writing Instruments Pvt. Ltd. for discharging effluent outside the premises.
  - (iv) Issue of closure directions under section 33(a) of the Water (Prevention & Control of Pollution) Act, 1974 to M/s Satya Industries for operating without consent of the Board.
- **In the 77<sup>th</sup> Meeting, the Board approved the following:**
    - (i) To extend the validity period of Consent to Operate to 12 years for the SSI categorized as Orange and Specified Orange categories, and to 15 years for the SSI categorized as Green with fees for consent to operate under Water and Air Acts, for both categories being raised to twice the present value.
    - (ii) Providing of mobile phone handsets to AAO, ALO, AEE I, AEE II with unlimited talktime and to SCI 'B' and four JEEs with a talk time of Rs. 250/-.
    - (iii) Implementation of Assured Career Progression Scheme to the Board Staff.
    - (iv) Issue of closure directions under section 31(a) of the Air (Prevention & Control of Pollution) Act, 1974 to M/s Mormugao Port Trust for handling of coal and coke on berth no. 10 & 11 without providing a proper system for mechanized material handling and dust suppression.
    - (v) Establishment of Regional Office of the Goa State Pollution Control Board at Verna.
    - (vi) EIA for Cuncolim Industrial Estate to be awarded to NEERI, Nagpur and the cost involved to be recovered from M/s Sunrise Zinc Ltd. and M/s Nicomet Industries Ltd.
  - **In the 79<sup>th</sup> Meeting, the Board approved the following:**
    - (i) Enhancement in the contribution to the Contributory Provident Fund of the Board's staff from the initial 10% to 12%.
    - (ii) Issue of closure directions to M/s Sunrise Electromelt Ltd., M/s Puja Ferro Alloys Pvt. Ltd., M/s Shri Balaji Rollings Pvt. Ltd. and M/s Rukminirama Rolling Pvt. Ltd. Taking serious note that the levels of Particulate Matter emissions from the stacks were exceeding the prescribed limits.

### **3.4 VARIOUS FUNCTIONS PERFORMED BY THE BOARD**

The State Pollution Control Board has been empowered to perform the following functions under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.

#### **3.4.1 OBJECTIVES AND APPROACH**

The functions listed below are directed towards the effective control of water and air pollution and thus to maintain and restore, wherever necessary, the wholesomeness of water for various designated best uses and to preserve the quality of air as per requirement of ambient air quality. The Goa State Pollution Control Board aims to achieve these objectives through:

- Control on quality of effluents and emissions from existing industrial units by periodical monitoring through surprise inspections and analysis of their effluent and emission samples.
- Maintain suitable industrial development by selecting non polluting industries and the industries with effective arrangements for treatment and disposal of effluents and solid wastes.

- Development of database to prepare water use and water quality maps and air quality zone use.

### **3.4.2 Functions under the Water (Prevention and Control of Pollution) Act, 1974**

- (a) To plan a comprehensive program for the prevention, control or abatement of pollution of streams and wells in the State and to secure the execution thereof.
- (b) To advise the State Government on any matter concerning the prevention, control or abatement of water pollution.
- (c) To collect and disseminate information relating to water pollution and the prevention, control or abatement thereof;
- (d) To encourage, conduct and participate in investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
- (e) To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programs relating to prevention, control or abatement of water pollution and to organize mass education programs relating thereto;
- (f) To inspect sewage or trade effluents, works and plants for the treatment of sewage and trade effluents and to review plants, specifications or other data relating to plants setup for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents in connection with the grant of consent, as required by this Act.
- (g) To lay down modify or annul effluent standards for the sewage and trade effluents and for the quality of receiving waters (not being water in an interstate stream) resulting from the discharge of effluents and to classify waters of the State.
- (h) To evolve economical and reliable methods of treatment of sewage and trade effluents, having regard to the peculiar conditions of soils, climate and water resources of different regions and more specially the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- (i) To evolve methods of utilization of sewage and suitable trade effluents in agriculture
- (j) To evolve efficient methods of disposal of sewage and trade effluents on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution,
- (k) To lay down standards of treatment of sewage and trade effluents to be discharged into any particular stream taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents.
- (l) To make, vary or revoke any order:-
  - (i) For the prevention, control or abatement of discharge of waste into streams or wells;
  - (ii) Requiring any person concerned to construct new system for the disposal of sewage and trade effluents or to modify, alter, or extend any such

existing system or to adopt such remedial measures as are necessary to prevent, control or abate water pollution;

- (m) To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage on both and to lay down, modify or annul effluent standards for the sewage and trade effluents;
- (n) To advice the State Govt. with respect to the location of any industry, the carrying on of which is likely to pollute a stream or well;
- (o) To perform such other functions as may be prescribed or may, from time to time be entrusted to it by the Central Board or the State Government.

#### **3.4.3 Functions under the Air (Prevention and Control of Pollution) Act, 1981**

- (a) To plan a comprehensive program for the prevention, control or abatement of air pollution and to secure the execution thereof.
- (b) To advice the State Government on any matter concerning the prevention, control or abatement of air pollution.
- (c) To collect and disseminate information relating to air pollution.
- (d) To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programs relating to prevention, control or abatement of air pollution and to organize mass education programs relating thereto;
- (e) To inspect, at all reasonable times, any control equipment, the prevention, control or abatement of air pollution in such areas, such directions to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution.
- (f) To inspect air pollution control areas at such intervals as it think may be necessary, to assess the quality of air therein and to take steps for the prevention, control or abatement of air pollution.
- (g) To lay down, in consultation with the Central Board and having regard to the standards for the quality of air laid down by the Central Board, standards for emission of air pollutants into the atmosphere from industrial plants and automobiles or for the discharge of any other source whatsoever not being a ship or an aircraft; provided that different standard for emission may be laid down under this clause for different industrial plants having regard to the quantity and composition of emission of air pollutants into the atmosphere from such industrial plants;
- (h) To advise the State Government with respect to the suitability of any premises or location for carrying on any industry which is likely to cause air pollution;
- (i) To perform such other functions as may be prescribed or as may, from time to time be entrusted to it by the Central Board or the State Government.
- (j) To do such other things and to perform such other Acts as it may think necessary for the proper discharge of its functions and generally for the purpose of carrying into effect the purposes of this Act.

Note: The Government of Goa vide Notification No. 14-1-88-STE dated 2-1-92 has extended the air pollution control area over the whole State of Goa.

### **3.4.4 INSPECTIONS**

#### **3.4.4.1 REGULAR INSPECTIONS**

The Goa State Pollution Control Board conducts inspections of the Industrial Units on regular basis, as required under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981. The inspections are carried out as follows:

- (i) Before the plant is commissioned / established, Consent to Establish (NOC) is issued for construction of the shed and establishing the machinery. After commissioning, the unit is inspected and Consent to Operate under Water Act or Air Act is granted, accordingly.
- (ii) Once the plant is in operation, the consents to operate under Water/Air Act have to be renewed periodically. At this stage the unit is inspected and samples are collected and analyzed at the Boards' laboratory to check the compliance of the consent conditions. Consent renewal orders are issued to the complying units.

#### **3.4.4.2 SURPRISE INSPECTIONS**

Besides the above regular inspections, surprise inspections are also being conducted to check the compliance by the units. To achieve this, industrial monitoring programmes are held at regular intervals, wherein the units are inspected at random with respect to the consent conditions. Samples of waste water, ambient air and stack emissions are collected and analysed in the Board laboratory.

#### **3.4.4.3 OTHER INSPECTIONS**

Inspections in response to public complaints regarding Hazardous Waste, Municipal Solid Waste, Biomedical Waste and Noise Pollution are also attended to by the Boards' officials as and when such complaints are received by the Board.

### **3.4.5 SAMPLING AND ANALYSIS OF INDUSTRIAL EFFLUENTS**

The Board has established its own laboratories on the 1<sup>st</sup> and 4<sup>th</sup> floor of Dempo Tower. The laboratories are well equipped with modern instrumentation to carry out water, air and soil analyses for physical, chemical and microbiological parameters. During the period from April 2006 to March 2007 the Board had collected 374 samples of industrial effluents and analyzed the same for the following parameters: pH, Biochemical Oxygen Demand, Chemical Oxygen Demand, Suspended solids and Oil and Grease. Apart from these the Board has also collected and analyzed fresh water samples from different sources such as wells, springs, streams etc. A total of 108 sediment samples and 147 water samples have been analysed during the year for trace and heavy metals using the Atomic Absorption Spectrophotometer.

For the first time, the Board has started monitoring on its own, the ambient air and source emissions from stacks for industries in Goa. A total of 18 ambient air and stack monitoring programmes were carried out during the year. Samples were collected and analysed for air pollutants such as SPM, RSPM, SO<sub>2</sub> and NO<sub>x</sub> for ambient air and Particulate Matter for stacks.

For collection and analysis of air, water and sediment samples, fees are being charged as per the guidelines of the Central Pollution Control Board. The total revenue generated through analysis of samples during the year under report is Rs. 2,23,285/-.

### **3.4.6 SPONSORED PROJECTS**

Apart from its regular activities, the Board has been implementing the following sponsored projects.

#### **3.4.6.1 National Water Quality Monitoring Programme (NWMP)**

It is an ongoing project sponsored by the Central Pollution Control Board, New Delhi. Under this project, the Board has been monitoring the water quality of the following rivers.

1. Mandovi at Panaji
2. Mandovi at Tonca-Marcela
3. Zuari at Cortalim
4. Zuari at Panchwadi
5. Khandepar at Opa, Ponda
6. Madei at Dabose, Valpoi
7. Valvanti at Sanquelim
8. Assanora at Assanora
9. Kalna at Chandel, Pernem
10. Talpona at Canacona
11. Salaulim dam at Salaulim, Sanguem

Hundred and Twenty four water samples were collected from all these rivers and analyzed during the year. Hundred and Thirteen samples for 9 parameters during the regular monitoring and eleven samples for 26 parameters during annual monitoring. The following parameters were analyzed on regular basis: Temperature, pH, Conductivity, Nitrate Nitrogen, Nitrite Nitrogen, DO, BOD, Total Coliform and Faecal Coliform. In addition to these the following parameters were analyzed during the annual monitoring: Calcium, Sodium, Chlorides, Phosphate, Sulphate, COD, Total Alkalinity, Turbidity, TKN, Hardness, TDS, FDS, TSS, Ammonia Nitrogen, Boron, Phenolphthalein Alkalinity and Potassium.

The analytical results show that all these rivers satisfy the quality requirement of the designated best uses as recommended by Central Pollution Control Board. The water quality data for these rivers observed during the year are given in Annexure II.

#### **3.4.6.2 NAMP (National Air Monitoring Programme)**

This is an ongoing activity funded by the Central Pollution Control Board, New Delhi under the National Air Monitoring Programme (NAMP). Under this programme the Board continued to monitor the ambient air quality at Vasco, MPT at Mormugao and Panaji.

The Ambient Air samples were collected at each station twice a week, as per the standard norms for ambient air quality monitoring, and normal parameters like RSPM, SPM, SO<sub>2</sub> and NO<sub>x</sub> were analyzed. The ambient air quality data for these stations observed during the year are given in Annexure III. The analytical results show that all the above parameters are within the limits prescribed for ambient air quality.

#### **3.4.6.3 SPATIAL ENVIRONMENTAL PLANNING PROGRAMME**

The Spatial Environmental Planning Program was conceptualized for ensuring the protection of the environment and its resources through planned and sustainable development. Sponsored by the Central Pollution Control Board, the program commenced, in 1995 in 14 volunteering states with district wise environment assessments for siting of industries. The program although initially catered to siting of industries, was expanded subsequently to cater to siting of industrial estates, compilation of environmental information, environmental improvement of urban areas/mining areas/tourism areas, etc.

The Goa State Pollution Control Board took up this project in August 2005. Under this Project, 4 Junior Research Fellows and 1 Data Entry Operator were employed to carry out the project activities.

From the year 2005, five activities under Spatial Environmental Planning Program were taken up namely; preparation of State Environmental Atlas, preparation of District Environmental Atlas, Revision of District wise Zoning Atlas for Districts for which Zoning Atlas were completed earlier, and preparation of State Level Guidelines for Siting of Industries and preparation of District Specific Guidelines for Siting of Industries. Owing to the small size of the state of Goa and since Goa consists of only 2 districts, the State Environmental Atlas and the District Environmental Atlas are merged together.

The activities under the Program include the following:

**1. Preparation of State Environmental Atlas for the State of Goa:**

The State Environmental Atlas is a compilation of environment related information in the form of maps, texts and statistical data. The maps in the Atlas are in the scale 1:50,000.

The State Environmental Atlas includes information on the administrative divisions of Goa, settlement locations, transportation network, climatic details of Goa, natural hazards, land use, physiography, wastelands, soil types, land capability, drainage, irrigation potential, ground water potential, hydrogeomorphology, surface water use, surface water flow, ground water use, biological diversity, incompatible land use areas, location of industrial estates, location of mines, solid waste generation, vehicular pollution, domestic sewage load, consumption of fertilizers and pesticides, air quality, water quality and ground water quality in the State.

**2. Revision of Zoning Atlas for Siting of Industries for North Goa and South Goa Districts:**

The Zoning Atlas for Siting of Industries interrelates the sensitivity of the environment with the pollution potential of industries so as to identify sites with minimal environmental impacts/risks as per the revised criteria. The Zoning Atlas report will be used only for official purposes to develop district-specific Industrial Siting Guidelines. The maps in the Atlas are in the scale 1:50,000.

The Zoning Atlas for Siting of Industries includes information on the environmentally sensitive zones in the State, site suitability for air and water polluting industries and zones for industrial siting.

**3. Preparation of Industrial Siting Guidelines for North Goa and South Goa Districts:**

The Industrial Siting Guidelines clearly bring out the information on environmentally sensitive zones/areas to be avoided for location of industries or carrying of processes or operations to be restricted in the district, potential zones for siting of air and water polluting industries or carrying of processes or operations that may be considered for siting anywhere in the district, other than environmentally sensitive zones/areas to be avoided for priority districts. This will be an instrument for implementing the Zoning Atlas for Siting of Industries. The Zoning Atlas for Siting of Industries will be used to develop these guidelines.

The Industrial Siting Guidelines includes information on the environmentally sensitive zones/areas to be avoided for location of industries or carrying of processes or operations such as biological diversity of an area and the sensitive/incompatible land uses, site suitability for industries (air and/or water pollution sensitivity), industries or carrying of processes or operations to be restricted such as restricted industries in the districts, industries that may be considered for siting of state of the art manufacturing process and/or Best Available Treatment Technology (BAT) is installed for wastes/effluents/emissions, siting of industries in urban areas/sites and siting of non-polluting industries, and a list of industries or carrying of processes or operations that may be considered for siting anywhere in the districts, other than environmentally sensitive zones/areas to be avoided.

### **3.4.7 ELECTRONIC DISPLAY BOARDS**

The Board, in collaboration with Indian Environmental Association put up an Electronic Display Board at the Kadamba Bus Stand, Panaji - Goa to display the concentration levels of SO<sub>2</sub>, NO<sub>x</sub>, SPM and RSPM emission in the ambient air. The same was inaugurated by Hon'ble Dy. Chief Minister and Minister for Environment, Dr. Wilfred de Souza. Shri Keshav Kamat, Shri. Pukharaj Bumb, Shri. Govind Tiwari, Shri. Mahesh Patil, Shri. Glen were also present along with Dr. L. U. Joshi, Chairman and Shri. A. K. Vazirani, Member Secretary, GSPCB.

The above Display Board is in addition to the 3 already existing ones put up in collaboration with M/s Sesa Goa Ltd., M/s Syngenta India Ltd. and M/s Ciba Speciality Chemicals Ltd.

The inauguration photograph and a photograph of the Display Board are depicted in Plates 9A and 9B.

**Plate 9A : Inauguration of the Electronic Display Board at Kadamba Bus Stand, Panaji.**

**Plate 9B : Electronic Display Board showing the concentration levels of various air pollutants at Kadamba Bus Stand at Panaji**



#### **3.4.8 IMPLEMENTATION OF HAZARDOUS WASTE (MANAGEMENT & HANDLING) RULES, 1989 & AMENDMENT.**

At present Goa State Pollution Control Board has identified 198 hazardous waste generating industries and authorizations have been granted for 198 industries (since inception of rules). The units which have been granted authorization under the Hazardous Waste (Management & Handling) Rules, 1989 during the year under report is given as Table 5 in Annexure V. The details such as location of the unit, categories of hazardous waste, quantity generated and mode of disposal is given in the table.

#### **3.4.9 IMPLEMENTATION OF BIO-MEDICAL WASTE (MANAGEMENT & HANDLING) RULES, 1988**

For implementation of the Bio-Medical Waste (Management and Handling) Rules 1988, Hospitals have been classified as per their bedded capacity.

1. Category 1:	With 500 beds and above	1 No.
2. Category 2:	With 200 beds and above, but less than 500	2 Nos.
3. Category 3:	With 50 beds and above, but less than 200	15 Nos.
4. Category 4:	With beds less than 50	164 Nos.

Total authorizations granted till 31/03/2007 are 171 Hospitals and 11 Veterinary units. The status of the Bio Medical waste generated during the year is given as Table 6 in Annexure VI.

#### **3.4.10 NOISE POLLUTION REGULATION & CONTROL RULES, 2000**

The Board is monitoring noise levels where specific complaints of noise pollution are received and action is being taken accordingly. In pursuance of clause (c) of rule 2 of the Noise Pollution Regulation & Control Rules, 2000, the Government of Goa vide Notification No. 2/51/2000 –II D (G) Vol I has designated (1) District Magistrates (2) Director General of Police (3) Deputy Collector and Sub-Divisional Magistrates (4) Superintendent of Police and Sub-Divisional Police Officers as ‘authority’ for the maintenance of ambient air quality standards in respect of noise under the said rules with effect from 21.09.2000.

#### **3.4.11 IMPLEMENTATION OF MUNICIPAL SOLID WASTES (MANAGEMENT & HANDLING) RULES, 2000**

The Board has issued authorization to all the 14 local bodies under the Municipal Solid waste (Management & Handling) Rules. Five Municipal bodies have partly adopted effective composting methods for processing of their waste.

#### **3.4.12 LEGAL MATTERS OF THE BOARD**

##### **STATUS OF THE CASES FILED BY THE BOARD DURING THE YEAR 2006-2007**

The status of the major cases filed by the Board and are pending in the High Court of Bombay at Goa are presented in Annexure VIII. Annexure VII gives the details of mining companies wherein Environmental Public hearing process is complete.

#### **3.4.13 FINANCE AND ACCOUNTS OF THE BOARD**

As per sub-section 2 & 3 of section 40 of the Water (Prevention and Control of Pollution) Act, 1974, the accounts of the Board are to be audited by an Auditor duly qualified to act as an Auditor of Companies under section 226 of the Companies Act, 1956. The said Auditor is to be appointed by the State Government on the advice of Comptroller & Auditor General of India (CAG).

Auditing of the accounts for the year 2000-2001 is in progress and thereafter 2001-2002 auditing will be taken up. Auditors for auditing of the accounts for the year 2002-2003, 2003-2004, 2004-2005 are being appointed by the State Government on the advice of CAG.

During the year under report, funds have been received from MoEF and Central Pollution Control Board for strengthening of Main and Regional laboratory and for mass awareness.

#### **3.4.14 IMPLEMENTATION OF THE SUPREME COURT GUIDELINES ON PREVENTION OF SEXUAL HARASSMENT OF WOMEN AT WORKPLACE**

Information in this regard, as per the Supreme Court judgment dated 13/08/1997, is that no complaints about sexual harassment were received during the financial year covered by this report.

**HUMAN RESOURCES DEVELOPMENT****4.1 FELICITATION OF DR. L. U. JOSHI BY INDIAN ENVIRONMENT ASSOCIATION**

Envirovision – 2006, an international event, organized by Indian Environmental Association (IEA), Mumbai was held at hotel Cidade de Goa, Dona Paula in September 2006. On this occasion, Dr. L. U. Joshi, Chairman of the Board was felicitated by IEA at the hands of His Excellency, Shri S. C. Jamir, The Governor of Goa, on the 22<sup>nd</sup> of September 2006, in recognition of his excellent services in environment management in Goa, in general, and functioning of Goa State Pollution Control Board in particular.

The Indian Environmental Association, Mumbai have highlighted some of the works of Dr. Joshi as follows:

- Dr. Joshi is the first Chairman qualified and experienced in the field of Environment to head the Goa State Pollution Control Board. His rich experience in science and various senior positions at the Central Government has helped in getting Central Government grants and establishment of full fledged laboratory in the Board.
- He has streamlined the procedure for grant of consent / NOC to the industrial units and brought in total transparency in the functioning of the Board.
- Under his directions the Board has computerized the records and NOC / consents are displayed on the GCCI website as well as Board website within few days after fulfilling all the necessary requirement.
- He took initiative in association with industries and NGOs for erecting the display boards at various places to provide information on environmental pollutant rate.

## 4.2 TRAINING / WORKSHOPS/ SEMINARS ATTENDED BY BOARD OFFICIALS

Sr. No.	Name & Designation of the Official	Title of the Seminar	Duration	Organizing Institute
1.	Shri S. Joglekar, J.E.E.	Green Tech for Waste Management	20 <sup>th</sup> & 21 <sup>st</sup> April, 2006	Goa Engineering College in co-ordination with CESE & IIT, Mumbai
2.	Shri S. Joglekar, J.E.E.	Hazardous Waste Management & Environment Protection for Sustainable Development	8 <sup>th</sup> – 10 <sup>th</sup> June, 2006	Vidarbha Productivity Council, Nagpur in collaboration with MPCB, Gujrat PCB, NPC, Mumbai and NEERI
3.	Dr. S. N. De Sousa, Consultant	Seminar on Environmental Education	28 <sup>th</sup> July, 2006	Dept. of Science & Technology, Govt. of Goa
4.	Smt. Jenica Sequeira, Sci 'B'	Refresher Course on Eco-Tourism & Environmental Laws	6 <sup>th</sup> – 8 <sup>th</sup> October, 2006	WWF
5.	Smt. Natalia Dias, A.L.O.	Refresher Course on Eco-Tourism & Environmental Laws	6 <sup>th</sup> – 8 <sup>th</sup> October, 2006	WWF
6.	Dr. S. N. De Sousa, Consultant	Scoping Workshop on South Asia Rapid Assessment Projects Results for Designing Future Research Agenda & Capacity Building Requirements at Bose Institute, Darjeeling	8 <sup>th</sup> -11 <sup>th</sup> October, 2006	Asia Pacific Network (APN) for Global Change Research, Kobe, Japan
7.	Dr. S. N. De Sousa, Consultant	Enviro Health Safety Monitoring Instruments Seminar	13 <sup>th</sup> November, 2006	M/s Saksham Enterprises
8.	Smt. Francisca Pereira, Sci Asst			
9.	Shri S. Joglekar, A.E.E.	Peripatetic Training Course for Officers of Govt. of Goa on Reservation in Services for SCs/STs/OBCs	14 <sup>th</sup> November, 2006	Govt. of India, Institute of Secretariat Training & Management
10.	Smt. Francisca Pereira, Sci Asst			
11.	Smt. Elmana D.Silva, U.D.C.			
12.	Smt Swapna Naik, r. Steno			
13.	Dr. S. N. De Sousa, Consultant	Seminar on Ion Exchange Chromatography	15 <sup>th</sup> November, 2006	M/s DIONEX
14.	Shri A. G. Daiwajna, Member Secretary	Scope & Dynamics of Integrated Solid Waste Management System – Moving towards Implementation	17 <sup>th</sup> – 19 <sup>th</sup> January, 2007	Ministry of Urban Development
15.	Shri Anand Mishra, J.E.E.			

#### 4.3 TRAINING IMPARTED TO COMPANY OFFICIALS AND COLLEGE STUDENTS BY THE BOARD

Sr. No.	Name of the Company / College / Individual given training	Title of the Training	Duration
1.	Govt. College of Arts, Science & Commerce, Khandola - Goa	Air & Water Analysis	30 <sup>th</sup> Oct – 4 <sup>th</sup> Nov., 2006
2.	St. Xaviers College of Arts, Science & Commerce, Mapusa - Goa	Air & Water Analysis	
3.	Chowgule College of Arts, Science, Margao - Goa	Air & Water Analysis	5 <sup>th</sup> to 8 <sup>th</sup> Feb., 2007
4.	M/s Chowgule & Co. Pvt. Ltd., Mining Division, Khandepar, Tisk, Usgao - Goa	Training Course in Environmental Pollution	5 <sup>th</sup> – 16 <sup>th</sup> March, 2007
5.	Shri Vijay Kumar (MTech), National Institute of Technology, Karnataka	Project on Waste Water Treatment Plant , Tonca, Panaji – Goa (Performance Index)	

#### 4.4 SEMINARS AND PUBLIC AWARENESS PROGRAMMES ORGANIZED BY BOARD IN COLLABORATION

##### 4.4.1 EDUCATION FAIR

Education Department, Government of Goa organized an Education Fair at Varca – Goa on 20<sup>th</sup> & 21<sup>st</sup> of May 2006. As an environmental awareness campaign, the Board participated in the fair and displayed instruments such as Respirable Dust Samplers, Portable Analysis Kit, Noise Level Meter, etc used for measurement of air, water and noise pollution. Posters depicting the different sources of air, water and soil pollution were displayed. A film show on Bio-Medical Waste Management was arranged for the public.

The following officials of the Board participated in the Education Fair:

Sr. No.	Name & Designation of the Official	Date
1.	Smt Jenica Sequeira, Sci 'B'	20 <sup>th</sup> May, 2006
2.	Shri Ganpat M. Naik, SLA	
3.	Shri Waman Chari, JLA	
4.	Shri Sajid Inamdar, JLA	
5.	Shri Santosh Haldankar, JLA	
6.	Shri Sameer Borkar, JLA	
1.	Smt Jenica Sequeira, Sci 'B'	21 <sup>st</sup> May, 2006
2.	Shri Sanjay Kankonkar, SA	
3.	Shri Waman Chari, JLA	
4.	Shri Kamlesh Kavlekar, JLA	
5.	Shri Sunny Pirankar, JLA	

##### 4.4.2 OTHER PUBLIC AWARENESS PROGRAMMES

As a public awareness campaign, Dr. L. U. Joshi, the Chairman of GSPCB, planted Acacia plants (Acacia Mangleum) at Mormugao Port Areas. Acacia Mangleum are fast and tall growing trees which can help prevent coal particles flying to Vasco City.

**Plate 11A : Dr. L. U. Joshi, Chairman, GSPCB planting fast tall growing trees (Acacia Mangeum) at MPT areas to prevent coal particles flying to Vasco City.**

#### **4.4.3 SEMINAR ORGANIZED BY HRD FOUNDATION, NEW DELHI WITH SUPPORT FROM THE BOARD**

HRD Foundation, New Delhi with the support of Goa State Pollution Control Board and Inspectorate of Factories & Boilers and with a sponsor from MoEF organized a training programme on “Management of Municipal Solid Waste & Plastic Waste” on 20<sup>th</sup> & 21<sup>st</sup> February, 2007 at Inspectorate of Factories & Boilers, Altinho, Panaji, Goa.

The following Board Officials participated in the above Seminar:

<b>Sr. No.</b>	<b>Name &amp; Designation of the Official</b>	<b>Date</b>
1.	Smt Francisca Pereira, Sci Asst.	20 <sup>th</sup> February, 2007
2.	Smt Afroz Veluskar, J.R.F.	
3.	Shri Keshav Fadke, J.E.E.	
4.	Shri Anand Mishra, J.E.E.	
5.	Smt Jenica Sequeira, Sci 'B'	21 <sup>st</sup> February, 2007
6.	Smt. Nandan Prabhudssai, J.E.E.	
7.	Kum. Anny Dias, F.A.	
8.	Kum. D'Silva, D.E.O.	
9.	Shri Sailesh Vaingankar, J.E.E.	

#### **4.5 APPOINTMENTS IN THE BOARD**

During the year under report, the Board appointed new staff as follows:

<b>Sr. No.</b>	<b>Post</b>	<b>Section</b>	<b>Nos.</b>
1.	Scientific Asst.	Scientific	1
2.	Jr. Lab. Asst.		1
3.	Jr. Law Officer	Legal	1
4.	Jr. Steno	Administrative	1
5.	L.D.C.		2
6.	Driver		2
7.	Peon		1

#### **4.6 PROMOTIONS IN THE BOARD**

Shri Sanjeev Joglekar, Junior Environmental Engineer on deputation from P.W.D. was given departmental promotion to Assistant Environmental Engineer during the year.

#### **4.7 DEPUTATIONS IN THE BOARD**

During the year under report, Shri. A. G. Daiwajna, Executive Engineer from PWD was deputed as Member Secretary in the Board in the place of Shri. A. K. Vazirani. Shri Vazirani continued to serve the Board as Executive Engineer in the office for some period until he was repatriated back to his parent department.

One Assistant Environmental Engineer and four Junior Environmental Engineers were also taken on deputation from P.W.D. during the year.

Shri. Suresh Diukar took over as Accountant in the place of Shri. Krishna Naik, Accountant. Both the officials are from Directorate of Accounts.

**LIST OF APPLICATIONS FOR CONSENT TO ESTABLISH/OPERATE UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974 AND AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981 PROCESSED AND APPROVED DURING THE YEAR 2006-07, BY THE CHAIRMAN.**

**Table 1-a**

The following applications were approved in pursuance of the recommendations made at the 31<sup>st</sup> meeting of the technical committee held on 05/04/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Marpol Pvt Ltd, Kakoda Indl Estate	NOC
2.	M/s Optic Fibre Goa Limited, Verna Indl Estate	Water & Air consent renewal
3.	M/s Fresh Flour, Ponda	NOC
4.	M/s Linc Engineering, Dhargal Indl Estate	NOC
5.	M/s Sai Engineering Co, Verna Indl Estate	Water & Air consent
6.	M/s Oriental Containers Ltd, Kundaim Indl Estate	Water & Air consent renewal
7.	M/s Lupin Ltd, Verna Indl Estate	Water & Air consent renewal
8.	M/s Micro Labs Ltd, Verna Indl Estate	Water & Air consent renewal
9.	M/s Govekar Rice & Flour Mill, Bicholim	NOC
10.	M/s Om Cashew Industries Ltd, Poinguinim	Air consent renewal
11.	M/s Malahari Flour Mill, Curtorim	NOC

**Table 1-b**

The following applications were approved in pursuance of the recommendations made at the 32<sup>nd</sup> meeting of the technical committee held on 11/04/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Deep Industries, Corlim Indl Estate	Air consent renewal
2.	M/s Ganindu Milk & Milk Products Pvt Ltd, Kundaim Indl Estate	NOC
3.	M/s Kemtec India Photographic Co. Pvt Ltd, Kundaim Indl Estate	Water & Air consent renewal
4.	M/s C & C Moulders Pvt Ltd, Verna Indl Estate	Water consent renewal
5.	M/s Godrej & Boyce Mfg Co. Ltd, Madkai Indl Estate	Water Consent renewal
6.	M/s Impala Distillery & Brewery Ltd, Quepem	Water consent renewal

**Table 1-c**

The following applications were approved in pursuance of the recommendations made at the 33<sup>rd</sup> meeting of the technical committee held on 18/04/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s V.S. Dempo & Co. Ltd, Rivona	Water & Air consent renewal
2.	M/s Aparant Iron & Steel Pvt Ltd, Sanguem	Water & Air consent
3.	M/s V.S. Dempo & Co. Ltd, Rivona (expansion of	NOC



	mobile BP)	
4	M/s V.S. Dempo & Co. Ltd, Surla BP	Water & Air consent renewal
5	M/s Mohan Amshekar, Bethora Indl Estate	NOC
6	M/s Tulip Diagnostics (P) Ltd, Plot No. 92/96, Verna Indl Estate	Water consent renewal
7	M/s Blossom Pharmaceuticals, Tivim Indl Estate	Water consent renewal
8	M/s Dempo Mining Corp Pvt Ltd, Crushing & Screening plant at Mayem	Air consent renewal
9	M/s Dempo Mining Corp Pvt Ltd, Surla Screening plant, Bicholim	Air consent renewal
10	M/s Tulip Diagnostics (P) Ltd, Plot No. S-126, Verna Indl Estate	Water consent renewal

**Table 1-d**

The following applications were approved in pursuance of the recommendations made at the 34<sup>th</sup> meeting of the technical committee held on 25/04/06

Sr No	Name of the unit & location	Application cleared for
1.	M/s V.M. Salgaocar & Bro Pvt Ltd, Mobile screening & crushing plant, Vagus	Water & Air consent
2.	M/s Seahath Canning Company, Margao Indl Estate	NOC
3.	M/s V.M. Salgaocar & Bro Pvt Ltd, Dry screening plant & loading facility, Vagus	Water & Air consent
4	M/s Taparia Tools Ltd, Cuncolim Indl Estate	Water & Air consent renewal
5	M/s Benz Silverline, Aldona	NOC
6	M/s BNN Food & Beverages, Colvale Indl Estate	NOC
7	M/s Snowman Frozen Foods Ltd, Verna Indl Estate	Air consent renewal
8	M/s Phil Corporation Ltd, Valpoi	Water consent renewal
9	M/s Sneha Rubber Works, Dharbandora	NOC
10	M/s Nagawalli Plapes Production, Pale	NOC
11	M/s New Tyres India, Sanguem	NOC
12	M/s Hindustan Petroleum Corpn Ltd, Murgao Co-op Indl Estate	Water & Air consent
13	M/s Amey Engineers & Printers, Kakoda Indl Estate	NOC
14	M/s Amey Industries, Kakoda Indl Estate	NOC
15	M/s IFB Industries Ltd, Corlim Indl Estate	Air consent renewal
16	M/s RMC Readymix (I) Pvt Ltd, Chowgule Indl Estate	NOC
17	M/s Jain Udyog, Sanguem	Change in filtration plant

**Table 1-e**

The following applications were approved in pursuance of the recommendations made at the 35<sup>th</sup> meeting of the technical committee held on 02/05/06

Sr No	Name of the unit & location	Application cleared for
1.	M/s Ramada Caravela Beach resort – Varca Beach	Air consent renewal
2.	M/s Shiv Fab, Reis Magos	NOC
3.	M/s Elegant Flooring & Cement Products, Cacora	Water consent
4	M/s Guala Closures (I) Pvt Ltd, Sanquelim	Water consent

5	M/s Borkar Packaging Pvt. Ltd, Margao Indl Estate	Water consent renewal
6	M/s Cipla Ltd, Plot No. L-139, 140A, B, 141, 142, 143/C, 147, 150, Verna Indl Estate	Water & Air consent renewal
7	M/s Cipla Ltd, Plot No. S-103-105, 107, 112, Verna Indl Estate	Water & Air consent renewal
8	M/s Master Industries, Curti	Water consent renewal
9	Shree Murdeswar Agritech, Kundaim Indl Estate	NOC
10	M/s Utopian Options (Resort), Canacona	NOC

**Table 1-f**

The following applications were approved in pursuance of the recommendations made at the 36<sup>th</sup> meeting of the technical committee held on 16/05/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Pharmasolve Specialities India Pvt Ltd, Verna Indl Estate	NOC
2.	M/s Coral Clinical Systems, Verna Indl Estate	Water consent renewal
3.	M/s Primavera Developers, Saipem, Candolim	NOC
4	M/s Vidya Industries, Margao Indl Estate	Water consent
5	M/s Sawal Cashew Factory, Pissurlem Indl Estate	Air & Water consent
6	M/s Mormugao Port Trust (fishing harbour at Vasco bay)	NOC
7	M/s Kamacon Systems Pvt Ltd, Old Goa	NOC (additional product)
8	M/s Shwarde Pharmaceuticals Ltd., Colvale Indl Estate	Water & Air consent renewal
9	M/s Glenmark Pharmaceutical Ltd, Colvale Indl Estate	Air & Water consent renewal
10	M/s Goa Glass, Tivim Indl Estate	Water consent
11	M/s Ashutosh Industries, Madkaim Indl Estate	Water consent renewal
12	M/s Saldanha Fabrication Works, Cansaulim	NOC
13	M/s Aytida Tools Pvt Ltd, Kundaim Indl Estate	Water consent renewal
14	M/s Ambey Metallic Ltd, Pissurlem Indl Estate	Water consent renewal
15	M/s GKB Hitech lenses Ltd, Tivim Indl Estate	Water consent renewal
16	M/s Britacel Silicones Ltd, Verna Indl Estate	Water consent renewal
17	M/s Mangal Iron Pvt Ltd, Madkaim Indl Estate	Air consent renewal
18	M/s Cipla Ltd, Plot No. M-61 to 63, Verna Indl Estate	NOC for boiler
19	M/s Marpol Pvt Ltd, Kakoda Indl Estate	Water & Air consent renewal
20	M/s Keserval Spring Distilleries Pvt Ltd, Cuncolim Indl Estate	Water consent renewal
21	M/s Albright Aluminium Industries, Honda Indl Estate	NOC for ETP

**Table 1-g**

The following applications were approved in pursuance of the recommendations made at the 37<sup>th</sup> meeting of the technical committee held on 24/05/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Akshay Enterprises, Karaswada, Ponda	NOC
2.	M/s Old Anchor, Cavellosim	Air consent
3.	M/s Ramacanta Velingkar Minerals, Darbandora	NOC

4	M/s Berger Becker Coatings Pvt. Ltd., Pilerne Indl. Estate	NOC
5	M/s Himali Soap Products, Tuem Indl. Estate	Water Consent
6	M/s Shubh Workshop, Usgao	NOC
7	M/s Coral Clinical Systems, Verna Indl. Estate	NOC (additional product)
8	M/s Anbee Pippings Pvt. Ltd., Madkai Indl. Estate	NOC
9	M/s Surface Coating Industries, Madkai Indl. Estate	Water Consent
10	M/s Whispering Palms Beach Resort, Candolim	Air consent renewal
11	M/s Sanman café, Bethora Indl. Estate	NOC
12	M/s Gradient Chemicals Co. Pvt. Ltd., Cuncolim Indl. Estate	NOC
13	Shree Navadurga Agro Oil Industries, Bicholim Indl. Estate	NOC
14.	M/s Cosmos Premises Pvt. Ltd. - Galaxy Beach Resort, Utorda	Hazardous Waste authorization

**Table 1-h**

The following applications were approved in pursuance of the recommendations made at the 38<sup>th</sup> meeting of the technical committee held on 31/05/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Sonam Industries, Pilerne Indl. Estate	Air Consent
2.	M/s Sea Lord Workshop, Old Goa	NOC
3.	M/s Milind Minipacks, Chinchinim	Water Consent
4	M/s Berger Becker Coatings Pvt. Ltd., Pilerne Indl. Estate	Water & Air Consent Renewal
5	M/s Kodak India Pvt. Ltd., Verna Indl. Estate	Water Consent Renewal for ETP
6	M/s S. Chems & Allied Producers Pvt. Ltd., Margao Indl. Estate	NOC
7	M/s Rukminirama Steel Rollings Pvt. Ltd., Cuncolim Indl. Estate	NOC
8	M/s Vernekar Batteries Pvt. Ltd., Corlim	Hazardous Waste authorization
9	M/s DCI Pharmaceutical Pvt. Ltd., Margao	Hazardous Waste authorization

**Table 1-i**

The following applications were approved in pursuance of the recommendations made at the 39<sup>th</sup> meeting of the technical committee held on 09/06/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Teracom Pvt Ltd, Kundaim Indl Estate	Water consent
2.	M/s Laxmi Cement Products, Sancoale Indl Estate	Water Consent
3.	M/s Shraddha Ispat Pvt Ltd, Cuncolim Indl Estate	Water & Air consent
4	M/s FDC Ltd (unit I & II) Verna Indl Estate	Water & Air consent renewal
5	M/s Deepti Marbles & Granites, Kundaim	Water consent renewal
6	M/s Ramkrishna Packaging, Verna Indl Estate	NOC
7	M/s FDC Ltd (unit III) Verna Indl Estate	Water & Air consent

		renewal
8	M/s Abbott India Ltd, Verna Indl Estate	Water & Air consent renewal

**Table 1-j**

The following applications were approved in pursuance of the recommendations made at the 40<sup>th</sup> meeting of the technical committee held on 12/06/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	Shree Durga Engineering, Verna Indl. Estate	NOC
2.	M/s Atlas Fisheries (P) Ltd., Baiguinim, Old Goa	Water Consent
3.	M/s Hindustan Petroleum Corporation Ltd., Kundaim Indl. Estate	Water consent renewal
4	M/s Lupin Ltd., Plot no. B-15, Verna Indl. Estate (Expansion)	NOC
5	M/s Tungvidya Slitters (P) Ltd., Verna Indl. Estate	NOC
6	M/s Maria Service Center, Parra, Bardez	NOC
7	M/s Zenith Computers Ltd., Sancoale Indl. Estate	Air consent renewal

**Table 1-k**

The following applications were approved in pursuance of the recommendations made at the 41<sup>st</sup> meeting of the technical committee held on 19/06/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	Quality Exports, Cuncolim Indl Estate	NOC
2.	Ramdev Plastic Industries- Madkai Indl Estate	Water Consent renewal
3.	B.C.P. Soda Factory- Panchwadi, Shiroda	NOC
4	Ramdev Polypack- Madkai Indl Estate	Water Consent Renewal
5	Godrej & Boyce Mfg. Co. Ltd - Madkai Indl Estate	Air Consent Renewal
6	Desai Cement Co. Pvt. Ltd – Navelim, Bicholim	Water & Air Consent Renewal
7	Laxmi Cement Blocks- Nanoda,	NOC
8.	Marksans Pharma Ltd, Verna Indl Estate	Hazardous Waste Authorisation renewal
9.	Romel Holdings Pvt Ltd.,-T.T.C. Indl Estate, Navi Mumbai	Hazardous Waste Authorisation
10.	Marpol Pvt Ltd- Plot No. 13-18, Kakoda Indl Estate	Hazardous Waste Authorisation renewal
11.	Marpol Pvt Ltd- Plot No. ABC, Kakoda Indl Estate	Hazardous Waste Authorisation renewal
12.	Nestor Pharmaceuticals Ltd-Verna Indl Estate	Hazardous Waste Authorisation renewal
13.	Standard Transformers Pvt Ltd - Canacona Indl Estate	Hazardous Waste Authorisation renewal

**Table 1-l**

The following applications were approved in pursuance of the recommendations made at the 43<sup>rd</sup> meeting of the technical committee held on 05/07/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Old Goa Flour Mill – Old Goa	NOC
2.	M/s Chowgule & Co. Ltd, Washing Plant - Sanguem	Air & Water Consent Renewal
3.	M/s Sea Blue Ice Plant - Nuvem	NOC
4.	M/s Raj Industries – Tuem Indl. Estate	Water Consent New
5.	M/s Gurukrupa Logistics – Pilerne Indl. Estate	NOC
6.	M/s Essel Propack Ltd. – Kundaim Indl. Estate	Air Consent Renewal
7.	M/s Mahalaxmi Industries – Sancoale Indl Estate	Water Consent Renewal
8.	M/s Sunshine Beach Resort – Calangute	NOC
9.	M/s Ranbaxy Laboratories Ltd. – Madkai Indl. Estate	Water Consent Renewal
10.	M/s Marpol Pvt. Ltd. – Kakoda Indl. Estate	Water & Air Consent Renewal
11.	M/s Glenmark Pharmaceuticals Ltd. – Kundaim Indl. Estate	NOC
12.	M/s Timblo Enterprises, Caurem Iron Ore Beneficiation Plant - Sanguem	Water Consent Renewal
13.	M/s Hi-Tech Press Tools – Kundaim Indl. Estate	NOC
12.	M/s Rizwan Ahmed – Karaswada	NOC
13.	M/s Penguin Alcohols Pvt. Ltd.- Canacona Indl. Estate	Extension of validity under Water & Air Act
14.	M/s Bhagawati Metal Trust – Ponda	Air Consent Renewal
15.	M/s DPC Motors Pvt. Ltd - Porvorim	Hazardous Waste Authorisation renewal
16.	M/s Motiff Laboratories Pvt. Ltd – Bethora Indl. Estate	Hazardous Waste Authorisation renewal

**Table 1-m**

The following applications were approved in pursuance of the recommendations made at the 44<sup>th</sup> meeting of the technical committee held on 12/07/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Sesa Goa Ltd –Metcoke Division, Stamp Charging– Bicholim	Water & Air Consent New
2.	M/s Shivsamarth Motoriders Pvt Ltd – Mapusa	Water Consent Renewal
3.	M/s Alcon Co. Pvt Ltd - Surla	Water Consent New
4.	M/s Barbosa Villas – Velsao	NOC
5.	M/s DPC Motors Pvt Ltd – Porvorim	Water Consent Renewal
6.	M/s V. M. Salgaoncar & Bro Pvt Ltd, Dry Screening & Loading Facility – Vagus	Water Consent Renewal
7.	M/s Nestle India Ltd – Usgaon Indl Estate	NOC for Baking Oven
8.	M/s Nestle India Ltd – Usgaon Indl Estate	Air Consent Renewal
9.	M/s Procter & Gamble Hygiene & Healthcare India Ltd – Kundaim Indl. Estate	NOC for new line & D.G. Set
10.	M/s Majorda Beach Resort. – Majorda	Water & Air Consent Renewal

11.	M/s Sea Queen Beach Resort - Betalbatim	Air Consent New
12.	M/s Creative Packs Inc – Kundaim Indl. Estate	NOC
13.	M/s Hotel – Candolim (Expansion)	NOC
12.	M/s Acoustic Components - Tuem Indl. Estate	Water Consent New
13.	M/s Pentair Water India Ltd – Verna Indl. Estate	Renewal of Hazardous Waste Authorisation

**Table 1-n**

The following applications were approved in pursuance of the recommendations made at the 45<sup>th</sup> meeting of the technical committee held on 18/07/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s Nestle India Ltd – Usgaon Indl Estate	Water Consent Renewal
2.	M/s Essel Pro Pack Ltd. – Kundaim Indl. Estate	Water Consent Renewal
3.	M/s Suresh Workshop – Dauji, Old Goa	NOC
4	M/s Hitek Brass Product Pvt. Ltd. – Kundaim Indl. Estate	NOC
5	M/s Hotel Leela Venture Ltd. - Mobor	Water Consent Renewal
6	M/s Pralshar Bio Products Pvt. Ltd. – Kakoda Indl. Estate	Water & Air Consent New
7	M/s Sai Hotels & Resorts (Graciano cottages) –Colva	Water Consent New
8.	M/s Eagle Ice Plant – Sancoale Indl. Estate	NOC
9.	M/s Mahindra Holidays & Resorts India Pvt.Ltd.Varca	Water Consent Renewal
10.	M/s RMC Readymix India Pvt. Ltd. – Sancoale Indl. Estate	Water & Air Consent New
11.	M/s Orions – Verna Indl. Estate	Water Consent New
12.	M/s Sea Queen Beach Resorts Pvt. Ltd. - Betalbatim	Water Consent Renewal
13.	M/s Vippro Industries – Kolhapur	Hazardous Waste Authorisation

**Table 1-o**

The following applications were approved in pursuance of the recommendations made at the 46<sup>th</sup> meeting of the technical committee held on 25/07/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1.	M/s V.G. Quenim, Pilot Plant for Ore Beneficiation - Sonshi	NOC
2.	M/s Syngenta India Ltd. – Corlim	NOC for addl. product
3.	M/s Syngenta India Ltd. – Corlim	NOC for addl. product
4	M/s Syngenta India Ltd. – Corlim	NOC for D.G. Set
5	M/s Antonetto John A. D'souza – Calangute	NOC
6	M/s Waigankar Engineering – Cuncolim Indl. Estate	NOC
7	M/s Ram Lakhani Traders – Margao Indl. Estate	NOC
8	M/s Sneha Polymers – Madkai Indl. Estate	NOC
9	M/s Teracom Pvt. Ltd. – Kundaim Indl. Estate	NOC for addl. product
10	M/s Sharayu Automobiles – Kesarval, Cortalim	NOC for ETP
11	M/s Dabson Enterprises – Kundaim Indl. Estate	Water & Air Consent New
12	M/s Acoustic Components - Tuem Indl. Estate	Air Consent New
13	M/s Pliva Research (India) Ltd. - Corlim	Water & Air Consent New
14	M/s M.R. Engineering – Tivim Indl Estate	Air Consent Renewal

15	M/s Standard Transformers Pvt. Ltd. – Canacona Indl Estate	Water Consent Renewal
16	M/s Sharayu Automobiles – Kesarval, Cortalim	Hazardous Waste Authorisation

**Table 1-p**

The following applications were approved in pursuance of the recommendations made at the 47<sup>th</sup> meeting of the technical committee held on 01/08/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Fiemench Perfumes (India) Pvt. Ltd., Kundaim Indl. Estate	NOC for expansion
2	M/s Shamrug Plast, Ribandar	NOC
3	M/s Mario Valadares, Ave Miriam, Verna	NOC
4	M/s Shree Sai Damodar Flour Mill, Vasco-da-Gama	NOC
5	M/s Rege Traders, Mapusa	NOC
6	M/s Mandovi Ore Carriers, Sancoale	NOC
7	M/s Rukminirama Steel Rollings Pvt. Ltd., Cuncolim Indl. Estate	Water and Air Consent New
8	M/s Merck Ltd., Usgao, Ponda	Water Consent Renewal
9	M/s Delta Technologies, Ponda	Water Consent New
10	M/s Overseas Beverages Pvt. Ltd., Honda Indl. Estate	Water Consent Renewal
11	M/s Vijai Marine Services, Loutolim	Hazardous Waste Authorisation
12	M/s. Kaisare Eye and Dental Hospital	Bio Medical Waste Authorisation

**Table 1-q**

The following applications were approved in pursuance of the recommendations made at the 48<sup>th</sup> meeting of the technical committee held on 08/08/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Cipla Ltd. – Verna Indl. Estate	NOC for boiler
2	M/s Ocean Bio Tech Corporation – Kundaim Indl. Estate	NOC
3	M/s Larsen & Toubro Ltd. - Sancoale	NOC
4	M/s Ratiopharm India Pvt. Ltd. – Verna Indl. Estate	NOC for boiler
5	M/s Shree Balaji Marble & Granite – Cuncolim Indl. Estate	NOC
6	M/s Pereira Rice Mills – Majorda	NOC
7	M/s Advani Hotel & Resort (I) Ltd. (Ramada Beach Resort) - Varca	NOC for D.G sets
8	M/s Cartini India Ltd. – Madkai Indl. Estate	Water and Air Consent Renewal
9	M/s Suraj Diamonds & Jewellery Ltd. – Tivim Indl. Estate	Water Consent Renewal
10	M/s Suraj Diamonds & Jewellery Ltd. – Tivim Indl. Estate	Air Consent New
11	M/s Gulf Goans Hotel Company Ltd. (Hotel Goan	Water Consent Renewal



	Heritage) - Calangute	
12	M/s Averina International Resorts Ltd. - Cavelossim	Water Consent Renewal
13	M/s Golden Peace Hotels & Resorts Pvt. Ltd. (Hotel Majestic) – Porvorim	Air Consent Renewal
14	M/s Excel Glazing Systems Pvt. Ltd. – Bicholim Indl. Estate	Water & Air Consent New
15	M/s Syngenta India Ltd. – Corlim	Water & Air Consent New
16	M/s V.S. Dempo & Co. Ltd., Surla Mine Beneficiation Plant - Bicholim	Air Consent Renewal
17	M/s Devanshu Industries – Bicholim	Water & Air Consent New
18	M/s Motiff Laboratories Pvt. Ltd. – Bethora Indl. Estate	Water Consent Renewal
19	M/s John Distilleries Ltd. – Cuncolim Indl. Estate	Water Consent Renewal
20	M/s Goa Bottling Co. Ltd. – Arlem	Hazardous Waste Authorisation
21	M/s Gulam e Gaus - Colvale	Hazardous Waste Authorisation
22	M/s Madras Auto Service – Margao	Renewal of Hazardous Waste Authorisation

**Table 1-r**

The following applications were approved in pursuance of the recommendations made at the 49<sup>th</sup> meeting of the technical committee held on 16/08/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Peter Engineering Works. – Utorda	NOC
2	Shree Bhavani Minerals– Kothumbi-Bicholim	NOC
3	M/s Shashi Arjun Kalro. – Corlim Indl Estate	NOC
4	M/s Varadlaxmi Cashew Industries. – Shiroda	NOC
5	M/s Grand Organics Pvt Ltd – Bicholim Indl. Estate	NOC
6	M/s D.B. Bandodkar & Sons Pvt Ltd (Beneficiation plant) – Kothambi	Air Consent Renewal
7	M/s Kundil Ispat Ltd- Usgaon	Air Consent Renewal
8	M/s Amey Industries. – Kakoda Indl. Estate	Water Consent New
9	M/s. Vijai Marine Services- Rassaim	Water and Air Consent new
10	M/s Vistar Wheels Pvt Ltd. – Panaji	HW Authorisation Renewal
11	M/s Fort Aguada Beach Resort - Sinquerim	HW Authorisation Renewal
12	M/s Hindustan Petroleum Corporation Ltd – Vasco da-Gama	HW Authorisation Renewal
13	M/s Golden Peace Hotels & Resorts Pvt Ltd (The Majestic) – Porvorim	HW Authorisation new
14	M/s. Goa Glass Fibre Ltd-Colvale	Bio-Medical Waste Authorisation new

**Table 1-s**

The following applications were approved in pursuance of the recommendations made at the 50<sup>th</sup> meeting of the technical committee held on 22/08/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Plastic Export Zundert (I) Pvt. Ltd. – Verna Indl.	NOC for shifting of premises



	Estate	
2	M/s Total Packaging – Corlim Indl. Estate	NOC
3	M/s Unichem Labs Ltd. – Pilerne Indl. Estate	NOC for expansion of QC Lab
4	M/s Unichem Labs Ltd. – Pilerne Indl. Estate	NOC for Bio Science Centre
5	M/s Sika India Pvt. Ltd. – Verna Indl. Estate	NOC for D.G. Set
6	M/s Sanika Enterprises – Kundaim Indl. Estate	NOC
7	M/s Maruti Enterprises – Mapusa Indl. Estate	NOC
8	M/s Duraline India Pvt. Ltd – Sancoale Indl. Estate	NOC
9	M/s Silver Sands Holiday Resorts – Candolim	Water & Air Consent New
10	M/s Pereira Rice Mills – Majorda	Water Consent New
11	M/s Siddharth Chemicals – Kundaim Indl. Estate	Water Consent Renewal
12	M/s Goa Glass Fibre Ltd. – Colvale	Water Consent Renewal

**Table 1-t**

The following applications were approved in pursuance of the recommendations made at the 51<sup>st</sup> meeting of the technical committee held on 05/09/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Sanofi – Synthelabo (India) Ltd. – Verna Indl. Estate	NOC for Formulation Development Centre
2	M/s Monteiro Distilleries – Dignem, Verna	NOC
3	M/s Shobha Auto Parts Mfg. Co. – Honda Indl. Estate	NOC
4	M/s Plasticon – Pilerne Indl. Estate	NOC
5	M/s Trishul Enterprises – Ponda	NOC
6	M/s Anandeya Zinc Oxides Pvt. Ltd. – Sancoale Indl. Estate	NOC for additional machinery
7	M/s Vainguinim Valley Resort – Dona Paula	NOC for new STP
8	M/s Vainguinim Valley Resort – Dona Paula	Water & Air Consent New
9	M/s N.S. Narvekar, Dry Screening Plat at Kalay Mine – Sanguem	Air Consent New
10	M/s ONGC Ltd. – Betul	Air Consent New
11	M/s Aparant Iron & Steel Pvt. Ltd. – Sanguem	Water Consent Renewal
12	M/s Aparant Iron & Steel Pvt. Ltd. – Sanguem	Air Consent Renewal
13	M/s Chowgule & Co. Ltd, Sirigao Mine – Bicholim	Water Consent Renewal
14	M/s V.D. Chowgule & Co. Ltd, Vaguriem Mine - Pissurlem	Water Consent Renewal
15	M/s V.M. Salgaocar & Bro. Pvt. Ltd., Sancordem-Malpona Mine - Sanguem	Water Consent Renewal
16	M/s V.M. Salgaocar & Bro. Pvt. Ltd., Velguem Mine - Bicholim	Water Consent Renewal
17	M/s V.M. Salgaocar & Bro. Pvt. Ltd., Sigao Mine - Sanguem	Water Consent Renewal
18	M/s Raghuvir Sinai Gharse, Cudnem Mine - Bicholim	Water Consent Renewal
19	M/s D-Link (India) Ltd. – Verna Indl. Estate	Water Consent Renewal
20	M/s Diebold India Pvt. Ltd. – Tivim Indl. Estate	Water Consent Renewal
21	M/s Diebold India Pvt. Ltd. – Tivim Indl. Estate	Air Consent Renewal
22	M/s Gemini Distilleries Pvt. Ltd. – Sancoale Indl. Estate	Water Consent Renewal
23	M/s Diebold India Pvt. Ltd., Tivim Indl. Estate	HW Authorisation new
24	M/s Anandeya Zinc Oxides Pvt. Ltd., Sancoale Indl. Estate	HW Authorisation new

25	M/s Silver Sands Holiday Village, Candolim	HW Authorisation new
26	M/s Topline Writing Instruments Pvt. Ltd., Verna Indl. Estate	HW Authorisation new

**Table 1-u**

The following applications were approved in pursuance of the recommendations made at the 52<sup>nd</sup> meeting of the technical committee held on 12/09/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Suraj Diamonds & Jewellery Industries – Tivim Indl. Estate	NOC for expansion and ETP
2	M/s Goa Cold Storage Pvt. Ltd. – Pernem	NOC
3	M/s Crompton Greaves Ltd. – Bethora Indl. Estate	NOC
4	M/s Mahavir Maa Durga Enterprises – Bethora	NOC
5	M/s Malikarjun Industry – Assolda	NOC
6	M/s Ram Bricks – Canacona	Air Consent New
7	M/s Pandurongo Timblo Industries – Capxem, Ponda	Water & Air Consent New
8	M/s Chowgule & Co. Ltd, Tudou Mine - Sanguem	Water Consent Renewal
9	Smt. Ahiliabai Sardessai, Kirlapale Mine - Sanguem	Water Consent Renewal
10	M/s V. S. Dempo & Co. Pvt. Ltd., Surla-Sonshi Mine - Bicholim	Water Consent Renewal
11	M/s V. S. Dempo & Co. Pvt. Ltd., Curpem Mine - Sanguem	Water Consent Renewal
12	M/s V. S. Dempo & Co. Pvt. Ltd., Dudhal Mine - Sanguem	Water Consent Renewal
13	M/s V. S. Dempo & Co. Pvt. Ltd., Colomba Mine - Sanguem	Water Consent Renewal
14	M/s V. S. Dempo & Co. Pvt. Ltd., Surla Mine Beneficiation Plant - Bicholim	Water Consent Renewal
15	M/s Dempo Mining Corporation Pvt. Ltd., Bicholim Mine - Bicholim	Water Consent Renewal
16	M/s Atchuta Velingkar, Sancordem Mine - Sanguem	Water Consent Renewal
17	M/s Noor Mohammed Abdul Karim, Oiterio Divodgal Mine - Sanguem	Water Consent Renewal
18	M/s Badruddin H. Mavani, Nomoxitembo de Caurem Mine - Sanguem	Water Consent Renewal
19	M/s Chadrakant Fondu Naik, Godbaim Ou Cutiem Curpem Mine - Sanguem	Water Consent Renewal
20	Smt. Kunda R. S. Gharse, Tollem Group of Mines - Sanguem	Water Consent Renewal
21	M/s R. R. Painguinkar, Chiraband e Vall Mine – Sanguem	Water Consent Renewal
22	M/s Berta de Rego Fernandes, Mortegal Mordi Mine – Sanguem	Water Consent Renewal
23	M/s Aleixo Manuel C. P. Da Costa, Sem Denominacao Especial Patiem Mine - Sanguem	Water Consent Renewal
24	M/s Sesa Goa Ltd., Codli Mine - Sanguem	Water Consent Renewal
25	M/s G. N. Agarwal, Bimbol Mine, Sanguem	Water Consent Renewal
26	M/s Sharayu Automobiles – Kesarval, Cortalim	Water Consent Renewal
27	M/s Tata Consultancy Services Ltd. – Tivim Indl. Estate	Air Consent Renewal
28	M/s Kamat Holiday Homes Pvt. Ltd. – Calangute	Air Consent Renewal
29	M/s Shirdi Steel Re-Rollers Pvt. Ltd. – Cuncolim Indl.	Air Consent Renewal

	Estate	
--	--------	--

## CRUSHERS

30	M/s R. K. Crushing Industries – St. Jose de Areal	Air Consent Renewal
31	M/s Deodita Stone Crusher – Sanguem	Air Consent New
32	M/s Permos Stone Crusher – St. Jose de Areal	Air Consent New
33	M/s Ritesh Aggregates – Ponda	Air Consent Renewal
34	M/s Shantadurga Damodar Industries – Quepem	Air Consent Renewal
35	M/s Mauli Gram Vikas Society – Pernem	Air Consent Renewal
36	M/s Mallikarjun Crushing Industry – Canacona	Air Consent Renewal
37	M/s Raj Metal Quarry - Bicholim	Air Consent Renewal
38	M/s Nanu Industries – Margao	Air Consent New
39	M/s Tibna Metal Industries – Chinchinim	Air Consent Renewal
40	M/s Shankar Metal Quarry Industries – Cuncolim	Air Consent Renewal
41	M/s Goa Granite – Chinchinim	Air Consent Renewal
42	M/s Brahmini Granites – Pernem	Air Consent Renewal
43	M/s Wiscon Granites – Chinchinim	Air Consent Renewal
44	M/s Furtados – Navelim	Air Consent Renewal
45	M/s J. R. Metal Works – Pernem	Air Consent Renewal
46	M/s Jyoti Industries – Navelim	Air Consent Renewal
47	M/s Jairaj Industries – Quepem	Air Consent Renewal
48	M/s R. T. Metal Works – Ponda	Air Consent Renewal
49	M/s Mangurish Industries – Sanguem	Air Consent New
50	M/s Avi Metals – Sanguem	NOC
51	M/s Five Star Granites – Pernem	Air Consent New
52	M/s Kamat Metal Industries – St. Jose de Areal	Air Consent Renewal
53	M/s Joma Metal Industries – St. Jose de Areal	Air Consent Renewal
54	M/s S. Kumar Metal – Pernem	Air Consent New
55	M/s Gauri Enterprises – St. Jose de Areal	Air Consent Renewal
56	M/s Ritesh Stone Crusher – Ponda	Air Consent Renewal
57	M/s Reliance Energy Ltd., Zuarinagar	HW Authorization Renewal

**Table 1-v**

The following applications were approved in pursuance of the recommendations made at the 53<sup>rd</sup> meeting of the technical committee held on 19/09/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Berger Becker Coatings Pvt. Ltd. – Pilerne Indl. Estate	NOC for expansion
2	M/s Andrew Telecommunications India Pvt. Ltd. Verna Indl. Estate	NOC
3	M/s Laxmi Engineering – Pernem	NOC
4	M/s Royal Enterprises – Margao Indl. Estate	NOC
5	M/s Asphalt Machineries & Equipments Pvt. Ltd. Pernem	NOC for expansion
6	M/s Alcon Cement Company Ltd. – Bicholim	NOC for jetty
7	M/s Plastic Export Zundert (I) Pvt. Ltd. – Verna Indl. Estate	Water Consent New
8	M/s Kamacom Systems Pvt. Ltd. – Bainguinim	Water Consent New
9	M/s U.P. Fabricators - Verla	Air Consent New
10	M/s Kundil Rolling Mills Pvt. Ltd. – Kundaim Indl. Estate	Water Consent Renewal
11	M/s Bandodkar & Sons Pvt. Ltd., Kotambi	Water & Air Consent

	Beneficiation Plant - Bicholim	Renewal
12	M/s Advani Hotel & Resort (I) Ltd. (Ramada Beach Resort) - Varca	Air Consent New
13	M/s Advani Hotel & Resort (I) Ltd. (Ramada Beach Resort) - Varca	Water Consent Renewal
14	M/s Indoco Remedies Ltd. – Verna Indl. Estate	Air Consent Renewal
15	M/s Indoco Remedies Ltd. – Verna Indl. Estate	Water Consent Renewal
16	M/s Goa Bottling Company Ltd. – Arlem, Raia	Air Consent Renewal
17	M/s Goa Bottling Company Ltd. – Arlem, Raia	Water Consent Renewal
18	M/s Kamat Holiday Homes Pvt. Ltd. – Calangute	Water Consent Renewal
19	M/s De Souza Hotels Resorts (Sun Village) - Arpora	Air Consent Renewal
20	M/s Foures Metal Industries – Saleli	Air Consent New
21	M/s Madhav Rameshwar Industries – Dhavali, Ponda	Air Consent New
22	M/s Kamdhenu Industries – Saleli	Air Consent New
23	M/s Crompton Greaves Ltd., Kundaim Indl. Estate	Hazardous Waste Authorisation
24	M/s Tata Consultancy Services Ltd., Tivim Indl. Estate	Hazardous Waste Authorisation
25	M/s Syngenta India Ltd., Corlim	Hazardous Waste Authorisation

**Table 1-w**

The following applications were approved in pursuance of the recommendations made at the 54<sup>th</sup> meeting of the technical committee held on 26/09/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Mahalasa Chem Pvt. Ltd. – Bethora Indl. Estate	NOC for change in location
2	M/s Veronik Micronutrients Pvt. Ltd. – Tuem Indl. Estate	NOC
3	M/s Executive Engineer Works Division III (PHE) – St. Inez	NOC for expansion of STP
4	M/s Shantadurga Metal Industries – Sattari	NOC
5	M/s Mahalasa Durga Engineering Services – Vasco-da-Gama	NOC
6	M/s Syngenta India Ltd. – Corlim	NOC for replacement of boiler stack
7	M/s Colorcon Asia Pvt. Ltd. – Verna Indl. Estate	NOC for expansion
8	M/s Murasit Bauchemie (Goa) Pvt. Ltd. – Cuncolim Indl. Estate	NOC
9	M/s P.V. Flour mill - Borim	Air Consent New
10	M/s Zuari Indian Oil Tanking Ltd. - Zuarinagar	Water Consent New
11	M/s De Souza Hotels Resort (Sun Village) - Arpora	Water Consent New
12	M/s Duraline India Pvt. Ltd – Sancoale Indl. Estate	Water & Air Consent New
13	M/s McDowell & Company Ltd. and United Breweries Ltd. - Bethora	Water Consent Renewal
14	M/s McDowell & Company Ltd. and United Breweries Ltd. - Bethora	Air Consent Renewal
15	M/s Greater Ferro Met – Sanguem	Water Consent Renewal
16	M/s Guala Closures (India) Pvt. Ltd. - Sanquelim	Air Consent Renewal
17	M/s Hotel Leela Ventures Ltd. (The Leela Palace) – Cavelossim	Air Consent Renewal
18	M/s Starflex Sealing India Pvt. Ltd. – Verna Indl.	Air Consent Renewal

	Estate	
19	M/s Sika India Pvt. Ltd. – Verna Indl. Estate	Water & Air Consent Renewal
20	M/s Sesa Goa Ltd. – Codli Mine Beneficiation Plant – Sanguem	Air Consent Renewal
21	M/s Timblo Pvt. Ltd., Dignem Mine – Bicholim	Water Consent Renewal
22	M/s Cosme Costa & Sons Pvt. Ltd., Sonshi Mine – Bicholim	Air Consent Renewal
23	M/s Cosme Pharma Ltd. – Bicholim	Hazardous Waste Authorisation
24	M/s Cosme Remedies Ltd. – Betim	Hazardous Waste Authorisation
25	M/s Mandovi Pellets – Shiroda	Hazardous Waste Authorisation
26	M/s Duraline India Pvt. Ltd. – Sancoale Indl. Estate	Hazardous Waste Authorisation

**Table 1-x**

The following applications were approved in pursuance of the recommendations made at the 55<sup>th</sup> meeting of the technical committee held on 03/10/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Kirti Marine Industry – Sancoale Indl. Estate	NOC
2	M/s Verchuren Resorts & Construction Pvt. Ltd. – Baga, Arpora	NOC
3	M/s Cipla Ltd. – Verna Indl. Estate	NOC for D. G. Set
4	M/s Shree Navadurga Agro Oil Industries – Bicholim Indl. Estate	Water & Air Consent New
5	M/s Timblo Dry Docks Pvt. Ltd. – Quepem	Water Consent New
6	M/s Sesa Industries Ltd. – Pig Iron Plant – Amona	Water & Air Consent Renewal
7	M/s Sesa Goa Ltd. – Codli Mine Beneficiation Plant – Sanguem	Water Consent Renewal
8	M/s Hindustan Petroleum Corporation Ltd. – Vasco-da-Gama	Air Consent Renewal

**Table 1-y**

The following applications were approved in pursuance of the recommendations made at the 56<sup>th</sup> meeting of the technical committee held on 11/10/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Jolly Metals – Paroda	NOC
2	M/s Shalini Metals – Ibrampur	NOC
3	M/s KBS Associates – Ibrampur	NOC
4	M/s Tulip Diagnostics Pvt. Ltd. – Verna Indl. Estate	NOC for additional product
5	M/s Rege Traders – Mapusa	Air Consent New
6	M/s Vassantram Metha & Co. Pvt. Ltd. – Kotumbi	Water Consent New
7	M/s Chowgule & Co. Ltd, Washing Plant I – Bicholim	Air Consent Renewal
8	M/s Chowgule & Co. Ltd, Washing Plant II - Bicholim	Air Consent Renewal
9	M/s Chowgule & Co. Ltd, Dry Screening Plant –	Air Consent Renewal

	Bicholim	
10	M/s Chowgule & Co. Ltd, Crusher cum Screening Plant – Bicholim	Air Consent Renewal
11	M/s Aldeia Santa Rita Resorts – Candolim	Air Consent Renewal
12	M/s Colorcon Asia Pvt. Ltd. – Verna Indl. Estate	Hazardous Waste Authorisation
13	M/s Beiersdorf India Pvt. Ltd. – Ponda	Hazardous Waste Authorisation

**Table 1-z**

The following applications were approved in pursuance of the recommendations made at the 57<sup>th</sup> meeting of the technical committee held on 17/10/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Isani Virani Hotels Pvt. Ltd. (Hotel Mayura) – Mapusa	NOC
2	M/s Meta Copper & Alloys Ltd. – Zuarinagar	NOC for D.G. Set
3	M/s Infrastructure Logistics Pvt. Ltd. – Bicholim	NOC
4	M/s G.K. Plastics – Bethora	NOC
5	M/s Cipla Ltd. – M-61-63, Verna Indl. Estate	Air Consent New
6	M/s Cipla Ltd. – L-147, Verna Indl. Estate	Air Consent New
7	M/s. Aakaash Manufacturing Co. Pvt. Ltd. – Margao Indl. Estate	Water & Air Consent New
8	M/s. Excel Prints & Packs – Tivim Indl. Estate	Water Consent New
9	M/s. Indian Plastic – Bicholim Indl. Estate	Water Consent New
10	M/s. Jutex Packaging Pvt Ltd - Sancoale Indl Estate	Water Consent New
11	M/s. Laminex - Sancoale Indl Estate	Water Consent New
12	M/s. Jutex - Sancoale Indl Estate	Water Consent New
13	M/s. Plastex Containers (Goa) Pvt Ltd - Sancoale Indl Estate	Water Consent New
14	M/s Chowgule & Co. Ltd, Washing Plant II - Bicholim	Water Consent Renewal
15	M/s Chowgule & Co. Ltd, Washing Plant I - Bicholim	Water Consent Renewal
16	M/s Ramacanta Velingkar – Dharbandora Beneficiation Plant – Sanguem	Water Consent Renewal
17	M/s. D-Link (India) Ltd, Verna Electronic City	Water & Air Consent Renewal
18	M/s Fomento Resorts & Hotels Ltd. (Cidade de Goa Beach Resort) – Vainguinim	Water Consent Renewal
19	M/s Whispering Palms Beach Resort - Candolim	Water Consent Renewal
20	M/s. Ciba Speciality Chemicals (India) Ltd. – Corlim	Air Consent Renewal
21	M/s. Mandovi Castings Pvt. Ltd. – Kundaim Indl. Estate	Water & Air Consent Renewal
22	M/s Goa Paints & Allied Products Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
23	M/s Pliva Research India Pvt. Ltd. – Corlim	Hazardous Waste Authorisation
24	M/s Pliva Research India Pvt. Ltd. – Corlim	Bio Medical Waste Authorisation

**Table 1-aa**



The following applications were approved in pursuance of the recommendations made at the 58<sup>th</sup> meeting of the technical committee held on 24/10/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Quali Pro Industries – Tuem Indl. Estate	NOC for additional product
2	M/s Zuari Industries Ltd, MPT – Vasco	Approval under The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 for putting up 6500 KL Phosphoric Acid Tank at their existing Phosphoric Acid Terminal.
3	M/s Kalpataru Industries - Madkai Indl. Estate	NOC
4	M/s Vassantram Metha & Co. Pvt. Ltd. – Kotumbi	Air Consent New
5	M/s. Sunrise Electromelt Ltd, Cuncolim Indl. Estate	Water Consent New
6	M/s. S.S. Engineering Co. – Cuncolim Indl. Estate	Air Consent New
7	M/s. Hitek Brass Products Pvt. Ltd. – Kundaim Indl. Estate	Water & Air Consent New
8	M/s Starflex Sealing India Pvt. Ltd. – Verna Indl. Estate	Water Consent Renewal
9	M/s Silica Sand Industry – Ponda	Water Consent Renewal
10	M/s The Old Anchor – Cavelossim	Water Consent Renewal
11	M/s. Shraddha Ispat Pvt. Ltd. – Sanguem	Water & Air Consent Renewal
12	M/s Srithik Ispat Pvt. Ltd. – Sanguem	Operation of Unit
13	M/s Nicomet Industries Ltd. –Cuncolim Indl. Estate	Removal of Seal
14	M/s Rukminirama Steel Rolling Pvt. Ltd., Melting Division – Cuncolim Indl. Estate	Removal of Seal
15	M/s Puja Ferro Alloys – Cuncolim Indl. Estate	Removal of Seal
16	M/s Maa Durga Enterprises Ltd. – Cuncolim Indl. Estate	Operation of Unit
17	M/s Shri. Balaji Rollings Pvt. Ltd. – Cuncolim Indl. Estate	Operation of Unit
18	M/s Rukminirama Steel Rolling Pvt. Ltd., Melting Division – Cuncolim Indl. Estate	Operation of Unit
19	M/s Prince Multiplast Pvt. Ltd. – Verna Indl. Estate	Hazardous Waste Authorisation
20	M/s Centaur Pharmaceuticals Pvt. Ltd. – Tivim Indl. Estate	Hazardous Waste Authorisation
21	M/s Toyo Laboratories Pvt. Ltd. – Ponda	Hazardous Waste Authorisation
22	M/s Taj Holiday Village – Sinquerim	Hazardous Waste Authorisation
23	M/s IPSHEM, ONGC – Betul	Hazardous Waste Authorisation

**Table 1-ab**

The following applications were approved in pursuance of the recommendations made at the 59<sup>th</sup> meeting of the technical committee held on 31/10/06

Sr	Name of the unit & location	Application cleared for
----	-----------------------------	-------------------------

No		
1	M/s Sri Bhavani Engineering – Verna Indl. Estate	NOC
2	M/s Sanchita Steels – Madkai Indl. Estate	NOC
3	M/s Zuari Shipyard Pvt. Ltd. – Shiroda	NOC
4	M/s Y.N. Shanbhag – Verna Indl. Estate	NOC
5	M/s Cosmos Premises Pvt. Ltd. – Utorda	NOC for hot water generator & D.G. Set
6	M/s Tangerine Hotels Pvt. Ltd. – Candolim	Water & Air Consent New
7	M/s Excel Closures – Mapusa Indl. Estate	Water Consent New
8	M/s Kundil Ispat Ltd- Usgaon	Water Consent New
9	M/s. Larsen & Toubro Ltd., RMC Plant – Zuarinagar	Water & Air Consent New
10	M/s. Mandovi Pellets – Shiroda	Water & Air Consent New
11	M/s Phoenix Park Inn Resort. – Candolim	Water & Air Consent New
12	M/s SICGIL India Ltd. – Zuarinagar	Water & Air Consent Renewal
13	M/s Silver Spring Resorts Pvt. Ltd. – Varca	Water & Air Consent Renewal
14	M/s VIC Industries Pvt. Ltd. – Pissurlem Indl. Estate	Water Consent Renewal
15	M/s Esteem Industries Pvt. Ltd. – Pissurlem Indl. Estate	Water Consent Renewal
16	M/s Sesa Goa Ltd. – Amona Beneficiation Plant – Bicholim	Water & Air Consent Renewal
17	M/s GKB Ophthalmics. – Tivim Indl. Estate	Water Consent Renewal
18	M/s Roquedal Lubricants Pvt. Ltd. – Cuncolim Indl. Estate	Operation of the unit
19	M/s South West Port Ltd. – Mormugao	Hazardous Waste Authorisation
20	M/s Dragon Ink – Calangute	Bio-Medical Waste Authorisation

**Table 1-ac**

The following applications were approved in pursuance of the recommendations made at the 60<sup>th</sup> meeting of the technical committee held on 07/11/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Roots Corporation Ltd, (Hotel Ginger) – Panaji	NOC for expansion
2	M/s. Glenmark Pharmaceuticals Ltd, Kundaim Indl. Estate	Water & Air Consent New
3	M/s Sunrise Flour mill & Rice mill - Chandor	Air Consent New
4	M/s Kasar Cashew Industry – Sattari	Air Consent New
5	M/s Cosme Bio-tech Pvt. Ltd. – Bicholim	Air Consent New
6	M/s Sunrise Flour mill – Davorlim	Air Consent New
7	M/s Novacem Pavers & Allied Products – Margao Indl. Estate	Water Consent New
8	M/s Prafulla Hede, Godcavadea Jawalachem Upor Nagoni Mine – Sanguem	Water Consent Renewal
9	M/s Mandovi Lime Industries – Cuncolim Indl. Estate	Air Consent Renewal
10	M/s Alcon Cement Co. Pvt Ltd - Surla	Air Consent Renewal
11	M/s. Sunrise Zinc Ltd – Cuncolim Indl Estate	Extension of electricity supply for 7 days for safe and systematic shutting down of operations



**Table 1-ad**

The following applications were approved in pursuance of the recommendations made at the 61<sup>st</sup> meeting of the technical committee held on 16/11/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Lotlikar & Co. – Madkai Indl. Estate	NOC
2	M/s V.M. Salgaocar & Bro. Pvt. Ltd., Mobile Screening & Crushing Plant - Pale	NOC
3	M/s ONGC Ltd. – Betul	Water Consent New
4	M/s Sociedade Timblo Irmaos Ltda. – Beneficiation Plant of Bondra Advona Iron Ore Mine – Sanguem	Water & Air Consent New
5	M/s Fluidmac – Kakoda Indl. Estate	Water Consent New
6	M/s Albright Aluminium Industries – Honda Indl. Estate	Water Consent New
7	M/s Cosme Bio-tech Pvt. Ltd. – Bicholim	Water Consent New
8	M/s High Hill Rocks – Chinchinim	Air Consent New
9	M/s Emco Goa Pvt. Ltd, Capxem barge loading facility – Sanvordem	Water & Air Consent New
10	M/s Goa Thermopack Pvt. Ltd. – Verna Indl. Estate	Water & Air Consent New
11	M/s Tungvidya Slitters Pvt. Ltd. – Verna Electronic City	Water & Air Consent New
12	M/s. Sai Tyre Remoulding – Quepem	Air Consent New
13	M/s Intercontinental, The Grand Resort – Canacona	Water Consent Renewal
14	M/s Kundil Alloys Pvt. Ltd. – Kundaim Indl. Estate	Water Consent Renewal
15	M/s Mandovi Casting Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
16	M/s Kodak India Pvt. Ltd. – Verna Indl. Estate	Hazardous Waste Authorisation
17	M/s Spear Petroleum Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
18	M/s Berger Becker Coatings Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
19	M/s Patel Petro Pvt. Ltd. – Kolhapur	Hazardous Waste Authorisation

**Table 1-ae**

The following applications were approved in pursuance of the recommendations made at the 62<sup>nd</sup> meeting of the technical committee held on 21/11/06

Sr No	Name of the unit & location	Application cleared for
1	M/s John Distilleries Ltd. – Cuncolim Indl. Estate	NOC
2	M/s Murasit Bauchemie (Goa) Pvt. Ltd. – Kundaim Indl. Estate	NOC
3	M/s MC-Bauchemie (I) Pvt. Ltd. – Kundaim Indl. Estate	NOC for shifting
4	M/s Balaji Industries – Sancoale Indl. Estate	NOC
5	M/s Central Fund of the Archdiocese of Goa & Daman – Verna Indl. Estate	NOC
6	M/s Tiger Sheet Metal Works – Corlim Indl. Estate	Air Consent New
7	M/s Samarth Metal – Pernem	Air Consent New

8	M/s Ratiopharm India Pvt. Ltd. – Verna Indl. Estate	Air Consent New
9	M/s Cipla Ltd. – L-139-146, Verna Indl. Estate	Air Consent New
10	M/s Goa Medicare Devices Pvt. Ltd. – Verna Indl. Estate	Water & Air Consent New
11	M/s Vijai Industries – Rassaim	Water Consent New
12	M/s Jyoti Bakery – Navelim	Air Consent New
13	M/s Western India Shipyard Ltd. – Vasco-da-Gama	Water Consent Renewal
14	M/s Simem India Pvt. Ltd. – Kundaim Indl. Estate	Water Consent Renewal
15	M/s Rotek Industries – Verna Indl. Estate	Water Consent Renewal
16	M/s Power Engineering Corporation – Tuem Indl. Estate	Hazardous Waste Authorisation
17	M/s Mahalsa Power Rentals – Tuem Indl. Estate	Hazardous Waste Authorisation
18	M/s Bhobe Clinic – Mapusa	Bio Medical Waste Authorisation

**Table 1-af**

The following applications were approved in pursuance of the recommendations made at the 63<sup>rd</sup> meeting of the technical committee held on 28/11/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Charlie's Bakery - Mapusa	NOC
2	M/s Sumit Pack N Print – Verna Indl. Estate	NOC
3	M/s Country Club India Ltd. – Anjuna	NOC
4	M/s Pam Synthetics – Verna Indl. Estate	NOC
5	M/s Murdeshwar Plastic – Margao Indl. Estate	NOC
6	M/s Rashmi Engineering Works – Bicholim	NOC
7	M/s R.B.S. Candiaparc – Khandepar	Air Consent New
8	M/s Goa Precision Stampings Pvt. Ltd. – Ponda	Water Consent New
9	M/s Sociedade de Formento Industrial Pvt. Ltd. – Barge Loading Facility at Navelim (Jetty No. 1)	Water & Air Consent New
10	M/s Sociedade de Formento Industrial Pvt. Ltd. – Barge Loading Facility at Navelim (Jetty No. 2)	Water & Air Consent New
11	M/s Akshay Enterprises – Ponda	Water Consent Renewal
12	M/s Adhar Precision Industries – Ponda	Water Consent Renewal
13	M/s Pankaj Tiles Industries – Ponda	Water Consent Renewal
14	M/s Amiantit Fibreglass Industries India Pvt. Ltd – Bicholim	Water & Air Consent Renewal
15	M/s Swastik Cement Products & Superstone Industry – Curchorem	Water Consent Renewal
16	M/s Beiersdorf India Pvt. Ltd. – Ponda	Air Consent Renewal
17	M/s Danies Earthmoving Retreads – Cuncolim Indl. Estate	Water Consent Renewal
18	M/s Madhav Rameshwar Industries – Dhavali, Ponda	Extension of validity
19	M/s Mandovi Casting Pvt. Ltd. – Kundaim Indl. Estate	Extension of validity
20	M/s Alcon Cement Company Pvt. Ltd. – Bicholim	Hazardous Waste Authorisation
21	M/s Mohit Steel Industries – Kundaim Indl. Estate	Hazardous Waste Authorisation
22	M/s Taj Exotica – Benaulim	Hazardous Waste

		Authorisation
23	M/s Goa Invescast Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation

**Table 1-ag**

The following applications were approved in pursuance of the recommendations made at the 64<sup>th</sup> meeting of the technical committee held on 05/12/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Jai Bhairavnath Plastic Industry - Pernem	NOC
2	M/s Amiantit Fibreglass Industries India Pvt. Ltd – Bicholim	NOC for additional winder
3	M/s Fernandes Offset Printers – Verna Indl. Estate	NOC
4	M/s A. K. Enterprises – Assolda	NOC
5	M/s Rocha Industries – Cuncolim Indl. Estate	Water Consent New
6	M/s Counto Automobiles Pvt. Ltd. – Porvorim	Water Consent New
7	M/s Bandekar Brothers Pvt Ltd, Mobile Screening Plant – Kottombi, Bicholim	Air Consent New
8	M/s Kamat Real Estate Developers, Hotel Nova Goa – Panaji	Water & Air Consent New
9	M/s Timblo Pvt. Ltd. – Barge Loading Facility at Maina, Bicholim	Water & Air Consent New
10	M/s Damodar Mangalji & Co. Pvt. Ltd. – Barge Loading Facility at Navelim, Bicholim (Jetty No. 1)	Water & Air Consent New
11	M/s Damodar Mangalji & Co. Pvt. Ltd. – Barge Loading Facility at Navelim, Bicholim (Jetty No. 2)	Water & Air Consent New
12	M/s Bandekar Brothers Pvt Ltd, Crusher Screening Plant – Kottombi, Bicholim	Air Consent Renewal
13	M/s Bandekar Brothers Pvt. Ltd, Vibrating Screening Plant – Kottombi, Bicholim	Air Consent Renewal
14	M/s Goa Paints & Allied Products Pvt. Ltd – Kundaim Indl. Estate	Water Consent Renewal
15	M/s Bandekar Brothers Pvt. Ltd – Beneficiation Plant at Kottombi, Bicholim	Water & Air Consent Renewal
16	M/s S. Kumar Metals – Pernem	Extension of validity
17	M/s Damodar Mangalji & Co. Ltd. – Pissurlem Iron Ore Mine	Hazardous Waste Authorisation
18	M/s Ratiopharm India Pvt. Ltd. – Verna Indl. Estate	Hazardous Waste Authorisation
19	M/s Tiger Sheet Metal Works – Corlim	Hazardous Waste Authorisation

**Table 1-ah**

The following applications were approved in pursuance of the recommendations made at the 65<sup>th</sup> meeting of the technical committee held on 12/12/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Teknic Controls – Verna Indl. Estate	NOC
2	M/s Lloyd Industries – Kundaim Indl. Estate	Water Consent New
3	M/s Bandekar Brothers Pvt. Ltd. – Barge Loading Jetty at Kottumbi, Bicholim	Water & Air Consent New

4	M/s Chowgule & Company Ltd. – Barge Loading Jetty at Calvi, Bicholim	Water & Air Consent New
5	M/s Chowgule & Company Ltd. – Barge Loading Jetty at Khazan, Bicholim	Water & Air Consent New
6	M/s Chowgule & Company Ltd. – Barge Loading Jetty at Xelvona, Quepem	Water & Air Consent New
7	M/s Chowgule & Company Ltd. – Central Workshop at Khandepar	Water & Air Consent New
8	M/s Costa Auto Zone – Mapusa Indl. Estate	Water Consent New
9	M/s Nanutel Hotel, Margao	Water Consent Renewal
10	M/s Karthik Industions Ltd. – Kundaim Indl. Estate	Water Consent Renewal
11	M/s United Leadoxide Products – Kundaim Indl. Estate	Water & Air Consent Renewal
12	M/s Indian Oil Corporation Ltd. – Vasco terminal	Water & Air Consent Renewal
13	M/s Anandeya Zinc Oxides Pvt. Ltd. – Sancoale Indl. Estate	Inclusion of additional product
14	M/s Star Engineering Corporation – Panaji	Hazardous Waste Authorisation
15	M/s Mandovi Casting Pvt. Ltd. – Kundaim Indl. Estate	Amendment in Hazardous Waste Authorisation
16	M/s Anandeya Zinc Oxides Pvt. Ltd. – Sancoale Indl. Estate	Inclusion of additional category in Hazardous Waste Authorisation

**Table 1-ai**

The following applications were approved in pursuance of the recommendations made at the 66<sup>th</sup> meeting of the technical committee held on 20/12/06

Sr No	Name of the unit & location	Application cleared for
1	M/s Sateri Rice & Flour Mill – Pernem	NOC
2	M/s Kudroli Constructions Co. Pvt. Ltd – Quepem	NOC
3	M/s Marcos Sealand Services & Adventure Tourism – Verna Indl. Estate	NOC
4	M/s Maheshwari Corporation – Verna Indl. Estate	NOC
5	M/s Karetex Hospitality & laundry Services Pvt Ltd. – Colvale Indl. Estate	NOC
6	M/s Narvekar Flour mill – Vasco-da-Gama	Air Consent New
7	M/s Composite Materials Industries Pvt Ltd – Chicalim	Air Consent New
8	M/s Shakti Bauxite Mine – Betul	Water & Air Consent New
9	M/s D.B. Bandodkar & Sons Pvt Ltd. – Barge Loading Jetty at Tixem, Bicholim	Water & Air Consent New
10	M/s D.B. Bandodkar & Sons Pvt Ltd. – Barge Loading Jetty at Kottumbi, Bicholim	Water & Air Consent New
11	M/s P.D. Kudchadkar – Curchorem	Air Consent New
12	M/s Cosme Costa & Sons, Gaval Sonshi Mine - Bicholim	Water & Air Consent New
13	M/s R.S. Shetye & Bros, Deulem Mine - Pissurlem	Water Consent Renewal
14	M/s Crompton Greaves Ltd – Kundaim Indl Estate	Water Consent Renewal
15	M/s Naveen Distillery – Margao Indl Estate	Water Consent Renewal
16	M/s Ambey Mettalic Ltd. – Pissurlem Indl. Estate	Air Consent Renewal
17	M/s Sunrise Zinc Ltd. – Cuncolim Indl. Estate	Containment for the

		hazardous waste dump
18	M/s Syngenta India Ltd. – Corlim	NOC to recycle KCL
19	M/s Professional Oral Care Products Pvt. Ltd. – Kundaim Indl. Estat	Hazardous Waste Authorisation
20	M/s Indi Pharma Pvt. Ltd. – Bethora Indl. Estate	Hazardous Waste Authorisation
21	M/s Ambey Mettalic Ltd. – Pissurlem Indl Estate	Hazardous Waste Authorisation
22	M/s Bharat Hotels Ltd. – Canacona	Hazardous Waste Authorisation
23	M/s Chowgule Industries Ltd. – Tivim Indl. Estate	Hazardous Waste Authorisation
24	M/s Amiantit Fibreglass Industries India Pvt. Ltd. – Bicholim	Hazardous Waste Authorisation
25	M/s Advanced Oral Care Products Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
26	M/s Shiva Petro-Synth Specialities Ltd. – Maharashtra	Hazardous Waste Authorisation
27	M/s Goa Glass Fibre Ltd. – Colvale	Hazardous Waste Authorisation

**Table 1-aj**

The following applications were approved in pursuance of the recommendations made at the 67<sup>th</sup> meeting of the technical committee held on 27/12/06

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Dasharath Flour Mill – Pernem	NOC
2	M/s Malasa Cement Products – Kakoda Indl Estate	NOC
3	M/s Incon Holdings Pvt. Ltd. – Verna Indl Estate	NOC
4	M/s Samar Industries – Verna Indl Estate	NOC for shifting
5	M/s Goa Sponge & Power Ltd. – Sanguem	NOC for FBC boiler
6	M/s Laxmi Poultry Products – Revora	NOC
7	M/s Reliance Industries Ltd., Cuncolim Mini Depot – Cuncolim Indl Estate	Water & Air Consent New
8	M/s Bala Rice Mill – Pernem	Air Consent New
9	M/s Lupin Ltd. – Verna Indl. Estate	Water & Air Consent New
10	M/s Rukminirama Steel Rollings Pvt. Ltd. – Cuncolim Indl. Estate	Water Consent New
11	M/s Western India Shipyard Ltd. – Mormugao	Air Consent New
12	M/s Goa Rajee Auto Pvt. Ltd. - Nuven	Water Consent New
13	M/s Goa Rajee Auto Pvt. Ltd. - Vasco	Water Consent New
14	M/s Total Packaging – Corlim Indl. Estate	Water Consent New
15	M/s Goa Rajee Auto Pvt. Ltd. - Navelim	Water Consent Renewal
16	M/s Goa Rajee Auto Pvt. Ltd. - Ponda	Water Consent Renewal
17	M/s Funskool (India) Ltd. - Corlim	Water Consent Renewal
18	M/s Ramkrishna Cashew Oil Industry (CNSL Unit) – Sanquelim	Water & Air Consent Renewal
19	M/s Ramkrishna Cashew Oil Industry (Cashew Kernal Unit) – Sanquelim	Water & Air Consent Renewal
20	M/s South West Port Ltd. – Mormugao	Water & Air Consent Renewal
21	M/s West Coast Shipyard – Loutolim	Air Consent Renewal
22	M/s Topline Writing Instrumets Pvt. Ltd. – Verna	Withdrawal of closure

	Electronic City	directions
23	M/s Goa Rajee Auto Pvt. Ltd. – Vasco	Hazardous Waste Authorisation
24	M/s Goa Rajee Auto Pvt. Ltd. – Nuvem	Hazardous Waste Authorisation
25	M/s Goa Rajee Auto Pvt. Ltd. – Navelim	Hazardous Waste Authorisation
26	M/s Goa Rajee Auto Pvt. Ltd. – Ponda	Hazardous Waste Authorisation
27	M/s Srithik Ispat Pvt. Ltd. – Sanguem Indl. Estate	Hazardous Waste Authorisation
28	M/s Arun Industries – Bangalore	Hazardous Waste Authorisation
29	M/s Okasa Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
30	M/s West Coast Ingots Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
31	M/s Karthik Inductions Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
32	M/s Rukminirama Steel Rollings Pvt. Ltd. – Cuncolim Indl. Estate	Hazardous Waste Authorisation

**Table 1-ak**

The following applications were approved in pursuance of the recommendations made at the 68<sup>th</sup> meeting of the technical committee held on 04/01/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Elsteel Modular Products India Pvt. Ltd. – Verna Indl. Estate	NOC
2	M/s Ashok Kumar Yadav Flour Mill – Vasco-da-Gama	NOC
3	M/s Shirdi Steel Re-rollers Pvt. Ltd. – Cuncolim Indl. Estate	NOC for modification of reheating furnace
4	M/s Aerocoach, Unit II – Bethora Indl Estate	NOC
5	M/s Arvind Industries Pvt. Ltd. – Verna Indl Estate	NOC
6	M/s Shree Om Plastic – Madkai Indl Estate	NOC
7	M/s Isani Virani Hotels Pvt. Ltd. (Hotel Mayura) – Mapusa	Water & Air Consent New
8	M/s V.S. Dempo & Co. Pvt. Ltd. – Barge Loading Jetty at Sinori, Bicholim	Water & Air Consent New
9	M/s V.S. Dempo & Co. Pvt. Ltd. – Barge Loading Jetty at Surla Bicholim	Water & Air Consent New
10	M/s Dempo Mining Co. Pvt. Ltd. – Barge Loading Jetty at Sarmonas, Bicholim	Water & Air Consent New
11	M/s V.S. Dempo & Co. Pvt. Ltd. – Barge Loading Jetty at Curchorem	Water & Air Consent New
12	M/s Rajaram N.S. Bandekar & Co. Pvt. Ltd. – Barge Loading Jetty at Khammal, Sanvordem	Water & Air Consent New
13	M/s Anant V. Sarmalkar – Barge Loading Jetty at Sirsaim, Mapusa	Water & Air Consent New
14	M/s Amey Engineers & Printers – Kakoda Indl. Estate	Water Consent New
15	M/s Arshi – Verna Indl. Estate	Water Consent New



16	M/s Syngenta India Ltd. – Corlim	Water Consent New
17	M/s Sanjiv Workshop – Taleigao	Air Consent New
18	M/s Advanced Oral Care Products Pvt Ltd – Kundaim Indl Estate	Air Consent New
19	M/s Adcoat Polychem Pvt. Ltd. – Madkai Indl Estate	Water & Air Consent New
20	M/s Modern Air Conditioning Services – Porvorim	Air Consent Renewal
21	M/s. Ciba Speciality Chemicals (India) Ltd. – Corlim	Water Consent Renewal
22	M/s. IFB Industries Ltd. – Verna Indl. Estate	Water Consent Renewal

**Table 1-al**

The following applications were approved in pursuance of the recommendations made at the 69<sup>th</sup> meeting of the technical committee held on 09/01/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Aakash Fabrication – Parra	NOC
2	M/s Manohar Fabrication & General Works – Siolim	NOC
3	M/s Smitha Metal Pressings – Verna Indl. Estate	NOC
4	M/s Anita Enterprises – Bicholim Indl. Estate	NOC
5	M/s D.D. Engineering – Mapusa	NOC
6	M/s Tulip Diagnostics Pvt. Ltd. – Verna Indl. Estate	Water Consent New
7	M/s Sesa Goa Ltd. – Amona Jetty, Bicholim	Water & Air Consent New
8	M/s Professional Oral Care Products Pvt Ltd – Kundaim Indl Estate	Air Consent New
9	M/s Datewear India Pvt. Ltd. – Tuem Indl. Estate	Water & Air Consent New
10	M/s. Revon Engineering Co. – Margao Indl. Estate	Water Consent Renewal
11	M/s Dempo Mining Co. Pvt. Ltd. – Beneficiation Plant at Piligao, Bicholim	Water Consent Renewal
12	M/s. Goa Carbon Ltd. – St. Jose de Areal	Water Consent Renewal
13	M/s. Syngenta India Ltd. – Corlim	Water Consent Renewal
14	M/s. Zuari Industries Ltd. – Zuarinagar	Water & Air Consent Renewal
15	M/s John Distilleries Ltd – Cuncolim Indl. Estate	Hazardous Waste Authorisation
16	M/s Ramacanta Velingkar – BP at Dharbandora	Hazardous Waste Authorisation
17	M/s Zuari Industries Ltd. – Zuarinagar	Hazardous Waste Authorisation

**Table 1-am**

The following applications were approved in pursuance of the recommendations made at the 70<sup>th</sup> meeting of the technical committee held on 16/01/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Naik Packaging Industry – Verna Indl. Estate	NOC
2	M/s Bussiness India – Verna Indl. Estate	NOC
3	M/s Kamat Constructions & Resort Pvt. Ltd. – Panaji	NOC
4	M/s Chowgule & Company Pvt. Ltd, Pale Iron Ore Mine - Bicholim	Air Consent New
5	M/s Chowgule & Company Pvt. Ltd, Costi Iron Ore	Air Consent New

	Mine - Sanguem	
6	M/s V.D. Chowgule, Costi Iron Ore Mine - Sanguem	Air Consent New
7	M/s Roy Antao & Sane Antao – Monte Iranqui Iron Ore Mine, Sanguem	Water & Air Consent New
8	M/s Royal Milk Products – Cuncolim Indl. Estate	Water Consent New
9	M/s Ultraaflex (India) – Verna Indl. Estate	Water Consent New
10	M/s Sesa Goa Ltd, Metcoke Division – Amona Tal Jetty, Bicholim	Water & Air Consent New
11	M/s Crompton Greaves Ltd. – Kundaim Indl Estate	Air Consent New
12	M/s Sesa Goa Ltd. – Amona Beneficiation Plant, Bicholim	Air Consent Renewal
13	M/s Nicomet Industries Ltd – Cuncolim Indl. Estate	Permission of 15 days to continue operation
14	M/s Cipla Ltd – Verna Indl. Estate	Hazardous Waste Authorisation
15	M/s Aakash Mfg. Co. Pvt. Ltd, Plot No. B-3 to B-4 – Kundaim Indl. Estate	Hazardous Waste Authorisation
16	M/s Aakash Mfg. Co. Pvt. Ltd, Plot No. A-6 & A-7 – Kundaim Indl. Estate	Hazardous Waste Authorisation

**Table 1-an**

The following applications were approved in pursuance of the recommendations made at the 71<sup>st</sup> meeting of the technical committee held on 23/01/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Smitha Engineering Works – Verna Indl. Estate	NOC
2	M/s Micro Labs Limited – Verna Indl. Estate	NOC for D.G. Set
3	M/s Swift Wash – Sancoale Indl. Estate	NOC
4	M/s Goa Natural Foods Pvt. Ltd. – Kundaim Indl. Estate	NOC
5	M/s Permalite Batteries – Corlim	NOC for shifting of unit
6	M/s Trimurthy Industry – Cuncolim Indl. Estate	Water Consent New
7	M/s Amba Industries – Madkaim Indl. Estate	Water Consent New
8	M/s Mahadurga Cement Products – Ponda	Water Consent New
9	M/s Asphalt Machineries & Equipments Pvt. Ltd. – Pernem	Air Consent Renewal
10	M/s Victorino Mascarenhas – Margao	Air Consent Renewal
11	M/s. Seagram India Pvt. Ltd. – Bicholim Indl. Estate	Water Consent Renewal
12	M/s. Intech Pharma Pvt. Ltd. – Pernem	Water Consent Renewal
13	M/s Shraddha Ispat Pvt. Ltd. – Sanguem	Hazardous Waste Authorisation
14	M/s Shraddha Ispat Pvt. Ltd. – Cuncolim Indl. Estate	Hazardous Waste Authorisation
15	M/s Spear Petroleum Pvt. Ltd. – Kundaim Indl. Estate	Hazardous Waste Authorisation
16	M/s ACGL, Bus Body Division – Sattari	Hazardous Waste Authorisation
17	Dr. Archana's Clinic – Sanquelim	Bio-Medical Waste Authorisation
18	M/s Mathew Braganza Hospital & Medical Research Centre – Calangute	Bio-Medical Waste Authorisation



**Table 1-ao**

The following applications were approved in pursuance of the recommendations made at the 72<sup>nd</sup> meeting of the technical committee held on 30/01/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Palacio Property Developers Pvt. Ltd – Goa Velha	NOC for STP
2	M/s Kris Resort – Calangute	NOC
3	M/s Orion Tools – Verna Indl. Estate	NOC
4	M/s Nicomet Industries – Cuncolim Indl. Estate	NOC for enhancing capacity of copper electro-winning circuit
5	M/s First Class Tools – Verna Indl. Estate	Water Consent New
6	M/s Country Club De Goa – Anjuna	Water Consent New
7	M/s Chowgule & Company Pvt. Ltd, Pale Iron Ore Mine - Bicholim	Water Consent New
8	M/s Chowgule & Company Pvt. Ltd, Costi Iron Ore Mine - Sanguem	Water Consent New
9	M/s V.D. Chowgule, Costi Iron Ore Mine - Sanguem	Water Consent New
10	M/s Laxmi Twines and Ropes – Bethora Indl Estate	Air Consent New
11	M/s Kare Labs Pvt. Ltd. – Verna Indl Estate	Air Consent New
12	M/s Goaware Filaments – Bethora Indl Estate	Water & Air Consent New
13	M/s Tuflite Industries – Bethora Indl Estate	Water & Air Consent New
14	M/s. Seahath Canning Pvt. Ltd. – Margao Indl. Estate	Air Consent New
15	M/s. Seahath Canning Pvt. Ltd. – Margao Indl. Estate	Water Consent Renewal
16	M/s Taj Holiday Village – Sinquerim	Air Consent Renewal
17	M/s Samarth Metal – Pernem	Air Consent Renewal
18	M/s Maa Durga Enterprises Pvt. Ltd. – Cuncolim Indl. Estate	Approval of the proposed modification of Air Pollution Control Equipment
19	M/s Venus Ethoxyether Pvt. Ltd. – Bicholim Indl. Estate	Hazardous Waste Authorisation
20	M/s Grand Organics Pvt. Ltd. – Bicholim Indl. Estate	Hazardous Waste Authorisation
21	M/s Total Packaging – Corlim Indl. Estate	Hazardous Waste Authorisation
22	M/s Majorda Beach Resort – Majorda	Hazardous Waste Authorisation
23	M/s Adelphi Pharmaceuticals – Tivim Indl. Estate	Hazardous Waste Authorisation
24	M/s Star Engineering Corporation – Panaji	Hazardous Waste Authorisation
25	Dr. Pal's Clinic – Panaji	Bio-Medical Waste Authorisation

**Table 1-ap**

The following applications were approved in pursuance of the recommendations made at the 73<sup>rd</sup> meeting of the technical committee held on 06/02/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Flour Mill – Sanguem	NOC
2	M/s Galaxy Logistic Services – Bicholim Indl Estate	Water Consent New
3	M/s Unichar International – Cuncolim Indl Estate	Water Consent New
4	M/s. Geno Pharmaceuticals Ltd - Karaswada	Air Consent New
5	M/s. Jalaram Furniture Industries - Ponda	Air Consent New
6	M/s. Umiya Wood Industry - Ponda	Air Consent New
7	M/s. Shree Shiv Vijay Saw Mill - Bhoma	Air Consent New
8	M/s. Mahadev Saw Mill - Ponda	Air Consent New
9	M/s. Shantadurga saw Mill – Old Goa	Air Consent New
10	M/s. Sandeep Bakery - Ponda	Air Consent New
11	M/s Amey Engineers & Printers – Kakoda Indl. Estate	Air Consent New
12	M/s Country Club De Goa – Anjuna	Air Consent New
13	M/s. The Executive Engineer, Works Division III (PHE-N), PWD – St. Inez, Panaji	Water Consent New
14	M/s. Marmagoa Steel Ltd - Eclate, Salcete	Air Consent Renewal
15	M/s. Unichem Laboratories Ltd – Pilerne Indl Estate	Air Consent Renewal
16	M/s. Madras Auto Service - Margao	Water Consent Renewal
17	M/s Taj Holiday Village – Sinquerim	Water Consent Renewal
18	M/s Fort Aguada Beach Resort – Sinquerim	Water Consent Renewal
19	M/s. Compton Greaves Ltd, Machine Division 4 – Kundaim Indl Estate	Water Consent Renewal
20	M/s. Larsen & Toubro Ltd – Pilerne Indl Estate	Water & Air Consent Renewal
21	M/s Amey Engineers & Printers, Kakoda Indl. Estate	Plastic Registration
22	M/s. Chikitsa Hospital - Verna Indl Estate	Bio-Medical Waste Authorisation

**Table 1-aq**

The following applications were approved in pursuance of the recommendations made at the 74<sup>th</sup> meeting of the technical committee held on 13/02/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Shri Balaji Rolling Mills Pvt. Ltd. – Cuncolim Indl. Estate	NOC for modification of Air Pollution Control Equipment
2	M/s Maa Durga Enterprises Ltd. – Cuncolim Indl. Estate	NOC for modification of Air Pollution Control Equipment
3	M/s Rukminirama Steel Rollings Pvt. Ltd. – Cuncolim Indl. Estate	NOC for modification of Air Pollution Control Equipment
4	M/s Zuzart's Ice Plant – Guirim	NOC
5	M/s S.V. Industries – Kundaim Indl. Estate	NOC
6	M/s Myko Tech Pvt. Ltd. – Mapusa Indl. Estate	NOC
7	M/s Shree Laxmi Metal Industries – Pernem	NOC
8	M/s Trinity Enterprises – Verna Indl. Estate	NOC
9	M/s Zuzart's Ice Factory – Guirim	Water Consent New
10	M/s. Mayur Cashew Products – Ponda	Air Consent New
11	M/s Hotel Goan Heritage – Calangute	Water Consent Renewal
12	M/s Nanu Resorts Pvt. Ltd. – Betalbatim	Water Consent Renewal
13	M/s Averina International Resorts Ltd. – Cavellossim	Air Consent Renewal

14	M/s. Unichem Laboratories Ltd – Pilerne Indl Estate	Water Consent Renewal
15	M/s Lupin Ltd. – Verna Indl. Estate	Hazardous Waste Authorisation
16	M/s Sesa Goa Ltd Ltd. – Codli Mine	Hazardous Waste Authorisation
17	M/s Sesa Goa Ltd Ltd. – Sonshi Mine	Hazardous Waste Authorisation

**Table 1-ar**

The following applications were approved in pursuance of the recommendations made at the 75<sup>th</sup> meeting of the technical committee held on 20/02/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Sushant Pottery Unit – Bicholim	NOC
2	M/s Metro Batteries – St Jose de Areal	NOC
3	M/s Shri Shantadurga Metal – Sanguem	NOC
4	M/s U.N. Metals – Ponda	NOC
5	M/s Benzel Packaging Industries – Kakoda Indl. Estate	NOC
6	M/s Shree Bhavani Minerals – Bicholim	Air Consent New
7	M/s Bharat Petroleum Corporation Ltd, LPG Bottling Plant – Verna Indl. Estate	Air Consent Renewal
8	M/s Madhav Rameshwar Industries – Saleli	Extension of validity
9	M/s. Crompton Greaves – Bethora Indl. Estate	Trial run with LPG fired furnace
10	M/s Alliance Multipackagings Pvt. Ltd. – Verna Indl. Estate	Hazardous Waste Authorisation
11	M/s GKB Ophthalmics Ltd. – Tivim Indl. Estate	Hazardous Waste Authorisation
12	M/s Puja Plastics – Old Goa	Hazardous Waste Authorisation
13	M/s Precitech Components – Honda Indl. Estate	Hazardous Waste Authorisation
14	Dr. Olavo Rebeiro Hospital – Mapusa	Bio-Med Waste Authorisation

**Table 1-as**

The following applications were approved in pursuance of the recommendations made at the 76<sup>th</sup> meeting of the technical committee held on 27/02/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Shantadurga Hotmix Enterprises – Quepem	NOC
2	M/s Karthik Induction Ltd. – Kundaim Indl. Estate	NOC for modification of Air Pollution Control Equipment
3	M/s Indian Dobee – Verna Indl. Estate	NOC
4	M/s Savitri Mills – Madel	NOC
5	M/s Sesa Goa Ltd, Barge loading & unloading Jetty – Sanvordem	Water & Air Consent New
6	M/s Sai Pack & Print – Verna Indl. Estate	Water Consent New
7	M/s Sialca Industries – Cuncolim Indl. Estate	Air Consent New

8	M/s Ramacanta Velingkar Minerals (Beneficiation & Magnetic Separation Plant) – Sanguem	Air Consent New
9	M/s Okasa Ltd. – Kundaim Indl. Estate	Air Consent New
10	M/s Dempo Mining Corporation Pvt. Ltd. – Beneficiation Plant at Dhabdhaba, Bicholim	Air Consent Renewal
11	M/s E.O. Thomas & C.A. Ahmed Associates Hotmix Plant – Pernem	Air Consent Renewal
12	M/s. Coral Distilleries – Quepem	Water Consent Renewal
13	M/s Kamdhenu Industries – Saleli	Extension of validity
14	M/s Foures Metal Industries – Saleli	Extension of validity
15	M/s. Cosme Pharma Ltd – Bicholim	Storage of Pharmaceutical finished goods at M/s Cosme Farma Laboratories Ltd
16	M/s. Sunrise Zinc Ltd – Cuncolim Indl. Estate	This application was discussed in the 78 <sup>th</sup> Board meeting held on 21/02/07
17	M/s Shiva Petro-Synth Specialities Ltd. - Maharashtra	Hazardous Waste Authorisation
18	M/s Nanu Resorts Pvt. Ltd. – Betalbatim	Hazardous Waste Authorisation
19	M/s Jet Insulation Pvt. Ltd, Raigad	Hazardous Waste Authorisation

**Table 1-at**

The following applications were approved in pursuance of the recommendations made at the 77<sup>th</sup> meeting of the technical committee held on 06/03/07

Sr No	Name of the unit & location	Application cleared for
1	M/s. Unichem Laboratories Ltd – Pilerne Indl Estate	NOC
2	M/s Om Ram Engineering Works – Colvale	NOC for expansion
3	M/s Jai Flour Mill – Peserauli	NOC
4	M/s Tuflite Industries – Bethora Indl. Estate	NOC
5	M/s Royal Plastic Industries – Kundaim Indl. Estate	NOC
6	M/s Goaware Filaments – Bethora Indl. Estate	NOC
7	M/s Bhumika Bakery – Ponda	NOC
8	M/s Sesa Goa Ltd, Botvadeacho Dongor Iron Ore Mine - Sanguem	Water & Air Consent New
9	M/s Sesa Goa Ltd, Mareto Sodo Iron Ore Mine - Sanguem	Water & Air Consent New
10	M/s Jai Bhairavnath – Pernem	Water & Air Consent New
11	M/s. Goodwin Biotechnology India Pvt Ltd - Ponda	Water & Air Consent New
12	M/s. The Executive Engineer, Works Division III (PHE-N), PWD – St. Inez, Panaji	Water Consent New
13	M/s Procter & Gamble Hygiene & Healthcare India Ltd – Kundaim Indl. Estate	Water & Air Consent New
14	M/s Beiersdorf India Pvt. Ltd. – Ponda	Water Consent Renewal
15	M/s. Marmagoa Steel Ltd – Curtorim	Water Consent Renewal
16	M/s. Nebula Home Products Pvt. Ltd. – Pilerne Indl. Estate	Water Consent Renewal
17	M/s Goa Carbon Ltd. – St Jose de Areal	Air Consent Renewal
18	M/s. Airport Plaza - Sancoale	Water & Air Consent

		Renewal
19	M/s Greater Ferro Met – Sanguem	Air Consent Renewal
20	M/s Nicomet Industries – Cuncolim Indl. Estate	Erection of temporary shed for containment of existing filter cake
21	M/s Airport Plaza - Sancoale	Hazardous Waste Authorisation

**Table 1-au**

The following applications were approved in pursuance of the recommendations made at the 78<sup>th</sup> meeting of the technical committee held on 13/03/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Parenteral Biotech Ltd– Honda Indl. Estate	NOC
2	M/s Shirdi Steel Re-rollers Pvt Ltd, Steel melting division – Cuncolim Indl. Estate	NOC for modification of Air Pollution Control Equipment
3	M/s Shraddha Ispat Pvt Ltd, Steel melting division – Cuncolim Indl. Estate	NOC for modification of Air Pollution Control Equipment
4	M/s. Nestle India Ltd – Usgao	NOC for additional capacity and increase in incinerator stack height
5	M/s Paperpack – Kundaim Indl Estate	NOC
6	M/s AL Hydraulics – Sancoale Indl Estate	NOC
7	M/s Sanman Industries – Sancoale Indl Estate	NOC
8	M/s Shree Fabricators – Ponda	NOC
9	M/s. Highland Holiday Homes Pvt Ltd, Candolim	NOC for STP
10	M/s Sociedade Timblo Irmaos Limitada, Suctoli Iron Ore Mine - Dharbandora	Water & Air Consent New
11	M/s Ravalnathy Rice and Flour mill – Vasco-da-Gama	Air Consent New
12	M/s. Sanman Cafe – Behtora Indl Estate	Water & Air Consent New
13	M/s PCS Industries Ltd – Mapusa Indl Estate	Water & Air Consent New
14	M/s. VIC Industries – Pissurlem Indl Estate	Air Consent New
15	M/s Shirdi Steel Re-rollers Pvt. Ltd. – Cuncolim Indl. Estate	Water Consent Renewal
16	M/s Chemtrol Engineering Ltd. – Kundaim Indl Estate	Water Consent Renewal
17	M/s Novacare Drug Specialities Pvt. Ltd. – Verna Indl Estate	Water Consent Renewal
18	M/s. Sunrise Cashew Industries – Valpoi	Air Consent Renewal
19	M/s Dempo Mining Corporation Pvt. Ltd. – Beneficiation Plant at Dhabdhaba, Bicholim	Water Consent Renewal
20	M/s Rukminirama Steel Rollings Pvt. Ltd. – Cuncolim Indl. Estate	Air Consent Renewal
21	M/s S. Kumar Metals – Pernem	Extension of validity
22	M/s Microlabs Ltd – Verna Indl Estate	Hazardous Waste Authorisation
23	M/s. Gulf Gian Hotels Company Ltd – Calangute	Hazardous Waste Authorisation
24	M/s. Hindustan Lever Ltd – Kundaim Indl Estate	Hazardous Waste Authorisation

**Table 1-av**

The following applications were approved in pursuance of the recommendations made at the 79<sup>th</sup> meeting of the technical committee held on 20/03/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Vintage Bottlers Pvt. Ltd – Verna Indl. Estate	NOC
2	M/s Nicomet Industries Ltd. – Cuncolim Indl. Estate	NOC for utilization of Plot No. M-11
3	M/s Nicomet Industries Ltd.–Cuncolim Indl. Estate	NOC for new boiler & increase in chimney height
4	M/s Paulin Granites – Pilerne Indl. Estate	NOC
5	M/s Raksha Industries – Bethora Indl. Estate	NOC
6	M/s Ramacanta Velingkar Minerals, Beneficiation & Magnetic Separator Plant – Dharbandora	Water Consent New
7	M/s Ramacanta V.S. Velingkar, Corpadega Mine – Dharbandora	Air Consent New
8	M/s Bhumika Bakery – Ponda	Air Consent New
9	M/s. Quality Foods – Cuncolim Indl Estate	Air Consent New
10	M/s West Coast Shipyard – Loutolim	Air Consent New
11	M/s. Esteem Industries Pvt. Ltd. – Pissurlem Indl Estate	Air Consent New
12	M/s. Umiya Wood Industry - Ponda	Air Consent New
13	M/s. Laxmi Vijay Saw Mill - Ponda	Air Consent New
14	M/s Crompton Greaves Ltd. – Bethora Indl Estate	Water Consent Renewal
15	M/s Nicomet Industries – Cuncolim Indl. Estate	Temporary operation of the unit for 15 days
16	M/s Talaulikar Nursing Home – Vasco-da-Gama	Bio-Medical Waste Authorisation

**Table 1-aw**

The following applications were approved in pursuance of the recommendations made at the 79<sup>th</sup> meeting of the technical committee held on 20/03/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Vintage Bottlers Pvt. Ltd – Verna Indl. Estate	NOC
2	M/s Nicomet Industries Ltd. – Cuncolim Indl. Estate	NOC for utilization of Plot No. M-11
3	M/s Nicomet Industries Ltd.–Cuncolim Indl. Estate	NOC for new boiler & increase in chimney height
4	M/s Paulin Granites – Pilerne Indl. Estate	NOC
5	M/s Raksha Industries – Bethora Indl. Estate	NOC
6	M/s Ramacanta Velingkar Minerals, Beneficiation & Magnetic Separator Plant – Dharbandora	Water Consent New
7	M/s Ramacanta V.S. Velingkar, Corpadega Mine – Dharbandora	Air Consent New
8	M/s Bhumika Bakery – Ponda	Air Consent New
9	M/s. Quality Foods – Cuncolim Indl Estate	Air Consent New
10	M/s West Coast Shipyard – Loutolim	Air Consent New
11	M/s. Esteem Industries Pvt. Ltd. – Pissurlem Indl Estate	Air Consent New
12	M/s. Umiya Wood Industry - Ponda	Air Consent New

13	M/s. Laxmi Vijay Saw Mill - Ponda	Air Consent New
14	M/s Crompton Greaves Ltd. – Bethora Indl Estate	Water Consent Renewal
15	M/s Nicomet Industries – Cuncolim Indl. Estate	Temporary operation of the unit for 15 days
16	M/s Talaulikar Nursing Home – Vasco-da-Gama	Bio-Medical Waste Authorisation

**Table 1-ax**

The following applications were approved in pursuance of the recommendations made at the 80<sup>th</sup> meeting of the technical committee held on 27/03/07

<b>Sr No</b>	<b>Name of the unit &amp; location</b>	<b>Application cleared for</b>
1	M/s Navdurga Oil Mills Pvt Ltd – Madkai Indl Estate	NOC
2	M/s Permos Enterprises – St. Jose de Areal	NOC for change in name of unit
3	M/s Imperial Cold Storage Pvt Ltd – Kundaim Indl Estate	NOC
4	M/s Shraddha Ispat Pvt Ltd – Sanguem	NOC for installation of Air Pollution Control Device
5	M/s Rututek Enterprises – Bethora Indl Estate	NOC
6	M/s ProActive Projects – Honda Indl Estate	NOC
7	M/s Prisar Inc – Verna Indl Estate	NOC
8	M/s Vipul Automobiles – Kakoda Indl Estate	NOC
9	M/s Aventis Pharma Pvt Ltd – Verna Indl Estate	NOC for Boiler
10	M/s FDC Ltd – Verna Indl Estate	NOC for Boiler
11	M/s Anand Engineering Works – Verna Indl Estate	NOC
12	M/s. Kamat Cashew Industries, Valpoi	Air Consent New
13	M/s. Kamat Enterprises, Valpoi	Air Consent New
14	M/s Colorcon Asia Pvt Ltd. – Verna Indl Estate	Water Consent New
15	M/s Cement Brick Industries – Ponda	Water Consent New
16	M/s Panadiker Research and Developement Pvt Ltd. – Verna Indl Estate	Water Consent New
17	M/s. Sesa Goa Ltd, Ship building Division, Sirsaim	Air Consent New
18	M/s Kodak India Pvt Ltd – Verna Indl Estate	Air Consent Renewal
19	M/s Rahul Foods – Old Goa	Hazardous Waste Authorisation
20	M/s Aventis Pharma Pvt Ltd – Verna Indl Estate	Hazardous Waste Authorisation



Table 2-a: RIVER KHANDEPAR AT OPA -GOA 2006-2007

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	32.0	30	26.5	26.0	26.0	28.0	28.0	27.0	26.0	28	27
2	pH	7.2	6.9	6.1	6.8	6.2	7.1	6.8	6.8	6.9	7.3	7.4
3	Conductivity	104.0	66.7	47.4	43.2	44.5	62.3	67.5	69.0	80.9	72.7	105.0
4	Nitrogen (Nitrate) mg/l	0.02	0.1	0.06	0.04	0.11	0.12	0.1	0.12	0.16	0.13	0.06
5	Dissolved Oxygen mg/l	7.1	7.8	8.1	7.8	7.4	7.1	7.4	7.1	7.1	6.5	7.4
6	BOD mg/l	1.3	1.00	1.0	0.6	0.8	1.8	0.8	1.2	0.8	0.5	0.5
7	Fecal Coliform MPN/100ml	33	13	230	490	1300	1100	700	1300	33	13	22
8	Total Coliform MPN/100ml	49	34	330	700	3500	1400	940	2400	46	17	49
9	Nitrite Nitrogen mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 2-b: RIVER MADEI AT DABOS,VALPOI -GOA 2006-2007

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	30.0	28.0	25.0	26.0	26.0	27.0	27.0	24.0	27.0	29.0	31
2	pH	7.3	7.1	7.2	6.7	6.4	6.7	7.1	6.6	7.1	6.8	7.9
3	Conductivity	131.2	85.1	59.0	46.9	63.1	72.3	74.5	77.1	91.1	47.8	109.8
4	Nitrogen (Nitrate) mg/l	BDL	0.15	0.1	0.03	0.07	0.07	0.02	0.06	0.03	0.02	0.02
5	Dissolved Oxygen mg/l	6.5	7.1	7.8	7.8	6.5	6.7	7.7	7.4	7.7	7.4	6.8
6	BOD mg/l	1.0	1.2	0.7	0.6	1.3	2.6	2.8	0.5	2.0	0.8	2.0
7	Fecal Coliform MPN/100ml	49	33	20	110	260	130	1800	80	240	340	49
8	Total Coliform MPN/100ml	33	920	50	270	630	330	3500	130	350	790	70
9	Nitrite Nitrogen mg/l	BDL	0.01	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 2-c: RIVER VALVANTI AT SANQUELIM-GOA 2006-2007

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	30.0	29.0	25	27.0	27	27.0	28.0	26.0	27.0	28.0	30.0
2	pH	6.7	6.8	6.9	6.7	6.3	6.8	6.8	6.7	7.21	6.6	7.9
3	Conductivity umhos/cm	75.4	63.8	65.3	47.9	58	66.6	72.7	77.2	69.2	63.1	57.8
4	Nitrogen (Nitrate) mg/l	BDL	0.2	0.07	0.08	0.06	0.05	0.08	0.1	0.17	0.17	0.19
5	Dissolved Oxygen mg/l	6.8	7.8	7.4	7.8	6.5	7.1	7.2	7.4		7.4	7.0
6	BOD mg/l	1.5	1.2	1.2	0.6	1.9	2.2	2.2	1.1		1.5	2.3
7	Fecal Coliform MPN/100ml	70	490	330	340	790	340	70	1700	920	540	9200
8	Total Coliform MPN/100ml	9200	3500	1300	3500	5400	5400	110	2800	1600	920	16000
9	Nitrite Nitrogen mg/l	BDL	BDL	0.01	BDL	BDL	BDL	BDL	0.01	BDL	BDL	BDL



**Table 2-d: RIVER KALNA AT CHANDEL,PERNEM-GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	28.0	27	28	25.0	26.0	26.5	27.0	24.0	24.5	27.0	28.0
2	pH	6.9	7.1	6.9	6.3	6.2	6.7	6.4	6.8	7.29	7.3	7.2
3	Conductivity	96.2	66.2	60	43.1	49.5	60.4	73.8	79.7	86.5	79.2	70
4	Nitrogen (Nitrate) mg/l	0.0	0.04	0.08	0.07	0.07	0.09	0.07	0.06	0.05	0.1	0.06
5	Dissolved Oxygen mg/l	7.4	7.4	7.4	7.4	6.8	7.1	7.4	7.1	7.5	6.5	7.1
6	BOD mg/l	1.6	10.6	0.8	0.8	1.3	0.6	1.1	1.2	3.2	1.7	0.8
7	Fecal Coliform MPN/100ml	7	79	340	700	2800	2800	790	220	920	920	33
8	Total Coliform MPN/100ml	46	350	1300	1100	9200	9200	1300	490	2400	1600	49
9	Nitrite Nitrogen mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 2-e: RIVER ASSANORA AT ASSANORA-GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	32.0	28.0	25	26	28.0	26.0	28.0	25.0	25.0	26.0	28.5
2	pH	6.8	6.4	6.4	6.1	6	6.6	6.83	6.6	7.2	6.3	7.49
3	Conductivity Umhos/cm	84.5	101.6	55.1	49.8	47.8	66.7	95.7	69.0	80.7	8.4	63.7
4	Nitrogen (Nitrate) mg/l	0.03	0.09	0.1	0.08	0.07	62.7	0.12	0.09	0.12	0.08	0.09
5	Dissolved Oxygen mg/l	5.8	7.1	6.5	7.4	5.2	6.6	5.8	7.1	6.75	6.8	6.18
6	BOD mg/l	1.6	0.8	1.0	0.8	2.2	2.5	1.72	1.2	3.12	1.5	0.99
7	Fecal Coliform MPN/100ml	5400	2400	170	220	330	1700	230	330	2400	70	540
8	Total Coliform MPN/100ml	16000	5400	310	260	940	3500	330	490	3500	79	920
9	Nitrite Nitrogen mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 2-f: RIVER TALPONA AT CANACONA-GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	27.0	30	26.0	27.0	26.0	28.5	28.0	28.0	28.0	30.0	30.0
2	pH	7.2	7.2	7.2	6.5	6.3	6.5	6.5	7.1	6.9	6.8	6.9
3	Conductivity	116.7	61.8	56.4	45.8	47.6	51.7	51.3	54.6	70.9	68.1	85.2
4	Nitrogen (Nitrate) mg/l	0.0	0.07	0.07	0.05	0.1	0.05	0.04	0.05	BDL	0.01	0.01
5	Dissolved Oxygen mg/l	6.8	7.4	8.1	7.8	7.1	7.4	7.4	7.1	7.1	7.4	7.1
6	BOD mg/l	1.6	1.1	1.0	0.6	0.8	0.9	1.1	0.8	0.5	1.1	0.5
7	Fecal Coliform MPN/100ml	23	12	80	110	790	1300	270	70	33	22	49
8	Total Coliform MPN/100ml	79	130	130	170	2400	1700	330	110	49	27	79
9	Nitrite Nitrogen mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 2-g: RIVER MANDOVI AT PANAJI-GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	30.0	29.0	29.0	26.0	26.0	28.0	30.0	27.0	28.0	28.5	30.0
2	pH	8.1	7.9	7.1	7.2	7.2	6.9	7.2	7.6	7.76	7.5	7.6
3	Conductivity ms/cm	51.1	48.9	597.0	0.5	5.6	9.2	46.5	45.8	43.9	41.7	45.9
4	Nitrogen (Nitrate) mg/l	0.0	0.04	0.05	0.04	0.08	0.09	0.08	0.07	0.01	0.01	0.04
5	Dissolved Oxygen mg/l	6.1	5.8	6.8	7.1	6.5	6.5	6.8	6.8	6.45	6.2	6.5
6	BOD mg/l	2.2	1.2	0.6	0.8	1.2	1.0	1.5	9.5	2.6	2.1	0.9
7	Fecal Coliform MPN/100ml	NIL	NIL	1100	330	9200	5400	490	50	22	5	13
8	Total Coliform MPN/100ml	NIL	NIL	5400	700	16000	16000	790	80	33	7	17
9	Nitrite Nitrogen mg/l	BDL	0.07	0.04	BDL	BDL	BDL	BDL	BDL	0.01	BDL	0.01

**Table 2-h: RIVER ZUARI AT CORTALIM -GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	28.0	30.0	28.0	29.5	28.0	31.0	29.5	30.0	26.0	30.0	32.0
2	pH	8.3	7.8	7.4	7.3	6.7	8.3	7.6	8	7.9	7.8	7.8
3	Conductivity ms/cm	50.1	44.4	6.3	22.2	6.5	21.0	42.1	43.0	43.9	44.7	38.2
4	Nitrogen (Nitrate) mg/l	0.0	0.14	0.13	0.06	0.11	0.04	0.04	0.06	BDL	0.01	0.08
5	Dissolved Oxygen mg/l	5.8	6.1	7.1	6.8	6.5	7.1	6.5	6.5	6.8	7.1	6.1
6	BOD mg/l	1.9	1.2	0.9	0.9	0.9	2.3	1.6	0.9	0.5	1.2	0.8
7	Fecal Coliform MPN/100ml	2	NIL	330	130	700	790	2800	2800	2	27	920
8	Total Coliform MPN/100ml	6	NIL	460	230	940	1100	3500	16000	5	33	1600
9	Nitrite Nitrogen mg/l	0.02	0.06	0.04	0.01	BDL	BDL	BDL	0.01	BDL	0.01	0.04

**Table 2-i: RIVER MANDOVI AT TONCA- MARCELA -GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	33.0	29.0	26.0	28.0	29.0	21.0	29.0	28.5	28.5	29.0	30.0
2	pH	7.6	7.5	7.2	6.9	6.6	7.1	6.96	6.3	6.8	6.7	7.5
3	Conductivity ms/cm	36.5	3.2	146.8	72.2	0.2	2.7	4.7	5.0	13.1	4.2	39.6
4	Nitrogen (Nitrate) mg/l	0.0	0.1	0.03	0.09	0.1	0.07	0.11	0.09	0.07	0.06	0.04
5	Dissolved Oxygen mg/l	5.8	6.5	6.8	6.8	6.5	7.5	6.4	6.5	7.2	6.5	5.04
6	BOD mg/l	2.3	1.6	1.3	0.9	1.6	1.4	3.3	1.2	2.2	1.2	3.09
7	Fecal Coliform MPN/100ml	70	3500	1300	1400	790	1100	3500	140	280	130	350
8	Total Coliform MPN/100ml	110	16000	2400	1800	1300	5400	9200	170	350	170	540
9	Nitrite Nitrogen mg/l	BDL	BDL	BDL	0.02	BDL	BDL	BDL	BDL	0.01	0.01	0.01

**Table 2-j: RIVER ZUARI AT PANCHWADI-GOA 2006-2007**

Sr. No.	Parameters	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07
1	Temperature	28.0	30.0	27.5	27	26	30.0	29.0	28.0	28.0	28.0	27.5
2	pH	7.2	6.8	6.6	6.6	6.4	6.9	6.4	6.5	7.4	7.8	6.9
3	Conductivity ms/cm	12.8	718.0	94.6	67.5	56.6	194.9	5.8	4.5	12.5	5.3	3.0
4	Nitrogen (Nitrate) mg/l	0.1	0.10	0.07	0.07	0.08	0.06	0.11	0.04	0.14	0.20	0.04
5	Dissolved Oxygen mg/l	6.1	6.5	6.5	7.1	6.8	6.6	7.1	6.1	6.5	6.5	6.8
6	BOD mg/l	1.9	1.2	1.0	0.8	1.3	2.5	1.5	1.2	0.9	0.6	1.2
7	Fecal Coliform MPN/100ml	240	33.0	50	230	790	460	1100	270	130	220	49
8	Total Coliform MPN/100ml	540	130.0	80	330	1100	700	1400	790	240	280	350
9	Nitrite Nitrogen mg/l	0.1	BDL	BDL	BDL	BDL	BDL	BDL	0.01	0.01	0.06	BDL

**Table 2-k: RIVER SALAULIM DAM AT SALAULIM, SANGUEM-GOA 2006-2007**

Sr. No.	Parameters	Dec-06
1	Temperature	30
2	pH	6.8
3	Conductivity	46
4	Nitrogen (Nitrate) mg/l	0.01
5	Dissolved Oxygen mg/l	7.4
6	BOD mg/l	0.5
7	Fecal Coliform MPN/100ml	20
8	Total Coliform MPN/100ml	40
9	Nitrite Nitrogen mg/l	BDL

## AMBIENT AIR QUALITY DATA

Table 3-a Station : Panaji

Month & Year	SO <sub>2</sub>		NO <sub>x</sub>		RSPM		SPM	
	No. of Obs	Arith Mean	No. of Obs	Arith Mean	No. of Obs	Arith Mean	No. of Obs	Arith Mean
April ' 06	48	2	48	5.5	24	42.9	24	109.3
May ' 06	58	2	58	5.4	29	30.6	29	88.8
June ' 06	48	2	48	6.7	21	28.4	24	60.8
July ' 06	54	2	54	5.3	27	29.8	27	49.8
Aug. ' 06	48	2	48	4.7	24	22.8	24	42.8
Sept. ' 06	54	2	54	5.6	27	24.4	27	56.3
Oct. ' 06	54	2	54	13.1	27	43.8	27	67
Nov. ' 06	54	2	54	14.3	27	49.8	27	104.9
Dec. ' 06	48	2	48	17.8	24	83.5	24	170.9
Jan. ' 07	60	2	60	17.3	30	79.7	30	172.1
Feb. ' 07	42	2	42	14.1	21	55.5	21	122.9
March ' 07	48	2	48	12.1	24	57.4	24	129.3

Table 3-b Station : Vasco da Gama

Month & Year	SO <sub>2</sub>		NO <sub>x</sub>		RSPM		SPM	
	No. of Obs	Arith Mean	No. of Obs	Arith Mean	No. of Obs	Arith Mean	No. of Obs	Arith Mean
April ' 06	48	2	48	7.5	24	83.9	24	274.3
May ' 06	54	2	54	6.9	27	75.3	27	249
June ' 06	52	2	52	7.3	26	39.3	26	104.7
July ' 06	48	2	48	5	24	36.2	24	81
Aug. ' 06	60	2	60	6.4	30	45.1	30	106.8
Sept. ' 06	48	2	48	7.3	24	45.7	24	90.7
Oct. ' 06	54	2	54	13	27	50.5	27	114.3
Nov. ' 06	54	2	54	13.5	27	43.4	27	90.7
Dec. ' 06	48	2	48	14.1	24	76	24	171
Jan. ' 07	54	2	54	27.8	27	110.8	27	266.9
Feb. ' 07	48	2	48	20.1	24	74.2	24	191.4
March ' 07	53	2	53	19.3	27	64.2	27	192.2

Table 3-c Station : MPT-Mormugao

Month & Year	SO <sub>2</sub>		NO <sub>x</sub>		RSPM		SPM	
	No. of Obs	Arith Mean	No. of Obs	Arith Mean	No. of Obs	Arith Mean	No. of Obs	Arith Mean
April ' 06	48	2	48	4.5	24	26	24	67.2
May ' 06	54	2	54	4.5	27	17.9	27	47.5
June ' 06	52	2	52	4.5	26	22.9	26	50.9
July ' 06	48	2	48	4.5	24	22	24	45.4
Aug. ' 06	60	2	60	4.6	30	28.9	30	62.8
Sept. ' 06	48	2	48	4.8	24	22.7	24	49.9
Oct. ' 06	54	2	54	9.1	27	35.9	27	103.4
Nov. ' 06	54	2	54	12.4	27	36.4	27	74.5
Dec. ' 06	48	2.1	48	13.7	24	67.3	24	160.9
Jan. ' 07	54	2	54	17.1	27	87.6	27	185.8
Feb. ' 07	48	2	48	10	24	49.6	24	119.2
March ' 07	54	2	54	7	27	43.4	27	114

## DAILY WEATHER MONITORING DATA

Date	Temperature in °C			Humidity in %			Rainfall (Max) in mm	Solar Radiation in Calories cm <sup>2</sup> / minute			Speed in Km/H			Wind Direction range in deg for max % of time in that direction
	Min	Max	Avg	Min	Max	Avg		Min	Max	Avg	Min	Max	Avg	
27/11/2006	28	33	30.9	66	89	76.2	0	0	0.23	0.15	0.3	15.7	6	200-300
28/11/2006	26.5	33.5	29.5	60.3	89.8	79.1	0	0	0.75	0.24	0	12.7	4.9	1-100
29/11/2006	26.5	36.7	29.6	52.8	98	79.7	0	0	0.52	0.22	0	11.5	5.3	1-100
30/11/2006	25	29.2	26.6	61.6	97.5	89.1	0	0	0.94	0.13	0	10.7	4.8	1-100
01/12/2006	23.9	34.4	28.5	44.7	92.9	69.1	0	0	1.58	0.37	1.3	12.8	6	1-100
02/12/2006	22	35.5	27.5	30.1	93.2	65.6	0	0	1.76	0.36	0.8	16.1	6.5	1-100
03/12/2006	21.8	33.3	26.9	45.8	90.9	73.1	0	0	1.62	0.34	0	12.1	7.4	1-100
04/12/2006	23.5	35	28.3	41	97.9	73	0	0	1.66	0.36	0.3	17.3	5.9	1-100
05/12/2006	22.8	33.9	27.5	38.6	97	73.3	0	0	1.72	0.37	0.8	11.5	6.1	1-100
06/12/2006	22.2	34.4	27	42	98	74.7	0	0	1.69	0.33	1.5	14.2	6.7	1-100
07/12/2006	21.5	34.5	26.9	37.9	93	69.4	0	0	1.76	0.36	2.2	14.1	6.2	1-100
08/12/2006	21.8	34.5	26.8	32	91.6	65.7	0	0	1.75	0.38	2.7	13.4	7	1-100
09/12/2006	21.6	33.5	26.3	30.4	90.2	63.3	0	0	1.75	0.35	1.3	17.1	7.8	1-100
10/12/2006	20.9	32.9	25.9	43	85.3	67.2	0	0	1.72	0.35	1.9	13.6	6.5	1-100
11/12/2006	21.6	33.7	26.8	49	97	75.7	0	0	1.73	0.36	0.5	15.5	5.2	1-100
12/12/2006	23.5	33.1	27.9	54.8	99	81.1	0	0	1.55	0.28	0.4	13.4	5.1	1-100
13/12/2006	24.5	35.5	29	48	99	78.9	0	0	1.68	0.34	0	12.2	4.7	1-100
14/12/2006	23.5	35	28.6	43	97	72.7	0	0	1.73	0.36	1.7	18.4	7.5	1-100
15/12/2006	22	33.9	26.9	39	95.7	72.5	0	0	1.74	0.35	0	13.2	4.8	1-100
16/12/2006	20.5	31.9	26	42	98.5	68.6	0	0	1.38	0.31	0.3	10.8	5.9	1-100
17/12/2006	21	33.4	25.9	29.9	87.7	58.4	0	0	1.64	0.33	0.5	19.5	8	1-100
18/12/2006	19	32.7	25.2	38.1	90	70.1	0	0	1.6	0.33	0.9	10.8	5.1	1-100
19/12/2006	19.3	33.8	25.1	32.9	98.7	71.7	0	0	1.33	0.27	0	9.5	4.4	1-100
20/12/2006	19.5	32.6	25.2	34.8	89.8	62.8	0	0	1.62	0.22	3.2	13.4	6.7	1-100
21/12/2006	21.4	31.1	25.3	46.8	87.4	66.4	0	0	1.01	0.23	0	18.8	7.5	1-100
22/12/2006	22.1	33.5	26.9	40	88.9	65.9	0	0	1.69	0.34	1.2	23.1	9.2	1-100
23/12/2006	21.5	31.5	26.2	46.7	90.3	68.1	0	0	1.4	0.29	0	21.4	7.4	1-100
24/12/2006	22.7	33.4	26.8	41	87.4	67.7	0	0	1.66	0.31	0	22.8	7.6	1-100
25/12/2006	21.2	32.7	26	45.3	94.8	74.8	0	0	1.69	0.33	0	13.5	6.3	1-100
26/12/2006	21.5	33.5	26.1	36.5	99	74.9	0	0	1.59	0.32	3	15.9	6.5	1-100

27/12/2006	21.2	32.8	26.2	45	99	77.6	0	0	1.58	0.33	0	14.2	5.5	1-100
28/12/2006	22.1	32.6	26.4	47.1	99	80.5	0	0	1.62	0.31	1.7	11	5.6	1-100
29/12/2006	20.9	33.2	26.5	36	99	72.9	0	0	1.72	0.33	0.2	10.6	5.1	1-100
30/12/2006	20	32.5	25.1	37.9	97	72.7	0	0	1.65	0.33	0.5	15	5.9	1-100
31/12/2006	19.9	31.6	24.9	46.1	97.5	76	0	0	1.54	0.31	1.4	15.4	5.7	1-100
01/01/2007	20.4	32.1	25	39	99	76.5	0	0	1.59	0.32	0.2	14.1	5.8	1-100
02/01/2007	20	32.8	25.2	36.2	99	75.9	0	0	1.6	0.32	0	11.4	4.8	1-100
03/01/2007	20	32.2	25.2	38.8	97.7	75	0	0	1.63	0.31	2.2	12.6	6.3	1-100
04/01/2007	20	31.5	25	42.9	99	74.3	0	0	1.57	0.31	0.6	13.4	5.6	1-100
05/01/2007	20	30.9	24.9	46	97	76.3	0	0	1.59	0.33	0.3	14.5	5.4	300-380
06/01/2007	20	31.7	25.2	40	99	71.9	0	0	1.64	0.33	0.8	13.6	5.1	1-100
07/01/2007	20.5	30.9	25.5	42	97	74.4	0	0	1.62	0.31	0.6	13.8	5.4	1-100
08/01/2007	20.5	33.1	25.8	33.4	99	71.6	0	0	1.67	0.32	1.2	16.2	6	1-100
09/01/2007	20.9	34.7	26.1	36.8	88.9	67.7	0	0	1.65	0.32	1.7	22.2	7.2	1-100
10/01/2007	21.3	34.4	26.5	38	90.4	66.8	0	0	1.65	0.33	0	13.9	6.9	1-100
11/01/2007	21	33.2	26.2	35	96	70.8	0	0	1.67	0.35	0.4	15.4	5.9	1-100
12/01/2007	21.1	33.6	24.5	46.1	97	74.9	0	0	1.56	0.31	1.9	11.5	5.5	1-100
13/01/2007	22	33.4	26.7	42.8	96	74.9	0	0	1.64	0.32	0	16.6	5.4	1-100
14/01/2007	20.9	33.2	26	35	97	74.3	0	0	1.68	0.32	2.2	15.6	5.9	1-100
15/01/2007	20	31.4	25.5	45.1	99	76.1	0	0	1.68	0.33	1.5	14.2	5.7	1-100
16/01/2007	20.3	31.1	25.6	48.3	99	75.8	0	0	1.63	0.32	0	14.4	5.7	1-100
17/01/2007	20.7	30.7	25.6	48.6	97.2	75.3	0	0	1.54	0.3	0.1	11.8	4.6	1-100
18/01/2007	21	34.6	25	35	99	74.5	0	0	1.54	0.26	0.5	9.6	4	1-100
19/01/2007	21	32.6	21.2	39.9	98	74.1	0	0	1.64	0.31	0	10.7	4.4	1-100
20/01/2007	21	32.2	25.9	45	99	75.7	0	0	1.48	0.31	0.5	15.7	5.3	1-100
21/01/2007	20.7	34.2	26.3	65	98	74.3	0	0	1.71	0.34	0	17.5	5.9	1-100
22/01/2007	21.4	30.4	25.7	53.9	99	86.4	0	0	1.59	0.31	0.1	13.6	5.8	1-100
23/01/2007	21.9	31.1	26.2	44.9	99	81.7	0	0	1.64	0.3	0	12.8	4.5	1-100
24/01/2007	20.5	32.3	26	44.3	99	77.4	0	0	1.64	0.33	0	11.2	4.3	1-100
25/01/2007	21.4	32.5	26.5	44.7	95.9	73.6	0	0	1.53	0.33	0	10.8	5.6	1-100
26/01/2007	21.6	33.3	26.5	46.2	96	75.7	0	0	1.61	0.32	0	14.4	5.7	1-100
27/01/2007	21.6	32.8	26.7	46.2	99	74.8	0	0	1.61	0.32	0	13.1	5.3	1-100
28/01/2007	23.2	33.8	27.7	46.2	96.8	79.6	0	0	1.18	0.25	0.6	13.4	5.8	1-100
02/02/2007	24.8	29.7	27.8	60	89.9	70.6	0	0	0.12	0.02	1.3	9.4	4.2	300-350
03/02/2007	21.5	30.4	26.2	62.7	96	79.5	0	0	1.18	0.27	0	11.9	5.7	1-100
04/02/2007	21.9	31.4	25.8	37	99	73.9	0	0	1.76	0.32	1.6	13.4	6.1	1-100
05/02/2007	20	29.3	24.8	52.4	99	79	0	0	1.75	0.34	3.1	16.9	6.9	1-100

06/02/2007	21.1	30.3	24.9	54.2	99	82	0	0	1.73	0.44	2	14.2	6.2	1-100
07/02/2007	25.5	29.5	27.1	67.5	84	77.9	0	0	0.55	0.09	2.1	11.8	6	300-350
08/02/2007	21.5	30.4	26.1	56.6	99	79.1	0	0	1.65	0.33	1.1	13.3	5.5	1-100
09/02/2007	21.4	29.9	25.7	59	98.7	80.2	0	0	1.66	0.31	0.8	12.4	6.1	1-100
10/02/2007	22	30.5	25.6	56.6	99	80.6	0	0	1.68	0.46	1.1	14.2	5.7	1-100
16/03/2007	29	32.3	30.3	74.1	92	83.35	0	0	0.96	0.2	0	13.9	5.89	200-250
17/03/2007	27	32.6	30	64.4	99	80	0	0	1.73	0.56	0	13.5	7.33	250-350
18/03/2007	26.4	31.2	28.9	76	99	87.6	0	0	0.88	0.18	0	14.2	5.8	200-300
19/03/2007	26.5	31.8	29.3	70.5	98	84.5	0	0	1.33	0.28	0	15.4	5.8	200-300
20/03/2007	26.4	31.9	29.2	68.4	96	80.9	0	0	1.65	0.36	0.8	16	6.4	200-300
21/03/2007	26.4	32.2	29.3	62.7	82.5	74.3	0	0	1.64	0.41	2.1	16.1	7.3	300-380
22/03/2007	26	30.9	27.9	52.1	92	79.9	0	0	1.31	0.25	4.7	16	8.1	300-380
23/03/2007	24	31	27.9	67.3	93	78.6	0	0	1.72	0.42	1.9	17.3	7.5	300-380
24/03/2007	25.4	31.3	28.3	62.1	86.9	75.2	0	0	1.73	0.41	0	17	6.1	300-380
25/03/2007	24	32	28.2	63.8	99	80.7	0	0	1.75	0.44	0.5	16.8	6.6	300-380
26/03/2007	25	31.3	28.4	67.4	99	81.6	0	0	1.57	0.36	0	14.7	6	1-100
27/03/2007	25.5	31.8	28.9	67.8	96.5	80.7	0	0	1.21	0.24	0.1	12.8	5.1	1-100
28/03/2007	26.9	31.9	29.6	71.8	96	84	0	0	1.49	0.29	0.4	14.6	5.7	200-300
29/03/2007	27.5	32.2	30	66.5	96	83.8	0	0	1.68	0.39	0	13.9	5.5	200-300
30/03/2007	28	32.5	30.2	68.7	96.8	83.6	0	0	1.3	0.28	1	11.9	5.7	200-300
31/03/2007	27.5	33.2	30.1	68	97.8	84.8	0	0	1.67	0.41	2	17.8	7.1	1-100

Table 5: STATUS OF HAZARDOUS WASTE GENERATED DURING THE YEAR

Sr. No.	Name and Address of the Unit	Products manufactured	Hazardous Waste (HW) generating Process as per Schedule 1	HW generating streams as per		HW generation in MTA as per		Total Quantity of H.W Generation in MTA (7)+(8)	Quantity of HW in MTA		
				Sch. 1	Sch. 2	Sch. 1	Sch. 2		Disposal in landfills	Recyclable	Incinerable
1	2	3	4	5	6	7	8	9	10		
1	M/s Star Formulation (P) Ltd. PI.No-S-62 Verna Indl Est Verna Goa Phase-II/ B Goa-403722	Disinfectants and Antiseptics	Discarded containers/ barrels	33.3		290 Nos		290 Nos		290 Nos.	
2	Sesa Goa Ltd, MetCoke Oven plant, Navelim Sanquelim Goa	Metallurgical coke	Used/ Spent oil	5.1		0.36		0.36		0.36	
3	Hindustan Coca-Cola Beverages Pvt.Ltd. M2-M11, Phase-III B, Verna Indl Estate, Verna	Sweetened Carbonated drinks & carbonated water	Filter containing oil	3.3		24 Nos		24 Nos			24 nos.
			oily cotton waste	3.3		0.09		0.09			0.09
			Used/ Spent oil	5.1		0.777		0.777		0.777	
			Discarded containers/ barrels	33.3		24 nos		24 nos		24 Nos.	
4	Indi Pharma Pvt.Ltd. 2-9, Bethora Indl Estate, Bethora Ponda Goa	tablets, capsules & ointments	Date expired/ discarded product	28.3		0.017		0.017	0.017		
			Used/ Spent oil	5.1		0.019		0.019		0.019	
5	Marpol Pvt Ltd, Unit-II Plot No.ABC Kakoda Indl Estate Kakoda Curchorem Goa	Powder coating	Used/ Spent oil	5.1		0.027		0.027		0.027	
			Wastes & residue	21.1		6		6			6
6	Marpol Pvt Ltd, Unit-II Plot No.13 to 18 Kakoda Indl Estate Kakoda Curchorem Goa	Polyester resin/ powder coating	Used/ Spent oil	5.1		0.027		0.027		0.027	
			Wastes & residue	21.1		6		6			6
7	R.K.Trading Co. Near H.P Petrol pump Dhawali Ponda Goa	Silver metal is extracted from waste	Silver compounds		B 10		56.86	56.864		56.864	
8	M/s Wallace Pharmaceutical	Tablets-99.5	Used/ Spent oil	5.1		0.005		0.005		0.005	



	Pvt. Ltd, Nirancal Road Curti Ponda Goa	Liquid-226.8	Wastes/ residues containing oil	5.2		0.965		0.965			0.965
			Date expired/ discarded product	28.3		Nil		Nil			
			Discarded containers/ barrels	33.3		120 Nos.		120 Nos.		120 Nos.	
			Chemical sludge from ETP	34.3		0.048		0.048	0.048		
9	Geno Pharmaceutical Ltd Phamaceutical Complex Karaswada Mapusa Goa	Tablets, Capsules, Liquids, Ointments, Injectables	Used/ Spent oil	5.1		0.09		0.09		0.09	
			Residues and wastes	28.1		0.2		0.2	0.2		
			Spent Carbon	28.2		Nil		Nil			
			Date expired/ discarded product	28.3		0.6		0.6	0.6		
			Ion Exchange material	34.2		0.22		0.22			0.22
10	DCI Pharmaceuticals Pvt Ltd Vidyanagar Margao Goa		Used/ Spent oil	5.1		0.03		0.03		0.03	
			Date expired/ discarded product	28.3		0.007		0.007	0.007		
			Spent Org.solvents	28.5		0.056		0.056			0.056
11	V.M Salgaocar & Bro Pvt Ltd Velguem/Surla Mine Workshop	workshop attached to iron ore mine	Used/ Spent oil	5.1		6.04		6.04		6.04	
			cotton soaked with oil	5.2		0.98		0.98			0.98
			LDO sludge	3.3		1.7		1.7			1.7
12	Aparant Iron & Steel Pvt Ltd,Village Costi Kalay Sanguem South Goa	Coke fines, Iron ore fines	Used/ Spent oil	5.1		nil		nil			
13	Encube Ethicals Pvt Ltd, Plot No. C-1 Madkaim Indl Estate Ponda Goa	Production/ formulation of drugs/ pharmaceuticals	Date expired/ discarded product	28.3		0.127		0.127	0.127		
			Used/ Spent oil	5.1		0.043		0.043		0.043	
			Discarded containers	33.3		194 Nos.		194 Nos.		194 Nos.	
			ETP sludge	34.3		0.821		0.821	0.821		
14	Sesa Goa Limited-Codli Mine,P.O. Kirlpal-Dabal,Sanguem,Goa	Iron Ore	Used/ Spent oil	5.1		82.13		82.13		82.13	
15	Colorcon Asia Pvt. Ltd. Plot No. M14-M18,Verna Ind Estate, Salcete, Goa	OPADRY	Used/ Spent oil	5.1		0.135		0.135		0.135	

16	Chowgule Industries Ltd.D.B. Bandodkar Marg, Campal,Panaji, Goa		Used/ Spent oil	5.1		10.308		10.308		10.308	
17	Centaur Drug House Pvt. Ltd. Plot No. 39, 40, 41,Tivim Ind Estate, Karaswada,Goa	Tablet, Syrup, Capsules, Vials	Used/ Spent oil	5.1		0.027		0.027		0.027	
			Pharma residues & wastes	28.1		0.02		0.02			0.02
			Date expired/ discarded product	28.3		0.05		0.05	0.05		
18	Omni Impex Pvt.Ltd. Plot No-65,Pissurlem Ind Estate,Honda, Sattari,Goa		Used/ Spent oil	5.1		0.011		0.011		0.011	
19	Cosme Remedies Ltd,797,Alto-Betim,Bardez, Goa	Liquids, Tablets & Capsules	Used/ Spent oil	5.1		0.008		0.008		0.008	
			Pharma residues & wastes	28.1		Nil		Nil			
20	Pentair Water India Pvt. Ltd. L52-55,Verna Ind Estate,Salcete, Goa	FRP tanks, Codeline vessels, Composite Welmate	Used/ Spent oil	5.1		0.09		0.09		0.09	
			chemical containing residue	33.1		0.85		0.85			0.85
21	Kodak India Limited, L-16,Verna Industrial estate, Verna Salcete, Goa-403722	Cinematographic film in rolls, Photographic films in rolls, Medical X-ray, Cardiology film in rolls	Used/ Spent oil	5.1		1.4		1.4		1.4	
			Wastes & residue	21.1		0.072		0.072		0.072	
			Discarded containers/ barrels	33.3		90 nos		90 nos		90 nos	
			Silver Compounds		B 10		72	72		72	
22	MRF LTD, P.B. No. 1, Ponda,Goa	TYRES	Used/ Spent oil	5.1		83.58		83.58		83.58	
			Fly ash from incinerator	36.2		2.4		2.4	2.4		
23	Britacel Silicones Ltd.L-124,Verna Industrial Estate,Verna,Goa	Silicone fluids	Silicone oil Residues & silicone oil	27.1		0.005		0.005		0.005	
			Chemical sludge from ETP	34.3		0.01		0.01	0.01		
			Used/ Spent oil	5.1		0.01		0.01		0.01	
24	M/s Chowgule & Co.Ltd. Pale Iron Ore Mine,P.O.Pale, Ambegal,Pale-Goa 403105	Maintenance of heavy earthmoving machinery	Used/ Spent oil	5.1		6.55		6.55		6.55	
25	M/s Chowgule & Co.Ltd.Sirigao Iron Ore Mine,P.O. Assonora, Bicholim-Goa 403 503	Maintenance of heavy earthmoving machinery	Used/ Spent oil	5.1		3.99		3.99		3.99	

26	M/s Chowgule & Co.Ltd.Costi Iron Ore Mine,P.O.Kalay, Sanguem-Goa 403 704	Maintenance of heavy earthmoving machinery	Used/ Spent oil	5.1		8.74		8.74		8.74	
27	M/s Chowgule & Co.Ltd.Tudou Iron Ore Mine,P.O Bhati, Sanguem-Goa 403 704	Maintenance of heavy earthmoving machinery	Used/ Spent oil	5.1		nil		nil		Nil	
28	M/s Chowgule & Co.Ltd.Central Workshop,P.O. Khandepar,Par Usgao-Goa 403 406	Maintenance of heavy earthmoving machinery	Used/ Spent oil	5.1		1.7		1.7		1.7	
29	Britacel Silicones Ltd.L125/126, Verna Industrial Estate,Verna,Goa 403722	Silicone Emulsions, Silicone fluids,Silicone cationics, Other Emulsions	Silicone oil Residues & silicone oil	27.1		0.005		0.005		0.005	
			Chemical sludge from ETP	34.3		0.01		0.01	0.01		
			Used/ Spent oil	5.1		0.01		0.01		0.01	
30	M/sGlenmark Lbs Pvt Ltd. Plot No. L-82,83,Verna Ind Estate,Verna Goa	Tablets, Capsules	Used/ Spent oil	5.1		0.1		0.1		0.1	
			Date expired/ discarded product	28.3		0.003		0.003	0.003		
			Discarded containers	33.3		125 Nos		125 Nos		125 Nos.	
			Ion Exchange material	34.2		Nil		Nil			
			Sludge from ETP	34.3		0.05		0.05	0.05		
31	M/S Cipla Ltd plot no L-139-L-146, Verna Industrial Estate, Verna Goa	Injectibles	Used/ Spent oil	5.1		0.8		0.8		0.8	
			Residues & wastes	28.1		4.5		4.5	4.5		
			off specifications product	28.3		4		4	4		
			Date expired/ discarded product	28.4		0.439		0.439	0.439		
			Discarded containers	33.3		4 nos		4 nos		4 nos	
			Flue gas cleaning Residue	34.1		0.8		0.8	0.8		
			Chemical sludge from ETP	34.3		0.7		0.7	0.7		
32	M/S Cipla Ltd plot no S-103 to S-105, S-107 to S-112, L-147/1 to L-147/3, L-150, Verna	Injectibles	Used/ Spent oil	5.1		1.8		1.8		1.8	
			Residues & wastes	28.1		3.5		3.5	3.5		

	Industrial Estate, Verna Goa		off specifications product	28.3		3		3	3		
			Date expired/ discarded product	28.4		0.693		0.693	0.693		
			Discarded containers	33.3		9 nos.		9 nos.		9 nos.	
			Flue gas cleaning Residue	34.1		0.6		0.6	0.6		
			Chemical sludge from ETP	34.3		0.8		0.8	0.8		
33	Goa Carbon Limited St Jose De Areal, Salcete,Goa-403730	Calcined Petroleum Coke	Used/ Spent oil	5.1		0.09		0.09		0.09	
34	M/s Dempo Mining Co Pvt Ltd, Bicholim Mine Goa	Processed iron ore	Used/ Spent oil	5.1		40.05		40.05		40.05	
			Waste/ residue containing oil , Oil filters	5.2		8.105		8.105		8.105	
35	M/s V.S. Dempo & Co. Ltd., Kirlapale Mine Sanguem- Goa	Processed iron ore	Used/ Spent oil	5.1		1.06		1.06		1.06	
			Waste/ residue containing oil	5.2		0.08		0.08		0.08	
36	V.S. Dempo & Co. Pvt.Ltd., Surla Mine,Goa	Processed iron ore	Used/ Spent oil	5.1		7.86		7.86		7.86	
			Waste/ residue containing oil , Oil filters	5.2		0.003		0.003		0.003	
37	Merck Limited, plot no. 11 Marvasaddo Usgaon Ponda Goa 403407	injectables, Soft gel capsules, Guaizulene, Vit E Acetate bulk drug, Vit E Acetate Feed Premixes, Thiamine Disulfide, Oxyxex ST	Used/ Spent oil	5.1		1.818		1.818		1.818	
			Distillation residue	20.3		nil		nil			
			Date expired/ discarded product	28.4		28.86		28.86	28.86		
			Discarded containers/ barrels	33.3		2.674		2.674		2.674	
			Chemical sludge from ETP	34.3		8		8	8		
			Organic oxygen compds		D6		nil	nil			
			Mixture of organic oxygen compds & Zinc compds		C14/D6		181.3	181.25		181.25	
			Inorganic acids		D2		40.36	40.36		40.36	
			Sulphides (sodium hydrogen sulphide)		C 13		35.65	35.65		35.65	
38	Zuari Industries Limited	Production of	Spent Catalyst	18.1		34.36		34.36		34.36	

	Jaikisaan Bhawan, Zuarinagar Goa 403726	nitrogenous & complex fertilisers	Sludge/ residue containing Arsenic	18.5		42		42	42		
			Used/ Spent oil	5.1		17.15		17.15		17.15	
			Furnace oil residue &sludge	3.1		38.061		38.061		38.061	
39	Procter & Gamble Hygiene & Health Care Ltd,Plot No.173,Kundaim Ponda	Whisper Sanitary Napkins, Vicks VapoRub	Used/ Spent oil	5.1		0.8		0.8		0.8	
40	Sunrise Zinc Ltd L-2 & 3, Cuncolim Indl Estate, Cuncolim Goa	Zn Electrolytic, Cu Electrolytic, Cu Ingots, Brass Ingots, Zn(GOB), Brass granules	sludge and filter containing zinc	6.1		1640.84		1640.844	1640.84		
41	Medispray Lab.Pvt.Ltd. 344/345 Kundaim Industrial Estate Kundaim Goa	Aerosols	Used/ Spent oil	5.1		0.05		0.05		0.05	
			Date expired/ discarded product	28.3		0.009		0.009	0.009		
			Sludge	33.2		0.01		0.01	0.01		
			Discarded containers/ barrels	33.3		1 no.		1 no.		1 No.	
42	Meditab Specialities Pvt Ltd. 352,Kundaim Indl Estate, Kundaim Goa	Tablets	Used/ Spent oil	5.1		0.071		0.071		0.071	
			Residues & wastes	28.1		0.085		0.085	0.085		
			Date expired/ discarded product	28.4		0.002		0.002	0.002		
			Sludge	33.2		0.007		0.007	0.007		
			Discarded containers/ barrels	33.3		0.3		0.3		0.3	
			Flue gas cleaning Residue	34.1		0.13		0.13	0.13		
43	Ciba Speciality Chemicals (India) Limited San Monica Works, Corlim Ilhas-Goa	Chemicals	Spent Solvents	20.2		531.2		531.2			531.2
			Distillation residue	20.3		139.7		139.7			139.7
			Residues of additives used in plastic manufacture like dyestuffs, stabilisers	22.1		172.3		172.3			172.3
			Sludge from disposal of barrels	33.2		4.55		4.55			4.55

			Discarded containers	33.3		15		15		15	
			Used/ Spent oil	5.1		1		1		1	
44	Unichem Laboratories Ltd,Plot Nos 17 & 18,Pilerne Indl Estate,Pilerne Bardez Goa 403511	Tablets & Capsules	Used/ Spent oil	5.1		0.166		0.166		0.166	
			Date expired/ discarded product	28.3		0.1004		0.1004	0.1004		
			Discarded containers	33.3		19 nos.		19 nos.		19 nos.	
			Ion Exchange material	34.2		nil		nil		Nil	
			ETP sludge	34.4		0.0473		0.0473	0.0473		
45	Blossom Pharmaceuticals, Plot No 21/22,Tivim Indl Estate, Karaswada Tivim,Bardez Goa	Cream & Ointments Ear Drops & Lotion	Residues & wastes	28.1		0.06		0.06	0.06		
			Date expired/ discarded product	28.3		Nil		Nil			
			Spent Org.solvents	28.5		Nil		Nil			
			chemical containing residue	33.1		0.01		0.01	0.01		
			Waste from disposal containers & barrels	33.2		0.04		0.04	0.04		
			Empty containers & bags	33.3		25 Nos. & 0.025 MT		25 Nos. & 0.025 MT		25 Nos. & 0.025 MT	
			Ion Exchange material	34.2		Nil		Nil			
46	Reliance Energy Ltd,Goa Power Station,Sancoale P.O Zuarinagar Marmugao Goa 403726	Electricity generation through combined cycle power plant	Used/ Spent oil	5.1		5.23		5.23		5.23	
47	Ranbaxy Laboratories Ltd B-2 Madkai Indl Estate Ponda Goa 403404	Tablets	Used/ Spent oil	5.1		0.25		0.25		0.25	
			Date expired/ discarded product	28.3		nil		nil			
			Chemical sludge from ETP	34.3		0.015		0.015	0.015		
48	Merit Pharmaceuticals Pvt. Ltd.250-A, Alto Porvorim Goa	Tablets & liquids	Date expired/ discarded product	28.3		0.014		0.014	0.014		
49	Aventis Pharma Ltd GDDIDC	Tablets	Used/ Spent oil	5.1		Nil		Nil			

	Plot No L-121 Phase III Verna Indl Estate Verna Goa		Processed sludge containing acids or other metals	26.1		Nil		Nil			
			Residues & wastes	28.1		2.48		2.48	0.52		1.96
			Date expired/ discarded product	28.3		0.04		0.04	0.04		
			Spent Org.solvents	28.5		0.049		0.049	0.011		0.038
			Discarded containers	33.3		438 Nos.		438 Nos.		438 Nos.	
			Deblistered Aluminium foil	33.3		2.76		2.76		2.76	
			Flue gas cleaning Residue	34.1		Nil		Nil			
			Toxic metal containing residue from used ion exchange material	34.2		Nil		Nil			
			ETP Sludge	34.3		0.61		0.61	0.61		
50	Meta Copper & Alloys Ltd,Near Upasnagar Post Zuarinagar Goa 403726	Brass Sheet,Strips & foils	Used/spent oil	5.1		0.936		0.936		0.936	
			ETP sludge containing Copper & Zinc compounds		B 3 & C14		12.99	12.99		12.99	
			Flue gas dust & other particles	8.3		624		624		624	
51	Centaur Pharma Pvt. Ltd. Plot No.3, Tivim Indl Estate, Karaswada, Mapusa Goa	Tablets, Syrup, Capsules, Vials	Used/ Spent oil	5.1		0.116		0.116		0.116	
			Pharma residues & wastes	28.1		0.00036		0.00036			0.00036
			Date expired/ discarded product	28.3		0.00036		0.00036			0.00036
52	Blue Cross Laboratories Ltd, L-17, Verna Indl Estate, Verna Goa	Tablets, Ointments, Liquids	Used/ spent oil	5.1		0.045		0.045		0.045	
			Date expired/ discarded product	28.3		nil		nil			
			Chemical sludge from ETP	34.3		0.323		0.323	0.323		
53	Cadila Health care Ltd Plt No 203 to 213, Kundaim Indl Estate, Kundaim Goa	Agiolax, Tablets, Injections, Suppositories	Used/ spent oil	5.1		4.202		4.202		4.202	
			Date expired/ discarded product	28.3		1.122		1.122	1.122		

			Chemical sludge, oil & grease residues from ETP	34.4		3.5		3.5	3.5		
54	Kare Labs Pvt Ltd,L-40 Verna Indl Estate Goa	Tablets, Liquids, Ointments	Date expired/ discarded product	28.3		0.165		0.165	0.165		
			off specifica-tions product	28.2		0.0015		0.0015	0.0015		
			Used/ Spent oil	5.1		Nil		Nil			
			Ion Exchange material	34.2		Nil		Nil			
			ETP sludge	34.3		0.6		0.6	0.6		
			Sludge from wet scrubbers	36.1		0.65		0.65	0.65		
55	Hindustan Lever Ltd, Plot No.128-129 & 324-326,Kundaim Indl Estate,Kundaim Goa	Soaps, DFA /Residue/ Volatiles, Crude Glycerine, Soap noodles	Used/ Spent oil	5.1		8.1		8.1		8.1	
			Waste oil	5.2		2.61		2.61		2.61	
56	Abbott India Ltd, L-18,Verna Indl Estate,Salcete Goa		Used/ Spent oil	5.1		0.361		0.361		0.361	
			Date expired/ discarded product	28.3		0.326		0.326	0.326		
			Discarded containers/ barrels	33.3		26 Nos.		26 Nos.		26 Nos.	
			Ion Exchange material	34.2		Nil		Nil			
			ETP Sludge	34.3		0.6		0.6	0.6		
			Sludge from wet scrubbers	36.1		0.334		0.334	0.334		
57	Sesa Goa Ltd Sonshi Mines, Pissurlem, Sattari-Goa	Iron ore	Used/ spent oil	5.1		31.94		31.94		31.94	
58	M/s Saini Motors, Four rd junction, housing board, near children's park, Gogal, Margao	Ford	Used/ spent oil	5.1		0.945		0.945		0.945	
59	Caculo Motors Pvt. Ltd. Goa, Caculo Enclave, St.Inez Panaji-Goa	Ford	Used/ spent oil	5.1		0.216		0.216		0.216	



60	Caculo Cars Pvt. Ltd. Goa, Caculo Enclave, St.Inez Panaji-Goa	Honda	Used/ Spent oil	5.1		0.18		0.18		0.18	
61	M/s Millennium Auto Survey No. 49/3, Castel wado, Nagao, Salcete-Goa		Used/ Spent oil	5.1		4.8		4.8		4.8	
			Filters contaminated with oil	3.3		1026 Nos		1026 Nos		1026 Nos	
			Paint wastes & residues	21.1		Nil		Nil			
62	Standard Transformers Pvt. Ltd. Plot No. 95, GIDC Indl area, Canacona-goa		Used/ Spent oil	5.1		1.12		1.12		1.12	
			Waste/ residue containing oil	5.2		0.00046		0.00046		0.00046	
			Filters contaminated with oil	3.3		0.002		0.002		0.002	
63	M/s Western India Shipyard Ltd., P.B. No. 21, Mormugao harbour, Mormugao-Goa	Ship parts & repairs	Used/ Spent oil	5.1		30		30		30	
64	Crescent Fragrances P Ltd, SB-6,7,8, Cuncolim Indl Estate, Cuncolim-Goa	Rose oxide, Hydroxyl Citronellal, Resinoid Benzoin, Argeol	Used/ Spent oil	5.1		0.0045		0.0045		0.0045	
65	M/s Syngenta India Ltd, Santa Monica Works, Corlim, Ilhas- Goa	Pretilachlor, Propheno-phos	used/ Spent oil	5.1		0.99		0.99		0.99	
			Waste/ residue containing oil	5.2		2.64		2.64		2.64	
			Residue/ sludge containing phenol	19.1		Nil		Nil			
			Distillation residue	20.3		4.05		4.05			4.05
			Waste/ residue containing pesticide	29.1		3630		3630			3630
			Chemical sludge (ETP)	29.2		138.68		138.68	138.68		
			Date exp & off spec pesticide	29.3		43.25		43.25			43.25
			Chemical cont. residue from decontamination & disposal	33.1		3.85		3.85			3.85
			Discarded containers/ barrels	33.3		4198 Nos.		4198 Nos.		4198 Nos.	

			Filters having organic liquids	35.1		0.197		0.197			0.197
			Spent Carbon	35.3		0.01		0.01			0.01
			Sludge from wet scrubbers	36.1		Nil		Nil			
			Ash from incineration	36.2		18.45		18.45	18.45		
66	Arshleen Enterprises, Vancio wadda, Guirim Mapusa-Goa		Used/ Spent oil	5.1		0.95		0.95		0.95	
67	Menezes Chemicals P LTd, Nirancal rd, Curti Ponda-Goa	Carisoprodol, Chloroform, Hydrous benzoyl peroxide	Residues & wastes	28.1		5.5		5.5	5.5		
			Spent Carbon	28.2		11 nos		11 nos		11 nos	
68	M/s Rukmini print pack ovt. Ltd., plot No. 33 Pilerne Indl Estate, Pilerne-Goa	Aluminium foil, PVC film	Plastic wastes & residue	21.1		** 60 No. barrels & 100 No. cans		** 60 No. barrels & 100 No. cans			** 60 No. barrels & 100 No. cans
69	M/s Permalite batteries, S.No 19/2, Gaunchem bhat, Mercers Ilhas Goa	Lead storage battery plate, Lead storage batteries	Lead dross/ waste	9.1		Nil		Nil			
70	M/s Goa Glass Fibre Ltd, Colvale Bardez Goa	Chopped strand mat, Roving Woven, Roving Chopped strands	Furnace oil sludge	3.1		17.16		17.16		17.16	
			Used/ spent oil	5.1		1.035		1.035		1.035	
			Ion Exchange material	34.2		Nil		Nil			
71	M/s Lupin Ltd, B-15 Phase I-A, Verna Indl Estate, Verna Goa	Tablets & Capsules	Waste/ residue containing oil	5.2		0.02		0.02		0.02	
			off specifica-tions product	28.2		Nil		Nil			
			Date expired/ discarded product	28.3		Nil		Nil			
			Chemical sludge from ETP	34.3		0.028		0.028	0.028		
72	M/s Mahindra Holidays & Resorts (India) Pvt. Ltd., (Club Mahindra) Varca-Goa	Hotel Industry	Used/ spent oil	5.1		0.108		0.108		0.108	
73	M/s Glenmark Pharmaceuticals Ltd, S-7, Colvale Indl Estate Bardez	Tablets, Capsules, ointments	Used/ Spent oil	5.1		0.09		0.09		0.09	
			off specifica-tions product	28.2		0.024		0.024	0.024		

	Goa		Date expired product	28.3		Nil		Nil			
			Chemical sludge from ETP	34.3		0.08		0.08	0.08		
74	M/s Cipla Ltd, M-61/62/63 Verna Indl Estate Salcete-Goa	Capsules, Dry powder, Lyophilized prdts	Used/ Spent oil	5.1		0.8		0.8		0.8	
			Residues & wastes	28.1		0.1		0.1	0.1		
			off specifica-tions product	28.3		0.27		0.27	0.27		
			Discarded containers/ barrels	33.3		4 nos		4 nos		4 nos	
			Flue gas cleaning Residue	34.1		0.15		0.15	0.15		
			ETP Sludge	34.3		0.4		0.4	0.4		
75	ACGL, (Bus body div) Bhuimpal, Sattari-Goa	Bus bodies & components	Sludge from bath containing residues	12.4		46.05		46.05			46.05
			ETP Sludge	34.3		83.52		83.52	83.52		
76	M/s Micro Labs Ltd, Plot no. S-155-159, Verna Indl Estate, Verna Goa	Tablets	Used/ spent oil	5.1		0.4		0.4		0.4	
			Wastes & residue	28.1		0.04		0.04	0.04		
			off specifica-tions product	28.3		0.02		0.02	0.02		
			Discarded containers/ barrels	33.3		20 Nos.		20 Nos.		20 Nos.	
			Flue gas cleaning Residue	34.1		0.02		0.02			0.02
77	M/s FDC Ltd., L-56/57, Verna Indl. Estate, Verna-Goa	Tablets	Used/ spent oil	5.1		0.6		0.6		0.6	
			Residues & wastes	28.1		0.3		0.3	0.3		
			Spent Carbon	28.2		0.04		0.04	0.04		
			ETP Sludge	34.3		0.6		0.6	0.6		
78	M/s Select holiday ResortsPvt Ltd. (Heritage Village Club), Arrossim beach, Cansaulim-Goa	Hotel Industry	Used/ spent oil	5.1		0.315		0.315		0.315	
79	M/s Silver Springs Pleasure Resort Pvt. Ltd. (Radisson White Sands Resorts GOA), Plot No. 177/1,179/1 Pedda, Varca, Salcete Goa	Hotel Industry	Used/ spent oil	5.1		0.05		0.05		0.05	
			Chemical sludge from ETP	34.3		0.1		0.1	0.1		
80	M/s DPC Motors Pvt. Ltd., 38/13 OLD NH 17, Porvorim Bardez Goa	Servicing of vehicles	Used/ Spent oil	5.1		10		10		10	
			Filter containing oil	3.3		250 nos		250 nos		250 nos	
81	M/s Grand Organic Pvt. Ltd.,	Steramide organic	Used/ spent oil	5.1		0.05		0.05		0.05	

	D-2/26, Bicholim Indl Estate, Bicholim-Goa	surfaces active agents, Emulsifier Carbonate	Chemical sludge from ETP	34.3		0.2		0.2	0.2		
82	M/s Venus Ethoxyethers Pvt. Ltd., 109-111, Bicholim Indl Estate, Bicholim-Goa	Organic surface active agents, Emulsifier, Dispense Dye intermediate	Used/ Spent oil	5.1		0.05		0.05		0.05	
			Chemical sludge from ETP	34.3		0.2		0.2	0.2		
83	M/s Esteem Industries Pvt. Ltd., 76-76, Piossurllem Indl Estate, Pissurlem-Goa	NP Ethoxylates, Castoral ethoxylates & Poly Ethylene Glycol-20 MT/day	Used/ Spent oil	5.1		0.05		0.05		0.05	
			Chemical sludge from ETP	34.3		0.2		0.2	0.2		
84	Beiersdorf India Pvt. Ltd., Nirancal Road, Curti, Ponda-Goa	Leukoplast tape, Hansaplast dressing, Lion plaster,Plaster of paris	Cutting & Trimming of PVC Tapes	28.1		0.3		0.3		0.3	
			Date exp/ discarded control sample	28.3							
85	M/s Konkan Paraffin Pvt. Ltd.,P-62, Pissurlem Indl Estate, Pissurlem	Solvents (OCS A & B)	Used/ Spent oil	5.1		0.03		0.03		0.03	
			oil containing cargo residue	3.1		0.05		0.05		0.05	
86	M/s FDC Ltd., L-121-B, Verna Indl. Estate, Verna-Goa	Tablets	Used/ Spent oil	5.1		0.6		0.6		0.6	
			Residues & wastes	28.1		0.3		0.3	0.3		
			Spent carbon	28.2		0.04		0.04	0.04		
			Chemical sludge from ETP	34.3		1.2		1.2	1.2		
87	Fort Aguada Beach Resort, Indian Resort Hotels, Sinquerim, Bardez-Goa	Hotel Industry	Used/ Spent oil	5.1		0.36		0.36		0.36	
88	M/s Duraline India Pvt. Ltd., Plot No. L-24 & 25, Verna Electronic City, Verna Goa	H.D.P.E, Silicone, Master batch	Used/ Spent oil	5.1		1.48		1.48		1.48	
89	Asia Pacific Hotel, Taj Exotica, Calwaddo, Benaulim, Salcete-Goa	Hotel Industry	Used/ Spent oil	5.1		1.32		1.32		1.32	
90	Sesa Industries Ltd., Pig Iron Plant, Amona P.O. Marcela, Bicholim-Goa	Pig Iron	Used/ Spent oil	5.1		4.9		4.9		4.9	
91	M/s Zenith Computers Ltd., P-33/ 37, Sancoale Indl Estate, Zuarinagar-Goa	Computers, Micro-processors & Peripherals	Spent lubricating & system oil	5.1		0.018		0.018		0.018	
92	M/s Wyeth Ltd, Plot no. L-137,	Tablets	Used/ Spent oil	5.1		0.05		0.05		0.05	

	Phase III-A, Verna Indl Estate, Verna Salcete-Goa		Waste/ residue containing oil	5.2		0.2		0.2			0.2
			Pharma residues & wastes	28.1		3.503		3.503			3.503
			Spent Catalyst/ spent carbon	28.2		Nil		Nil			
			Date expired/ discarded product	28.3		Nil		Nil			
			Spent Org.solvents	28.5		0.27		0.27	0.27		
			Discarded containers/ barrels	33.3		0.4		0.4		0.4	
			Flue gas cleaning Residue	34.1		2.2		2.2	0.8		0.8
			Chemical sludge from ETP	34.3		Nil		Nil			
			Filters having organic liquids	35.1		10 Nos		10 Nos			10 Nos
93	M/s Nicomet Industries Ltd, Plot No. L-15, L-19 & L-20, Cuncolim Indl. Estate, Cuncolim-Goa	Cobalt, Nickel, Copper	Used/ Spent oil	5.1							
			Process residue	7.2					3600		
94	M/s Hindustan Petroleum Corpn Ltd., Vasco terminal, P.B no. 48, F.L Gomes Rd, Vasco da Gama		Cargo residue, sludge	3.1		100		100		100	
			Wash water			100		100		100	
95	Dempo Marketing Co. Ltd, Eicher Workshop, Guirim	Automobile service station	Used/ Spent oil	5.1		0.756		0.756		0.756	
96	Finolex Cables Ltd., Ponda	Jelly filled Telephone cables, Light duty electrical cables	Used/ Spent oil	5.1		4.54		4.54		4.54	
97	Finolex Cables Ltd., Plot No. L-123 A/L9A Verna Indl Estate, Verna-Goa	Jelly filled Telephone cables, Light duty electrical cables	Waste/ residue containing oil	5.2		nil		nil			
98	M/s Kemtec India Photographic Pvt. Ltd, Plot No. 2,3 Kundaim Indl Estate, Kundaim-Goa	Developer, Fixer, Bleac-Fix Bleach Stabilizer	Process waste sludge	26.1		0.105		0.105		0.105	
			Chemical sludge from waste water	26.2							

			Dust from air filtration system	26.3							
99	M/s Dempo Shipbuilding & Engineering Pvt. Ltd, Bainguinim, Old-Goa	Ship Repairs, Ship building, fabrication work	Used/ Spent oil	5.1		Nil		Nil		Nil	
100	M/s Shiv Samarth Motors (I) Pvt. Ltd, A/4, Kundaim Indl. Estate, Kundaim-Goa	Servicing of vehicles	Used/ Spent oil	5.1		Nil		Nil		2	
101	M/s Toyo Laboratories Pvt. Ltd, Jaan Appt, Main Road, Ponda	Pharmaceutical formulations	Date expired/ discarded product	28.3		nil		nil			
102	M/s Taparia Tools Ltd, Cuncolim Indl Estate, Cuncolim		Used/ Spent oil	5.1		0.098		0.098		0.098	
103	M/s Indian Oil Terminal Ltd, Vasco Terminal, P.O. Box 154, Vasco		oil containing cargo residue, washing water & sludge	33.3		Nil		Nil		11.01	
104	M/s Tata Consultancy Services, Tivim Indl Estate, Mapusa-Goa		Used/ Spent oil	5.1		Nil		Nil			
			Solder Dross		B-10		0.724	0.724		0.724	
			Discarded containers	33.3		115 Nos.		115 Nos.		115 Nos.	
105	M/s Glow Paints Pvt. Ltd, Plot No. 121, Bethora Indl Estate, Bethora, Ponda	Paints & Primers	Paint wastes & residues	21.1		0.08		0.08		0.08	1.8
106	M/s Glow Marine & Allied Products, Shed No. 4, Bethora, Ponda-Goa	Paints & Primers	Paint wastes & residues	21.1		0.05		0.05		0.05	2.88
107	M/s Godrej & Boyce Mfg. Co. Ltd, E-3, Madkai Indl Estate, Madkai		Used/ Spent oil	5.1		0.54		0.54		0.54	
			Metal surface treatment such as chrome plating	12.9		0.15		0.15	0.15		
108	M/s Ramacanta V.S. Velingkar, Shirval Culna, Darbandora village, Sanguem	Iron ore B.P	Used/ Spent oil	5.1		0.35		0.35		0.35	
109	M/s D-Link (India) Ltd, Verna-Goa	Solder powder	Used/ Spent oil	5.1		Nil		Nil			
			Solder Dross		B-10		1.05	1.05		1.05	
110	M/s Gangadhar Narsingdas Agrawal, Huldool Dongor Bimbol Iron Ore Iron	Iron ore	Spent lubricating & system oil	5.1		1.6		1.6		1.6	
111	M/s Motiff Labs Pvt. Ltd,		Used/ Spent oil	5.1		0.0045		0.0045		0.0045	

	Bethora Indl. Estate, Bethora		Date expired/ discarded product	28.3		0.006		0.006	0.006		
			Spent Org.solvents	28.5		0.0016		0.0016			0.0016
112	M/s Prince Multiplast Pvt. Ltd, L-10, Verna Indl Estate, Verna	Crates	Used/ Spent oil	5.1		0.2016		0.2016		0.2016	
113	M/s Turbocam India Pvt. Ltd, D2-9, Margao Indl Estate, Margao		Used/ Spent oil	5.1		0.2		0.2		0.2	
114	Sigma Laboratories Ltd., F-6,7,8, Tivim Indl. Estate, Tivim Mapusa goa	Tablets	Used/ Spent oil	5.1		Nil		Nil			
115	Adelphi Pharmaceuticals, F-6,7,8 Tivim Indl. Estate, Tivim, Mapusa Goa	Tablets	Used/ Spent oil	5.1		Nil		Nil			
116	M/s Pliva Research (India) Pvt. Ltd, Corlim	R & D lab	Spent Org.solvents	28.5		0.06		0.06	0.06		
117	M/s Elin Electronics Limited, Verna Indl Estate	Electronic components	Used/ spent oil	5.1		0.16		0.16		0.16	
			ETP sludge	34.3		0.01		0.01	0.01		
			Solder Dross		B-10		0.317	0.317		0.317	
			Tin Copper Wire		B-7		1.1	1.1		1.1	
118	M/s IPSHEM, ONGC, Betul		Used/ Spent oil	5.1		Nil		Nil			
119	M/s Alcon Cement Company Pvt. Ltd, Bicholim	Cement	Used/ Spent oil	5.1		0.16		0.16		0.16	
			cotton waste	5.2		0.08		0.08			0.08
120	M/s Goa Invescast Ltd, Plot No. 105-106, Kundaim Indl. Estate, Kundaim		Used/ Spent oil	5.1		0.216		0.216		0.216	
121	M/s Shaiv Distilleries Pvt. Ltd, Plot No. 101-104, Bicholim Indl. Estate, Bicholim		Ion Exchange material	34.2		0.075		0.075	0.075		
122	M/s Mandovi Pellets (Div of Chowgule & Co.Pvt. Ltd.), Near Borim Bridge, Shiroda	Iron ore pellets	Used/ Spent oil	5.1		3		3		3	
			Wastes/ residues containing oil	5.2		4.3		4.3		4.3	
123	M/s Diebold India Pvt Ltd, Plot No. 45/46/47, Tivim Indl Estate, Mapusa		Used/ Spent oil	5.1		Nil		Nil			
124	M/s Mohit Steel Industries Pvt Ltd, Plot No. 342, Kundaim Indl Estate, Kundaim	MS Ingots	Used/ Spent oil	5.1		0.02		0.02		0.02	

125	M/s Mandovi Castings Pvt Ltd, Plot No. 341, Kundaim Indl Estate, Kundaim	MS Ingots	Used/ Spent oil	5.1		0.04		0.04		0.04	
126	M/s Crompton Greaves, Bethora Indl Estate	Fans & accessories	Used/ Spent oil	5.1		1.2		1.2		1.2	
			Chemical sludge from ETP	34.3		0.2		0.2	0.2		
127	M/s Crompton Greaves, Kundaim Indl Estate	Fans & accessories	Used/ Spent oil	5.1		0.6		0.6		0.6	
			Waste & residue	21.1		0.1		0.1	0.1		
128	M/s Vernekar Batteries Pvt Ltd, Corlim, Ilhas-Goa	battery plates	lead dross	9.1		Nil		Nil			
129	M/s Zuari Indian Oiltanking, Oil terminal, NH-17B, P.O. Zuarinagar		Used/ Spent oil	5.1		Nil		Nil			
130	M/s Zaraf Cosmetics Pvt Ltd, Near Court, Mapusa		Used/ Spent oil	5.1		0.005		0.005		0.005	
131	M/s Rukminirama Steel Rollings Pvt Ltd, Cuncolim Indl Estate	CTD/ TNT bars, mis rolls, end cuttings	Used/ Spent oil	5.1		Nil		Nil			
132	M/s South West Port Ltd, Berth 5A & 6A, Mormugao		Used/ Spent oil	5.1		8.9		8.9		8.9	
133	M/s Anandeya Zinc Oxides Pvt Ltd, Sancoale Indl Estate		Zinc Dross			Nil		Nil			
134	M/s West Coast Ingots Pvt Ltd, Kundaim Indl Estate	MS Ingots	Used/ Spent oil	5.1		0.0002		0.0002		0.0002	
135	M/s Topline Writing Instruments Pvt Ltd, Verna	Carbon paper, lac boxes & ink	Used/ Spent oil	5.1		0.075		0.075		0.075	
			Waste oil	5.2		0.1		0.1		0.1	
			Waste ink	21.1		0.3		0.3			0.3
			Discarded barrels	33.3		100 nos.		100 nos.		100 nos.	
136	M/s Mc Dowell & Co. Ltd & United Breweries Ltd, Bethora	Beer, IMFL, Wine	Used/ Spent oil	5.1		0.4		0.4		0.4	
			Spent carbon	35.3		0.5		0.5	0.5		
137	M/s Vijai Marine Services, Loutolim	shipbuilding unit	Sludge & filters contaminated with oil	3.3		0.4		0.4			0.4
			Waste oil	5.2		0.45		0.45			0.45
138	M/s Shririthik Ispat Pvt Ltd, Sanguem Indl estate	Sponge Iron	Used/ Spent oil	5.1		0.18		0.18		0.18	
139	M/s Professional Oral Care Products Pvt Ltd, Kundaim Indl Estate	Dental cream	Date expired product	28.4		46.52		46.52			46.52



140	M/s Goa Bottling Co. Ltd, Arlem	Sweetened Carbonated drinks & carbonated water	Used/ Spent oil	5.1		0.03		0.03		0.03	
			ETP sludge	34.3		0.025		0.025	0.025		
141	M/s Galaxy Beach Resort, Utorda	Hotel Industry	Used/ Spent oil	5.1		0.015		0.015		0.015	
			ETP sludge	34.3		0.07		0.07	0.07		
142	M/s Sika India Pvt Ltd, Verna Indl Estate	Construction additives	Used/ Spent oil	5.1		0.054		0.054		0.054	
			Discarded barrels	33.3		100 nos.		100 nos.		100 nos.	
143	M/ Ratiopharm India Pvt Ltd, verna Indl Estate	Pharmaceutical formulations	Spent mother liquor	28.5		0.4		0.4			0.4
			ETP sludge	34.3		0.00005		0.00005	0.00005		
144	M/s Bharat Petroleum Co Ltd, Verna Indl Estate		Used/ Spent oil	5.1		0.27		0.27		0.27	
145	M/s Advanced Oral Care Products Pvt Ltd, Kundaim Indl Estate	Dental cream	Date expired product	28.4		56.5		56.5			56.5
146	M/s Karthik Inductions Ltd, Kundaim Indl Estate	MS Ingots	Used/ Spent oil	5.1		0.09		0.09		0.09	
147	M/s Duraline India Pvt. Ltd., Sancoale Indl Estate	H.D.P.E, Silicone, Master batch	Used/ Spent oil	5.1		Nil		Nil			
148	M/s Shree Mahalsa Power Rentals, Tuem Indl Estate		Used/ Spent oil	5.1		Nil		Nil			
149	M/s Power Engineering Ltd, Tuem Indl Estate		Used/ Spent oil	5.1		Nil		Nil			
150	M/s Madras Auto Service, Phoenix, Gogol, Margao		Used/ Spent oil	5.1		0.18		0.18		0.18	
151	M/s Averina International Resorts Pvt. Ltd, Mobor Cavelossim, Salcete-Goa	Hotel Industry	Used/ Spent oil	5.1		0.2		0.2		0.2	
152	M/s Amiantit Fibreglass Industries India Pvt Ltd, Bicholim		Used/ Spent oil	5.1		0.54		0.54		0.54	
			Discarded barrels	33.3		2251 nos.		2251 nos.		2251 nos.	

\*\*Total number of units registered under Hazardous Waste Act = 248 Nos.

## SUMMARY

- 1 Total Recycleable Waste = 1784.829 MTA & 9600 Nos.**
- 2 Total Landfillable Waste = 5605.119 MTA**
- 3 Total Incinerable Waste = 4707.8913 MTA & 194 Nos.**

Table 6: STATUS OF BIO-MEDICALWASTE GENERATED DURING THE YEAR 2006-2007

Health Care Facilities (HCF) under Schedule VI of the Rules	Total no. of HCF	Total no. of Beds	No. of CBWTF/ Private agencies	No. of HCF which are utilising CBWTF	No. of HCF having treatment and disposal facilities	No. of HCF applied for Authorisation	No. of HCF granted Authorisation	Total no. of treatment equipment (excluding CBWTF)						Total Qty of BMW generated kg/day	Total Qty of BMW treated kg/day	No. of Health Care Facilities violated BMW Rules	Total no. of Show Cause Notices issued to defaulter HCF
								Incinerator		Autoclave	Microwave	Hydroclave	Shredder				
								With APCD	Without APCD								
A) Hospitals & Nursing homes in town with population of 30 lakhs and above <b>NIL</b>																	
B) Hospitals & Nursing homes in town with population below 30 lakhs:																	
a) with 500 beds and above	1	5211	NIL		1	182	182	2		135	135		138	1027.692	1027.69	NIL	NIL
b) with 200 beds but less than 500 beds	2																
c) with 50 beds but less than 200 beds	15																
d) with less than 50 beds	164																
C) All other institutions generating bio-medical waste not included in A) and B) <b>NIL</b>																	
<b>Total</b>	<b>182</b>	<b>5211</b>	<b>NIL</b>	<b>-</b>	<b>1</b>	<b>182</b>	<b>182</b>	<b>2</b>	<b>-</b>	<b>135</b>	<b>135</b>		<b>138</b>	<b>1027.692</b>	<b>1027.69</b>	<b>NIL</b>	<b>NIL</b>

Table 7: LIST OF MINING COMPANIES WHEREIN ENVIRONMENTAL PUBLIC HEARING PROCESS COMPLETED

Sr No	Name of mining lease	Name of operator	Village	Area in hectares	Survey No.	date of NOC	project cost in lacs	Env. CI date	T.C. No	Date of public hearing
1	Monte Udo iron & manganese ore mine of M/s Chowgule & Co. Ltd. T.C. No. 93/52	M/s Chowgule & Co. Chowgule House Mormugao Harbour Goa	Rivona/ Sanguem	74.005	88,92,95, 109 to 113 & 136	08/04/06	31,59,502		93/52	05/07/06
2	Khuntie Moll iron & manganese ore mine T.C. No. 57/53	M/s Chowgule & Co. Chowgule House Mormugao Harbour Goa	Sulcorna/ Quepem & Curpem & Vichundrem in Sanguem	99.33	11, 14 to 17 of Sulcorna, 2 of Curpem and 51 of Vichundrem	08/04/06	43,46,042		57/53	05/07/06
3	Cavrem iron & manganese ore mine T.C. No. 14/51	M/s Chowgule & Co. Chowgule House Mormugao Harbour Goa	Colomba/ Sanguem	99.82	72, 73, 77 to 89, 92 to 96, 101, 102 & 121	08/04/06	19,28,542		14/51	05/07/06
4	Vansvola Tembo ou ximevoril dongor Vichundrem iron ore mine	Atchut V.S. Velingkar Veling Post Mardol Goa	Netorlim/Vichundrem/Sanguem	42.97	Part of 93, 96, 97, 98 of Netorlim and Part of 5, 35, 36 of Vichundrem	08/04/06	13,92,395		67/52	05/07/06
5	Molitembo Naquerim Rivona iron & manganese ore mine	Molia tembo Naquerim iron & manganese ore mine of Mrs. Lidia Belinda Simoes T.C. no. 42/50	Rivona/Sanguem	50.8	159, 165, 166,169	27/09/06	50 lakhs		42/50	19/07/06
6	Ghatti Mordi-Salginim iron ore mine	Ghatti Mordi-Salginim magniferrous ore mine of M/s A. H. Jaffar & Sons	Verlem Salgini	45.295	survey no 34/1(P), 3(P) & 4(P), Salgnim village	27/09/06	5 lakhs			19/07/06
7	Careamol iron ore mine of Shri. Jaisinh Maganlal	Atchut V.S. Velingkar Veling Post Mardol Goa	Pirila/ Quepem	98.76	/ 13, 14 and Part of 7, 8, 9, 11, 12, 15 to 18 & 23				80/59	06/09/06

8	Macodiatolem E Mamatembo iron ore mine Sociedade Sri. Mahalaximi Compania Mineira Limitada	Atchut V.S. Velingkar Veling Post Mardol Goa	Netorlim/Sanguem	72.72	/Part of 69, 74 to 78				27/50	06/09/06
9	Bencremdado & Cadiabandavoril Dongor iron & manganese ore mine of Shri. Crishna Mukunda Camotim	Atchut V.S. Velingkar Veling Post Mardol Goa	Vichundrem, Netorlim & Mangal /Sanguem & Quepem/	58.64	part of 42 in Vichundrem, part of 12 in Mangal and Part of 69 in Netorlim				6./53	26/10/06
10	Marga Fondcul or Chicolmolo mine of M/s Compania Mineira Progresso Ltda	Atchut V.S. Velingkar Veling Post Mardol Goa	Vichundren & Curpem/ Sanguem		/Part of 51, 52 & 53 of Vichundrem & Part of 2, 52 & 55 of Curpem				<b>6./63</b>	26/10/06
12	Canvorizoritembo Motatembo Bandoli Dongor mine of Shri. Bhanudas B.S. Cossombo	Atchut V.S. Velingkar Veling Post Mardol Goa	Curpem & Vichundrem/ Sanguem		/46 to 50 & 53, Part of 51,52 & 54 of Curpem And 18/1 & part of 17/1, 53 of Vichundrem				9./51	26/10/06
13	Govya Moll iron & manganese ore mine	M/s K.N. Sharieff	Sulcorna/Quepem	54.41	/ 11, 43, 44 & 47				2/Fe.Mn/74	26/10/06
14	Caneli Dongor mine T.C. 60/51	Shri. Miguel Mascarenhas	Vichundrem/Sanguem	82.6	parts of 43,45 to 48, 50 & 51				60/51	01/12/06
15	Kutia Tembo iron ore mine of S. Kantilal & Co. Pvt. Ltd. T.C. No.49/56	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati / Sanguem	98.7	27,28,60,61 & 62		52 lac		49/56	01/12/06
16	Gonsumordi iron ore mine T.C. No. 30/56 of S. Kantilal & Co. Pvt. Ltd. at Bati Village in Sanguem taluka	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati / Sanguem	100	60, 67,68,69,72,73 &75		51 lac		30/56	01/12/06

17	Toliavoili Zambod iron ore mine T.C. No. 17/52 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati,Villeina / Sanguem	94.9	1,34 to 38		49 lac		17/52	01/12/06
18	Bamnaudcacode e Outros iron ore mine T.C. No. 36/56 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati , Cumbari/Sanguem	97.94	17 & 53		48 lac		36/56	01/12/06
19	Kairad e Tolaoli iron ore mine T.C. No. 18/52 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Naiquinim, villiena,Bati / Sanguem	46.89	22,23,24,26,28 of Naiquinim, 81 of Bati & 27,28 & 29 of Villiena		35 lac		18/52	01/12/06
20	Villipiaries iron ore mine T.C. No. 29A/56 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati / Sanguem	98.15	27, 53, 54, & 55		48 lac		29A/56	07/12/06
21	Paicatembo e adj iron ore mine T.C. No. 49/58 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati / Sanguem	83.218	1, 2, 4, 5, 60, 63,64, 66,70,71,72 & 74				49/58	07/12/06
22	Madatembo iron ore mine T.C. No. 20/60 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati / Sanguem	99.1452	5,23,25-29		50 lac		20/60	07/12/06
23	Zamsodo iron ore mine T.C. No. 61/52 of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Chambers P.B. No. 35, Margao Goa	Cumbari/ Sanguem	50.82	16		40		61/52	12/12/06
24	Gotifonda Tembo Colomba iron ore mine	Shri. Vaicunt Cadnekar	Colomba/Sanguem	88.15	88/1, 88/2 part of 138,139,140,141, 87/1, 89,		40. lac		75/52	12/12/06
25	Carpadegga (Codli) iron ore mine	Xec Mustafa Cadar	Codli/Sanguem	40.29	30 to 34		31 lac		25/56	12/12/06

26	Tembeachem Dongor iron ore mine	Jairam B. Neugui	Maina, canvorem, Rivona in Quepem & Sanguem	99.37	7,66 & 77of Maina, 34, 35, 36 of Cavorem and 168/1 & 168/3 of Rivona		20 lac		51/51	12/12/06
27	Marsodo iron ore mine, of M/s Damodar Mangalji & Co. Ltd.	M/s Damodar Mangalji & Co. Ltd.	Surla & Cotambi/ Bicholim/	78.274	295(P) 388 to 393, 395 to 403, 407, 409, 410, 412 & 419 of Surla and 34 & 40 of Cotambi				33/53	17/03/07
28	Ambavali Bhard iron ore mine	M/s Damodar Mangalji & Co. Ltd.	Surla/ Bicholim	29.14	/Part of 388, 385, 378, 377, 376, 45 & 41				1./55	17/03/07
29	Sarvona iron & manganese ore mine at Sarvona village in Bicholim Taluka, Norh Goa District	M/s Zantye & Co. Pvt. Ltd.	Sarvona/Bicholim	72	/42, 54, 56, 58, 60, 61 & 99				28/53	24/03/07
30	Poicul Compro iron ore mine of Mineira Nacional Ltda	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Melauli/ Satari/	70.6327	33, 34, 39, 41, 42,45,48, 49 & 50		50 lac		49/51	public hearing cancelled
31	Cosmoichem Mola iron & manganese ore mine T.C. no. 29/51 at Sulcorna village Quepem Taluka of	Mr. Prashant Naique legal heir of Damu Naique G-28, Phoenix Estate, Gogol Margao Goa	Sulcorna/ Quepem	24.25	/44, 46, and Part of 11 & 51				29/51	24/01/06
32	Batagal iron ore mine T.C. 12/53 Maina village of Quepem North Goa District of late	shri. Vaicunt Cadnekar LH Ajit V.M. Cadnekar75, Francisco de Loyola Road, Margao Goa	Maina, Cavorem/ Quepem/	31.16	26, 27, 28, 64, 65 & 68 of Maina & 15,16, 17,& 19 of Canvorem				Dec-53	24/01/06
33	Polo Dongor iron ore mine T.C. 65/51 at Curpem Sanguem South Goa of	Mis G.F. Figueiredo LH of Late Amalia R.G. FigueiredoH.No. 2730, Murida Fatorda Margao Goa	Curpem/ Sanguem	58.27	/Part of 1, 2, 5 & 8				65/51	31/01/07

34	Gogolegalli Sordo iron ore mine T.C. 68/59 at Bati & Cumbari Village at Saguem Goa of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati & Cumbari/ Sanguem	23.02	53 of Bhati & 18 of Cumbari				68/59	31/01/07
35	Souti Gundo iron ore mine T.C. 141/53 at village Nanus, Ponda Taluka North Goa District	M/s Orient (Goa) owner. Smt. Shashikala kakodkarAtmaram Commercial Complex P.B. No. 264 Panaji Goa	Nanus/Ponda	28.972	Part of 177, 178, 180 to 186 & 188				143/53	09/02/07
36	Carimol Charadimol iron ore mine of S. Kantilal & Co. Pvt. Ltd.	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati / Sanguem	93.36	7,8,9, 16,17 & 18		52 lac		31/57	07/12/06
37	Madanrica iron ore mine of S. Kantilal & Co. Pvt. Ltd	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Bati/ Sanguem/	116.772	27,53,58,59,60,75 & 76				32/57	07/12/06
38	Borga iron ore mine consisting of Borga Dongrachem Fall mine and Oiteiro Borga do Bairo Queri	Pandurang Timblo Industries	Rivona/Sanguem	168.698	/73, 74, 75, 150, 151, 152 and Part of 30, 31, 72, 76, 77, 149, 153, 154, 174, 189, 196		60 lac		29/52, 34/50	31/01/07
39	Dudal iron ore mine of Salgaoncar Mining Industries	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Dudhal/Sanguem	90.5359	/1/1, 2 to 13, 2/1, 2, 3/0, 4/1,2, 5/1,5/2,5/3, 15/0, 42/0, 46/0, 41/1 & 41/2				24/50	31/01/07
40	Iranqui iron ore mine of M/s Kantilal Co. Pvt. Ltd	A. Salgaoncar, Salgaoncar Cvhambers p.B. No. 35, Margao Goa	Potrem/Sanguem		/10, 12 to 16				34/57	31/01/07
41	Mahavir Bauxite mine of	Shri. Pravin Kumar Gosalia	Cabo-de- Rama, Nuem, Canaguinim/Canacona							07/02/07

42	Restarting of Chormol-e-Adjacentes iron ore mine of	M/s Babal Sanvlo Naik Tari	Bhati/Sanguem		29/1, 29/2, 30, 31 & 53(P)					22/03/07
43	Common Hazardous Waste Management facility	Goa IDC	Dharbandora/Sanguem		193					07/03/07



Table 8: SYNOPSIS OF MAJOR CASES PENDING IN THE HIGH COURT OF BOMBAY AT GOA.

Sr. No.	Case	Present Status.
1.	<b>i) Oscar Martins v/s Goa State Pollution Control Board and ors. (W.P.No.376/2006)</b>	A Public Interest Petition was filed in the High Court alleging that certain industries at the Cuncolim Industrial Estate were causing pollution of the area. The Board on confirming the same issued closure directions to all the said polluting units. However on the insistence of the Units, the Court appointed NEERI to inspect and recommend pollution control measures to be undertaken by the said units. The court then directed the Board to permit the units to operate subject to the implementation of the NEERI recommendations. On continuous monitoring by the Board, it has been observed that the units have complied with the NEERI recommendations. The Board has filed an Affidavit enclosing Inspection Reports of inspections carried out of all Industrial Units that are subject matter of this Petition. The said report indicates the compliance of all 12 units with the NEERI recommendations; as of date except the disposal of Hazardous Waste generated by the units into a common treatment and disposal site. The proposal for setting up a permanent landfill site by the State, for storage of hazardous waste is pending for clearance with the MoEF. The Board has been continuously monitoring the units at the Cuncolim Industrial Estate. Presently the units are storing the Slag as well as the Hazardous Waste generated by them in their premises in an environmentally secure manner, which has been confirmed and monitored by the Board.
	<b>ii) CCAF v/s State of Goa and ors. (PIL W.P. 1/07)</b>	A letter addressed to the Judges of the Court has been converted into a suo motu Writ Petition. The letter seeks the intervention of the court into the various aspects of alleged pollution at the Cuncolim Industrial Estate. The allegations made in the letter are similar to the grounds raised in (W.P. No. 376/2006) As the allegations made in the letter are similar to the grounds raised in (W.P. No 376 / 2006), both matters are being heard together.
	<b>iii) Ashish Dessai V/s State of Goa and ors. (W.P. No. 44/2007)</b>	This Petition has been filed on grounds similar to those raised in W.P. No. 376/2006; however 2 more units at the Cuncolim Industrial Estate have been added as parties. As the allegations made in the letter are similar to the grounds raised in (W.P. No 376 / 2006), both matters are being heard together.
2.	<b>Goa Foundation v/s State of Goa and ors. (Jain Udyog) (W.P. No. 85/2006)</b>	All 5 Sponge Iron Units that exist in the State are respondents in this Petition, which seeks closure of these units on grounds of pollution. The Board had initially ordered closure of the Units on account of environmental pollution caused by them. However on the units were allowed to reopen subject to compliance of various recommendations imposed on them by the Hon. High Court and the Board. The Board is continuously monitoring these units and their pollution control measures and will report the same to the court. All matters concerning these Sponge Iron Units, pending before the High Court have been tagged with this Petition. NEERI had been requested by the Board to conduct a study of all 5 Sponge Iron Units that exist in the State. The Report of this study has to be placed before the court, which will then hear arguments on the continuation of operation of these units.

3.	<b>Florian Lobo v/s State of Goa and ors. (PILW.P. No.3/2005)</b>	The High Court constituted a committee headed by the Director of Municipal Administration to identify Garbage Disposal/landfill sites, in each Municipality for disposal of Garbage generated in the respective Municipalities. The Govt. has filed an affidavit placing on record 12 sites that are to be acquired by the State to set up garbage disposal and landfill sites for the Municipalities in the State. The Board has granted authorization to all the 12 sites identified by the Govt. The court has directed the Govt. to go ahead with the land acquisition process for the same. The Directorate of Panchayats has filed an affidavit placing on record the Rural Garbage Scheme in which all 189 village Panchayats have to identify sites for disposal of garbage from their respective areas. The Govt. on getting clearance from the GSPCB will then acquire these individual sites. Presently all applications by the Panchayats for identifying sites for disposal of garbage, have been cleared/rejected as the case may be by the GSPCB. The Court has further directed GSPCB to prepare a scheme on recycling of waste in collaboration with the Department of Science and Technology, which is in progress.
3.	<b>V/S State of Goa and ors. (SMW.P.No. 1/2005)</b>	The Board is formulating a policy for Industrial Siting under the Spatial Environmental Programme 2005-2007, under the coordination and guidance of the CPCB. The Programme is being prepared by the Board under 3 heads namely the Environmental Atlas for the State of Goa, the Zoning Atlas for Siting of Industries and the Industrial Siting Guidelines for North and South Goa. The Draft Reports for all 3 have been finalized by the Board and copies of the same have been forwarded to the appropriate authorities in Delhi and CPCB for further action. The progress regarding the same is being reported to the Court.
4.	<b>The Concerned citizens of Vasco v/s The Chairman MPT and ors (SMPIL W.P. No.8/01)</b>	The Court has directed NEERI to monitor the Ambient Air quality in Vasco to ascertain whether air pollution from the port handling operations at berth no. 10 and 11 are violating standards set out for port areas and for residential areas of the port town. The Board has to assist NEERI in the carrying out of this study. The Report of the same has to be submitted to the Court by March 2008.



