

# **ANNUAL REPORT**

**2002-2003**



**MEGHALAYA STATE POLLUTION CONTROL BOARD,  
“ARDEN”, LUMPYNGNGAD,  
SHILLONG – 793014**

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# *ANNUAL REPORT FOR THE PERIOD 1<sup>st</sup> APRIL 2002 - 31<sup>st</sup> MARCH 2003.*

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**1****INTRODUCTION**

The State Board for Prevention and Control of Water Pollution, Meghalaya was constituted by the Government of Meghalaya on the Sixteenth Day of November, Nineteen Eighty Three in pursuance of the Water (Prevention & Control of Pollution) Act, 1974. After the enactment of the Air (Prevention & Control of Pollution) Act, 1981, the enforcing responsibility of the Act was entrusted to the Board. The Board was later renamed as Meghalaya State Pollution Control Board in 1988. The functions of the Board are as laid down under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 17 of the Air (Prevention and Control of Pollution) Act, 1981.

Besides the enforcement of the Water Act and the Air Act, the Board is also enforcing the following Acts, Rules and Notifications: -

- 1) The Water (Prevention and Control of Pollution) Cess Act, 1977, and as amended by Amendment Act in 1991.
- 2) The Water (Prevention and Control of Pollution) Cess Rules, 1978.
- 3) The Hazardous Waste (Management and Handling) Rules, 1989.
- 4) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
- 5) The Manufacture, Use, Import, Export & Storage of Hazardous Micro organism or Cells Rules, 1989.
- 6) The Public Liability Insurance Act, 1991.
- 7) The Environmental Impact Assessment Notification, 1994.
- 8) The Chemical Accidents (Emergency Planning, Preparedness & Response) Rules, 1996.
- 9) The Bio – medical Wastes (Management & Handling) Rules, 1998
- 10) The Recycled Plastics Manufacture and Usage Rules, 1999.
- 11) The Fly Ash Notification, 1999.
- 12) The Noise Pollution (Regulation and Control) Rules, 2000.
- 13) The Ozone Depleting substances (Regulation) Rules, 2000.
- 14) The Municipal Solid Wastes (Management & Handling) Rules, 2000.
- 15) The Batteries (Management & Handling) Rules 2001.

The Board has been functioning with 50 (Fifty) Staff as on 31-03-2003 against a sanctioned strength of 87 (Eighty Seven). The details of staff position are given in Annexure-I. The organization chart of the Board is given in Annexure-II.

The Central Office of the Board is located in Shillong. At present, the Board does not have any Regional or District Offices. The Central Office is responsible for framing general policies relating to enforcement of the Acts and Rules. It also looks after the general administration and coordination with other agencies. Besides, it takes up public awareness programmes on matters relating to environment protection and pollution control. The Central Laboratory is well –equipped and carries out analysis of samples of water, waste water, stack emission, ambient air, bacteriological- tests etc.

**The other activities of the Central office of the Board are: -**

- (i) Inspection of industries and local bodies.
- (ii) Monitoring the quality of water and wastewater.
- (iii) Monitoring the quality of ambient air and stack emissions.
- (iv) Inspection of sites proposed for setting up of industries to verify the suitability of the same from environmental point of view.
- (v) Water bodies monitoring under National Water Quality Monitoring (NWQM) Programme.
- (vi) Ambient air quality monitoring under National Air Monitoring Programme (NAMP).
- (vii) Offering guidance to industries and local bodies on statutory provisions.
- (viii) Issue of “Consents to Establish” and “Consents to Operate” in respects of industries, mining projects specified developmental projects and municipal bodies.
- (ix) **Waste Management under E.P. Act.:**
  - Hazardous Waste Management
  - Identification of Sources
  - Characterisation & Quantification of Wastes
  - Enforcement of provisions of the Rules
  - Monitoring of compliance to standards

(x) **Bio-Medical Waste Management:**

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

(xi) **Municipal Solid Waste Management Act:**

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of provisions of the Rules
- Monitoring of Compliance to Standards

*Batteries Management*

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

(xii) **Plastic Management :**

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

(xiii) **Noise Pollution Management :**

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

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## CONSTITUTION OF THE BOARD AND CHANGES THEREIN

The State Government nominates the members of Meghalaya State Pollution Control Board. The Board was constituted under Section 4 of the Water (Prevention & Control of Pollution) Act, 1974 vide Notification No. PHE. 161/83/1 dt.the 16<sup>th</sup> November, 1983. The last reconstitution was notified out in May 1998 vide Notification No. PHE 161/83/178 dtd. the 21<sup>st</sup> May 1998. However, the three non-officials members were renotified vide Notification NO.PHE.161/83/187 dt.the 24<sup>th</sup> March, 1999 & NO.PHE.161/83/205 dt.the 5<sup>th</sup> January, 2001.

The Board consists of 17(seventeen) members nominated by the State Government as per provisions laid down in Sub-Section (2) of Section 4 of the Water (Prevention and Control of Pollution) Act 1974. Besides the Chairman and the Member Secretary, there are 5(five) official members representing various State Government Departments, 5(five) members representing Local Authorities, 2(two) Members representing the Co-operatives and Corporations owned, managed or controlled by the State Government and 3(three) Non-official Members. The list of the Members of the Board is appended at Annexure-III (A).

Shri B.K.Choudhury continued as the Chairman upto 22<sup>nd</sup> August, 2002. He was succeeded by Shri.H.Datta Roy who continued as Chairman during the financial year, and Shri. S.K.Blah continued as the Member Secretary of the Board during the financial year.



**3****MEETINGS OF THE BOARD WITH MAJOR DECISIONS**

During the year 2002-2003, the Board conducted the following Meetings: -

SL. NO.	MEETING NO.	DATE	VENUE	NO. OF MEMBERS ATTENDED THE MEETING
1.	Thirty seventh Meeting	2 <sup>nd</sup> August, 2002	Office Chamber of the Chairman, MSPCB	10 (ten)
2.	Thirty eighth Meeting	15 <sup>th</sup> January, 2003	Office Chamber of the Chairman, MSPCB	6 (six)

**The following decisions were taken in the above Meetings: -**

**37<sup>th</sup> BOARD MEETING:**

- It was consented that units which have become unsuitable after the Notification of the siting criteria would be asked to relocate the alternative site.
- The Board approved the proposals for constitution of the Selection Committees and the Assessment cum-Promotion Committees in line with the provisions as contained in the Service Rules.

**38<sup>th</sup> BOARD MEETING:**

- It was decided that since Govt. Hospitals have failed to pay the authorisation fees as required under the Rules and have been operating without authorization of the Board, action should be initiated them as per the relevant Acts and Rules.

**4**

**COMMITTEES CONSTITUTED BY THE BOARD AND THEIR ACTIVITIES**

The “Consent Committee” and the “Purchase Committee” of the Board are the ones which were last reconstituted on the 20<sup>th</sup> November, 1998 and the 16<sup>th</sup> November, 2000 respectively. The Selection Committee for recruitment to various posts under the Board was last reconstituted on the 18<sup>th</sup> August 2000.

The compositions of the Consent Committee, the Purchase Committee and the Selection Committee are as given in Annexure-III(B), Annexure-III(C) and Annexure-III(D) respectively.

**5**

**MONITORING NETWORK FOR AIR QUALITY, WATER QUALITY,  
AND NOISE LEVEL**

**5.1 MONITORING OF AIR QUALITY**

**(A) NATIONAL AIR QUALITY MONITORING**

There are 2(two) National Air Quality Monitoring Programme (NAMP) stations in the state and both are located in Shillong City. One station is located in the office premises of the Board at Lumpyngngad, Shillong and the other station is located at the State Tuberculosis office building at Khyndailad, Police Bazar, Shillong.

Suspended Particulate Matter (SPM), Sulfur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>) and meteorological parameters viz. wind speed, wind direction, ambient air temperature, humidity, etc. were monitored at these NAMP stations and the observations are as given below:-

**STATION AT BOARD'S OFFICE PREMISES, LUMPYNGNGAD, SHILLONG**

MONTH & YEAR	PARAMETERS TESTED (MONTHLY AVERAGE)			
	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )
APRIL, 2002	62.1	BDL	7.3	42.7
MAY, 2002	47.4	BDL	5.5	36.2
JUNE, 2002	40.7	BDL	3.8	30.4
JULY, 2002	45.6	BDL	2.8	22.3
AUGUST, 2002	39.2	BDL	BDL	16.4
SEPTEMBER, 2002	30.6	BDL	BDL	23.9
OCTOBER, 2002	46.2	BDL	BDL	25.9
NOVEMBER, 2002	NA	NA	NA	NA
DECEMBER, 2002	NA	NA	NA	NA
JANUARY, 2003	NA	NA	NA	NA
FEBRUARY, 2003	NA	NA	NA	NA
MARCH, 2003	NA	NA	NA	NA

**BDL: Below Detectable Limits**

**NA: Not Available**

### STATION AT STATE TUBERCULOSIS BUILDING, POLICE BAZAR, SHILLONG.

MONTH & YEAR	PARAMETERS TESTED (MONTHLY AVERAGE)			
	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )
APRIL, 2002	151.9	6.8	12.0	81.8
MAY, 2002	79.6	BDL	8.4	54.3
JUNE, 2002	61.0	BDL	5.3	50.9
JULY, 2002	88.7	BDL	12.4	50.2
AUGUST, 2002	102.7	BDL	13.0	57.4
SEPTEMBER, 2002	104.9	BDL	7.3	57.4
OCTOBER, 2002	99.8	3.1	11.0	61.9
NOVEMBER, 2002	NA	NA	NA	NA
DECEMBER, 2002	NA	NA	NA	NA
JANUARY, 2003	NA	NA	NA	NA
FEBRUARY, 2003	NA	NA	NA	NA
MARCH, 2003	NA	NA	NA	NA

**BDL: Below Detectable Limits**

**NA: Not Available**

### (B) AIR QUALITY MONITORING FOR SOME INDUSTRIES

The Board carried out ambient air and source emission quality monitoring for some industrial units operating in the state. The following results were obtained during the monitoring: -

#### I. AMBIENT AIR QUALITY DATA.

SL. NO.	NAME OF THE INDUSTRY & LOCATION	SPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )
1.	Municipal Dumping Ground, Mawiong				
	(i) Back Side	58.8	BDL	34.8	42.1
	(ii) Middle	75.6	BDL	28.3	53.3
	(iii) Front Gate	67.6	BDL	25.0	46.3

## II. STACK EMISSION CHARACTERISTICS.

SL. NO.	NAME OF THE INDUSTRY & LOCATION	SPM ( $\mu\text{g}/\text{Nm}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{Nm}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{Nm}^3$ )
1.	M/s. Hindustan Coca-Cola & Beverages, Byrnihat.	98.3	-	-

### (C) ASSESSMENT OF VEHICULAR POLLUTION

The main sources of air pollution in the state are the vehicular exhaust emissions simply because the per capita vehicular density in the urban areas is very high. The Board has an Auto-emission-testing centre in its office premises at Lumpyngngad, Shillong which has been functioning since January 1994. This Centre caters to the exhaust testing needs for the commercial petrol - driven light vehicles only.

As per arrangement with the Office of the Commissioner of Transport, Meghalaya, the periodical renewals of permits of taxis are subject to submission of “Green Certificates” issued from the Office of the Board. During the year 2002-2003, the number of vehicles tested at the Centre is as follows:-

PERIOD	TYPE OF VEHICLES	TOTAL NO. OF VEHICLES TESTED	NO. OF VEHICLES WITHIN LIMIT	PERCENTAGE NOT COMPLYING TO EMISSION STANDARDS
01.04.2002 to 31.03.2003.	Petrol-Driven LMV	1937	1497	22 %

### 5.2 MONITORING OF WATER QUALITY.

One of the major objectives of the Meghalaya State Pollution Control Board as per the Water (Prevention and Control of Pollution) Act 1974 is to promote cleanliness of water bodies in the State. To achieve this objective, the Board has been carrying out monitoring of prominent rivers/lakes and springs of the state under the following programmes:

## **5.2 (A) MONITORING OF NATURAL WATER BODIES UNDER NWQM PROGRAMME**

Under the National Water Quality Monitoring (NWQM) Programme, the Board has been monitoring the water quality of five water bodies namely, Umiam Lake, Ward's Lake, Thadlaskein Lake and Kyrhuhkhla River on a quarterly basis since 1990. The analysis results obtained during 2002-2003 are shown in Tables: 1- 4 respectively.

It is observed from the above-mentioned tables, that Thadlaskein Lake are comparatively less polluted than the other monitored water bodies. River Kyrhuhkhla which flows through the coal mining areas of Jaintia Hills District shows remarkably less pH values, which is clear indication of water pollution from coal mining activities. Ward's Lake and Umiam Lake receive most of the wastewaters and solid wastes generated in Shillong city. As such, the water quality of these water bodies shows the presence of high amount of total and Faecal Coliforms, indicating high organic and bacterial pollution load received from Shillong city.

During the year, the Central Pollution Control Board, Delhi sanctioned 8 (Eight) new monitoring stations under NWQM programme. These stations are for three important rivers of the state namely, Myntdu River, Ganol River, and Simsang River and five groundwater sources, namely Police Bazar Spring in Shillong; Mawpdang Spring at Mawlai; Narbong Well at Byrnihat; Wah-U-Dkhar Spring at Sohra (Cherrapunjee) and Umsahep Spring at Bapung. The Water quality analysis results obtained from these monitoring stations are given in Tables 5 – 12

It is seen from the above tables that rivers Simsang and Myntdu show the presence of high amount of total and faecal coliform. Simsang and Myntdu rivers are important, as they are the major sources of drinking water supply to Williamnagar and Jowai towns respectively. The monitored spring and wells also show presence of total and faecal coliform indicating groundwater contamination.

## **5.2(B) ANALYSIS OF WATER SAMPLES RECEIVED BY THE BOARD'S LABORATORY**

The Board analysed 155 water samples received from various Govt. and Semi Govt. organizations of the state.

## **5.3 NOISE LEVEL MONITORING DURING DIWALI FESTIVAL.**

Monitoring of noise levels was conducted in Shillong on the 1<sup>st</sup> November, 2002 before Diwali and on Diwali Day i.e. the 4<sup>th</sup> November 2002 to compare the noise levels during day time and night time before and on the Festival day. The monitoring was conducted in compliance with the Govt. of India Notification NO. G.S.R. 682 (E) dated 5<sup>th</sup> October, 1999 and the interim directions of the Honorable Supreme Court.

Day time noise levels all over Shillong before Diwali were found to be higher than the prescribed standards mainly because of vehicular traffic. On Diwali Day, the noise levels were observed to be even higher than on the previous two days in all locations.

During the nights before Diwali Day, the noise levels as observed in most locations were more than the prescribed standards mainly because of vehicular traffic. On Diwali day, the noise levels recorded were much higher throughout Shillong due to bursting of crackers.

Day time and Night time noise level readings recorded before and on Diwali Day are as given in Table –13 and Table –14 respectively.

## **PRESENT STATE OF THE ENVIRONMENT, ENVIRONMENTAL PROBLEMS AND COUNTER MEASURES.**

Meghalaya is a Hill State located in the North-Eastern region of the Country. It covers an area of about 22,429 Sq.kms. and its population as per 1991 census is 17,74,778. Due to certain factors, the industrial development in the State has been slow and as such, the environmental pollution from industrial sources is not that significant. In the recent past, the State has been experiencing rapid population growth and fast urbanization. It is estimated that about 80% of the pollution is caused by the indiscriminate discharge or disposal of domestic sewage, trade effluents, urban solid wastes, bio-medical wastes; by domestic fuel burning and by vehicular exhaust emissions. However, the exhaust emissions from vehicles are the major contributors to air pollution since road transport is the only mode of transport in the State. Meghalaya is rich in mineral resources and the main minerals are coal and limestone, which are found in almost the entire southern belt. Mining activities are mostly in private hands and as such coal and limestone are being exploited in an unscientific and unplanned manner without any measures for reclamation of mined areas. Such mining activities have been causing severe water pollution and environmental degradation in the mining areas.

As per information from the Directorate of Industries, Meghalaya there are about 3,500 industrial units/establishments in the State. Most of these are small and tiny units, which are non-polluting in nature. However, some of these are polluting units and one of them is a cement plant under large-scale industrial sector, which also falls under the 17 categories of highly polluting industries. The others are medium and small-scale cement plants, lime calcination plants, ingot manufacturing and steel rolling mills, Ferro alloys manufacturing unit, stone crushing units, auto workshops and auto servicing units. Most of the lime calcination units are coal – fired and kilns are of traditional type (pajwa), which do not have even hood and chimney for venting out the smoke. So far, no cost effective pollution control system could be suggested for such units due to the peculiar nature of the kiln structures, the type of coal used and the climatic condition at the places where such unit are dominantly located.



The Board is regulating the discharge of effluents and air emissions from industries through the issuance of Consents to Establish / Operate under Water & Air Acts. While issuing Consents, conditions are being imposed with regard to the effluent and the emission standards to which industries have to comply with. Conditions are also stipulated for setting up effluent treatment plants and/or installing of air pollution control systems whenever they are found necessary. The Board periodically collects and analyses effluent samples for verification of compliance to the consent conditions by industrial units. The industries are also instructed to ensure that pollution control systems, whenever necessary, are installed and commissioned within a stipulated period. In respect of new Projects, “Consents to Establish” are issued only after examining the suitability of the sites and scrutiny of the pollution control proposals. Besides, the Board is encouraging the industries to adopt cleaner production techniques based on re-cycle, re-use, and recover concepts.

During the year 2002-2003, the Board received 116 (One hundred and sixteen) applications for grant of “Consent to Establish” small/medium industrial units under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981. Of these, 47 (Forty seven) were granted Consent to Establish.

The names of industries/firms which applied for Consent to Establish during the year 2002-2003 are as given at Annexure-IV (A). Those industries that were granted Consent to Establish during the year are as indicated at Annexure –IV (B). The industries which were granted Consent to Operate are as mentioned at Annexure-V. Further the industries, which were granted Renewal of the Consent to Establish/Operate are shown in Annexure-VI and Annexure-VII.



## ENVIRONMENTAL RESEARCH

During the year 2002-2003, the Board continued with the following study projects: -

### A. “Biomapping of some important perennial rivers of Meghalaya”

The concept of Bio-mapping water quality of Rivers in the country has been successfully introduced by Central Pollution Control Board using Biological Water Quality Criteria (BWQC). The information from Bio-mapping helps in the classification and zoning of water bodies according to their level of ecological sustenance and degradation. The Board has undertaken the two-year study programme in collaboration with Central Pollution Control Board, Delhi. The study project has been sponsored by Central Pollution Control Board for an amount of Rs.2.59 Lakhs for biomapping of 10 (ten) prominent rivers in the State viz. Umkrah, Umshyrpi, Umkhen, Umiam-Mawphlang, Nongstoin, Kynshi, Myntdu, Lubha, Umngot and Simsang. This project was initiated in the year 2000-2001.

### B. “Studies and Evaluation of Environmental and Socio-Impact of Coal Mining Impact in Jaintia Hills.”

The Central Pollution Control Board, Delhi has sanctioned this two years study during 1999-2000 at the cost of Rs.9,00,000.00 (Rupees Nine Lacs). The study aimed to evaluate the quality of ambient air, workroom environment, groundwater, surface water etc. The analysis of major and trace elements was the part of the study. The scope of the project has been to evolve environmentally friendly technologies, planning for reclamation of the mined degraded land and study the socio economic impact of these activities. The programme was initiated during 2000-2001. The works for this study are in progress and it is expected that the draft reports will be completed shortly.

### C. “Zoning Atlas for siting of Industries Programme”

This is a World Bank funded National programme under Environmental Management Capacity Building Project entitled Zoning Atlas for siting of Industries initiated by the Central Pollution Control Board (CPCB), Delhi in 1994. The programme aims to attain development in an environmentally sound manner for sustainable development in India.

The Meghalaya Pollution Control Board has collaborated with Central Pollution Control Board, Delhi in 1997, to implement the Zoning Atlas programme in the State. In the first phase, the Zoning Atlas for siting of industries for Ri-Bhoi and East Khasi Hills District has been completed. In the second phase, industrial estate planning studies has been carried out for Export Promotion Industrial Park, Byrnihat. The reports have been submitted to the concerned Government Departments for implementation of its findings.

#### **D. “Study of Water Quality of Umkhras River”**

The Board has undertaken the study programme entitled “Assessment of Water Quality of Umkhras River” in collaboration with the Centre for Environmental Studies, NEHU, Shillong during 2001-2002. The programme has been taken up by utilizing the funds available under water cess re-imbursement as approved by the Ministry of Environment & Forests, Govt. of India, New Delhi at an estimated cost of Rs.1,46,300/- (Rupees one lakh forty six thousand and three hundred only). The main objective of the study is to assess the pollution load in terms of physio-chemical and bacteriological parameters of the river water and identification of the sources of pollution so as to suggest/recommend suitable mitigating measures to be taken for improvement of the river water quality. Monitoring works have been started in the last part of the year 2001 and continued during the year 2002-2003.



### **ENVIRONMENTAL TRAINING**

The Officers & Staff of the Board attended several training courses, workshops & seminars sponsored by the Ministry of Environment and Forests, Government of India, the Central Pollution Control Board, Delhi and other agencies. The list of the officials, who attended the training programmes during the year, is given in Annexure-VIII.

**9**

**ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION**

1. The Board's officials took part in the Inter-school Science Exhibition held on the 13<sup>th</sup> June, 2002 at the Don Bosco Technical School Hall, Laitumkhrah, organized by Inspectorate of Schools, East Khasi Hills District.
2. The Board was also represented in an exhibition organized by the State Council of Science Technology & Environment held on the 27<sup>th</sup> March, 2003 at Laitumkhrah.
3. To observe the International Day for preservation of Ozone layer, on the 16<sup>th</sup> September, 2002, the Board organized a Mass Awareness Programme in collaboration with the Directorate of Forests and Environment. The programme was attended by students of 11(eleven) Higher Secondary Schools in the city.

The Board has been assisting the P.H.E. Department, the Shillong Municipal Board, etc in monitoring water quality of Water Supply Schemes to ensure supply of safe drinking water to the public in the State. Based on the Board's reports on water quality status, some NGOs have launched the cleaning drives of rivers in Shillong like Umshyrpi, Umkhrah and others.

**10**

**ENVIRONMENTAL STANDARDS INCLUDING THE TIME SCHEDULE  
FOR THEIR ENFORCEMENT.**

The Board is adopting the standards prescribed by the Central Pollution Control Board and Ministry of Environment and Forests, Government of India. In case, the Standards of the said organizations are not available the Board follows the standards prescribed by the Indian Standards Institution. The Board is maintaining the enforcement Schedule prescribed by the Central pollution Control Board and Ministry of Environment and Forests, Government of India in respects of 17 categories of industries. However, in case of other industries, it has its own enforcement schedule, which is specified at the time of granting of "Consent to Establish" and "Consent to Operate".

**11**

**PROSECUTION AND CONVICTIONS FOR ENVIRONMENTAL CONTROL**

During the year, 14 (fourteen) Directions and 74 (Seventy –four) Showcause Notices were issued to defaulting industrial units. List of each are placed as Annexure- IX (A) and IX (B) respectively.

**11.1 CLOSURE OF INDUSTRIAL POLLUTING UNIT.**

During the year, ten Closure Notices were issued to defaulting industrial units. List is appended as Annexure - IX(C).

## OTHER ACTIVITIES OF THE BOARD

### 1. HAZARDOUS WASTE MANAGEMENT

Till date, only 1(one) unit managing and handling hazardous wastes has been identified and subsequently Authorization, under Hazardous Waste (Management & Handling) Rules, 1989, is issued to this unit.

With respect to the creation of a Hazardous Waste inventory for the State of Meghalaya, the State Pollution Control Board is engaging a consultant, viz. National Environment Engineering Research Institute (NEERI) for the said purpose under the project titled “Inventorisation of Hazardous Wastes and Centralised Treatment & Disposal Facility Sites in Meghalaya”; the written agreement for which is under execution and the work is likely to commence soon. The cost of this project is Rs.4 Lacs.

### 2. MUNICIPAL SOLID WASTE

The Board has identified (seven) local bodies/municipal boards engaged in the management and handling of municipal solid wastes in the State and they were duly instructed to apply for Authorization. Till date, only 1(one) Municipal Board has applied for Authorization and was subsequently granted Authorization to set up a waste processing and disposal facility. The said facility is in operation.

For feedbacks regarding municipal waste management and handling, annual reports received from the concerned local bodies/municipal boards were compiled and submitted to the Central Pollution Control Board. The process of inventorisation of municipal solid wastes is continuing.

To bring about better implementation of the rules, a Joint Meeting was organized between the State Pollution Control Board in collaboration with the Central Pollution Control Board along with other participants involved in the management and handling of municipal solid wastes.

### 3. **BIO-MEDICAL WASTE MANAGEMENT**

Efforts were given to identify Health Care Facilities (HCFs) as per the Bio-Medical Waste (M&H) Rules, 1998, in the State of the Meghalaya, as a result of which, 155 (one hundred fifty five) HCFs have been identified. Of these HCFs, 145 (one hundred forty five) applied for Authorization and subsequently, 29 (twenty nine) HCFs have been granted Authorization. The Authorization of 105 (one hundred and five) HCFs run by the Government of Meghalaya have been withheld due to non-payment of prescribed authorization fees.

The process of inventurisation of bio-medical wastes is continuing. Annual Reports that were received from HCFs were compiled and submitted to the CPCB for information. The physical verification of HCFs providing service to less than 1000 patients per month were conducted so as to facilitate exemption from the purview of Authorization.

The State Board also organized an interactive Joint Meeting between the State Pollution Control Board, the Central Pollution Control Board and HCFs during which issues regarding implementation of the Bio-Medical Waste Rules were discussed.

### 4. **BATTERIES AND RECYCLED PLASTICS MANAGEMENT AND HANDLING**

#### **(A) BATTERIES**

As per the Board's information, no assemblers, recyclers, manufacturers or importers of lead acid batteries are functioning in the state. However, dealers and reconditioners of batteries are present in the state but their identification/inventory is yet to be carried out. Further, about 90 (ninety) organizations/establishments that have been identified as bulk consumers can be assumed to be functioning as auctioneers also.

So far, no reconditioner or bulk consumer has yet to file returns to the Board as required under the Batteries (M & H) Rules but the matter has been pursued with the identified bulk consumers/reconditioners

### **(B) RECYCLED PLASTICS**

According to information available with the Board, no manufacturer of recycled plastics was identified in the state. For regulating the manufacture, sale and use of plastic bags, the Government of Meghalaya had also enacted the “Meghalaya Prohibition of Manufacture, Sale, Use and Throwing of Low Density Plastic Bags Act, 2001”, and subsequently as under the above Act, the Deputy Commissioner of East Khasi Hills District has issued a Notice banning the manufacture, sale and use of low density plastic bags in the entire District.

**13**

### **FINANCE AND ACCOUNTS.**

The receipts and expenditures of the Board for the financial year 2002-2003 are appended as Annexure-X (A) and X (B) respectively.





mpcb

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## ANNEXURES

ANNEXURE-ISTAFF POSITION OF THE MEGHALAYA STATE POLLUTION CONTROL  
BOARD AS ON 31<sup>ST</sup> MARCH 2003

NAME OF POST				
SL. NO.	ADMINISTRATIVE & ACCOUNTS STAFF	SANCTIONED STRENGTH	WORKING STRENGTH	VACANCY
1.	Administrative Officer	1	-	1
2.	Private Secretary to Chairman	1	-	1
3.	Scientist 'B' (Eco. & Stat.)	1	-	1
4.	Legal Officer	1	-	1
5.	Finance & Accounts Officer	1	-	1
6.	Senior Accountant	1	1	-
7.	Establishment Officer	1	1	-
8.	Stenographer Grade II	1	1	-
9.	Statistical Assistant	1	1	-
10.	U.D.A.	4	2	2
11.	L.D.A.	7	1	6
12.	L.D.A cum Typist	5	4	1
13.	Typist	4	1	3
14.	Library Assistant	1	-	1
15.	Driver	6	4	2
16.	Duftry	1	1	-
17.	Handyman	1	-	1
18.	Peon / Mali / Plumber	14	8	6
19.	Chowkidar	3	2	1
<b>TECHNICAL STAFF</b>				
1.	Environmental Engineer	2	2	-
2.	Asstt.Environmental Engg.	4	3	1
3.	Junior Environmental Engineer	1	1	-
4.	Senior Draftsman	1	-	1
5.	Tracer	2	-	2
<b>SCIENTIFIC STAFF</b>				
1.	Scientist "C"	1	1	-
2.	Scientist "B"	3	2	1
3.	Scientific Assistant (Senior)	1	1	-
4.	Junior Scientific Asstt.	5	2	3
5.	Technical Assistant	2	1	1
6.	Junior Laboratory Asstt.	2	2	-
7.	Storekeeper	1	1	-
8.	Sample Collector	5	5	-
9.	Laboratory Attendant	2	2	-
<b>TOTAL</b>		<b>87</b>	<b>50</b>	<b>37</b>

**ANNEXURE-II**

ANNEXURE-III (A)**LIST OF MEMBERS FOR THE PERIOD 2002-2003.**

- |   |          |
|---|----------|
| 1. Chairman<br>Meghalaya State Pollution Control Board.   | Chairman |
| 2. Chief Engineer<br>Public Health Engineering, Meghalaya <i>or</i> his nominee                     | Member   |
| 3. Director of Industries, Meghalaya <i>or</i> his nominee  | Member   |
| 4. Director of Health Services (Research, etc), Meghalaya <i>or</i> his nominee                     | Member   |
| 5. Director, Urban affairs, Meghalaya <i>or</i> his nominee   | Member   |
| 6. Chief Conservator of Forests<br>(Social Forestry & Environment), Meghalaya <i>or</i> his nominee | Member   |
| 7. Chief Executive Member, Khasi Hills District Council <i>or</i> his nominee                       | Member   |
| 8. Chief Executive Member, Garo Hills District Council <i>or</i> his nominee                        | Member   |
| 9. Chief Executive Member, Khasi Hills District Council <i>or</i> his nominee                       | Member   |
| 10. Chairman, Shillong Municipal Board <i>or</i> his nominee  | Member   |
| 11. Chairman, Tura Municipal Board <i>or</i> his nominee  | Member   |
| 12. Managing Director,<br>Meghalaya Industrial Development Corporation <i>or</i> his nominee        | Member   |

- 
- |  |                  |
|--|------------------|
| 13. Managing Director,<br>Meghalaya Forest Development Corporation <i>or</i> his nominee                                 | Member           |
| 14. Dr. Philomot Passah, Professor, Deptt. Of Economics,<br>NEHU, “Mayurbhanj Complex”, Lawjynriew,<br>Shillong- 793014. | Member           |
| 15. Shri.Garland Rumbai, “Treppale”, Jowai,<br>Jaintia Hills District.   | Member           |
| 16. Shri.David Kharsati,<br>C/o. Grazy Villa, Nongkhyriem, Nongthymmai,<br>Shillong – 793014.                            | Member           |
| 17. Member Secretary,<br>Meghalaya State Pollution Control Board.  | Member Secretary |

*ANNEXURE- III (B)*

MEMBERS OF THE CONSENT COMMITTEE FOR THE PERIOD  
2002-2003

- |    |   |                 |
|----|---|-----------------|
| 1  | Chairman<br>Meghalaya State Pollution Control Board.  | Chairman        |
| 2. | Director of Mineral Resources, Meghalaya.   | Member          |
| 3. | Joint Director (II), Urban Affairs, Meghalaya   | Member          |
| 4. | Deputy Director (Planning) Industries, Meghalaya.   | Member          |
| 5. | Senior Inspector of Boilers & Factories, Meghalaya.   | Member          |
| 6. | Officer on Special Duty,<br>Office of the Chief Conservator of Forests,<br>(Social Forestry, Environment), Meghalaya. | Member          |
| 7. | Prof.R.S.Tripathi,<br>Department of Botany, NEHU.   | Member          |
| 8. | Member Secretary,<br>Meghalaya State Pollution control Board.   | Member Convener |

### ANNEXURE- III (C)

#### MEMBERS OF THE PURCHASE COMMITTEE DURING THE YEAR 2002-2003.

- |   |   |          |
|---|---|----------|
| 1. Chairman, Meghalaya State Pollution Control Board                        | - | Chairman |
| 2. Director, Regional Sophisticated Instrumentation Centre,<br>Shillong     | - | Member   |
| 3. Chief Engineer, P.H.E., Meghalaya <i>or</i> his nominee                  | - | Member   |
| 4. Director of Industries, Meghalaya  | - | Member   |
| 5. Senior Scientist (PP), Indian Council of Agricultural Research,<br>Umiam | - | Member   |
| 6. Senior Accountant, Meghalaya State Pollution Control Board               | - | Member   |
| 7. Member Secretary, Meghalaya State Pollution Control Board                | - | Convener |

**ANNEXURE- III (D)**

**LIST OF MEMBERS OF THE SELECTION COMMITTEE**

- |    |  |           |
|----|--|-----------|
| 1. | Shri. G.P. Kharshandy<br>Project Engineer,<br>Meghalaya Govt. Construction Corporation, Shillong.                  | Chairman  |
| 2. | Shri. M.K. Choudhury<br>Zonal Officer,<br>Central Pollution Control Board<br>North Eastern Zonal Office, Shillong. | Member    |
| 3. | Under Secretary to the Govt. of Meghalaya,<br>P.H.E. Deptt. Shillong.  | Member    |
| 4. | Establishment Officer,<br>Meghalaya State Pollution Control Board, Shillong.                                       | Secretary |

#### ANNEXURE-IV (A)

##### LIST OF INDUSTRIES WHICH APPLIED FOR CONSENT TO ESTABLISH DURING 2002-2003.

1. M/s. Julismon Tariatang Stone Crusher, Upper New Colony, Laitumkhrach, Shillong-3.
2. M/s. B.Umiong Motor Works, Mawlait Umthli, Nongstoin, West Khasi Hills.
3. M/s. Mawphor Offset Printing Press, Bishop Falls, Lower Mawprem, Shillong.
4. M/s. Umadutt Industries Ltd., Police Bazar, Shillong-1.
5. M/s. M.M. Enterprise Stone Crusher, Pomshutia, P.O.-Lyngkhat, East Khasi Hills District
6. M/s. S.Swett Lime Kiln, Lumshken, Shella Bazaar, East Khasi Hills District.
7. M/s. Eastern Servicing Garage, Demthring, Madanryting, Shillong-21.
8. M/s. Sharma Thermo Packaging (P) Ltd., Umtru Road, Byrnihat, Ri-Bhoi District.
9. M/s. Bimla Ispat & Alloys (P) Ltd, N.S.Road, Fatasil, Guwahati-9.
10. M/s. P.L.Syiemlieh Stone Crusher, Umlyngka, Shillong-5.
11. M/s. O.B.Cars Auto Workshop, Umkaliar, Shillong.
12. M/s. I.S. Kharwanlang Stone Crusher, Umsohsun Main Road, Shillong.
13. M/s. R.Kharkongor Stone Crusher, Laitkor, Nongmadan, Shillong.
14. M/s. B.Chyne Lime Industry, Mawlong Sohpieng, Mawlong, East Khasi Hills District
15. M/s. P.Khongshei Lime & Chemicals, Umniuhmar, P.O-Pynursla, East Khasi Hills District
16. M/s. P.Lyngdoh Stone Crusher, Umphyrnai, Smit, Shillong-21.
17. M/s. Karthik Rukmini Impex Pvt. Ltd. (Ferro Silicon), Byrnihat, Ri-Bhoi District.
18. M/s. S.Kharkongor Stone Crusher, Laitkor, Nongmadan, Shillong.
19. M/s. R.S. Enterprise Lime Industry, Nongthymmai, Cherrapunjee, East Khasi Hills District.
20. M/s. P.Myllem Automobiles & Workshop, Mawlai Nonglum, Shillong-8.
21. M/s. Philip's Tyre, Nakham Bazaar, Tura-794001, West Garo Hills District.
22. M/s. Ri-Bhoi Engineering Company (P) Ltd, Byrnihat, Ri-Bhoi District.
23. M/s. Eastern Panorama Offset Printing Press, Juhar Market, G.S.Road, Shillong-1.
24. M/s. Rexeel Bricks Industry, Nakgil-Awe, Daliya, Williamnagar, East Garo Hills District.
25. M/s. Marak Bricks Industry, Sampalgre, Williamnagar, East Garo Hills District.
26. M/s. Chada Bricks Industry, Chiminigre, P.O-Williamnagar, East Garo Hills District.



27. M/s. Ordilla Bricks Industry, Rongreng-Baiya, Williamnagar, East Garo Hills District.
28. M/s. Sangma Bricks Industry, Kusimkalgre, P.O-Williamnagar, East Garo Hills District.
29. M/s. Watseng Bricks Industry, Dobatkalgre, P.O.- Williamnagar, East Garo Hills District.
30. M/s. R.Chyne Lime Kiln, Ichamati, Ladphong, Mawlong, Via-Cherrapunjee, East Khasi Hills District.
31. M/s. Goswami Stone Products, Nongthymmai (Garo Vill), P.O- Pilangkata, Ri- Bhoi District.
32. M/s. Precision Engineering Works Industrial Area, Barapani, Ri-Bhoi District.
33. M/s. Silme Bricks Industry, Rongjeng, Gangdop, East Garo Hills District.
34. M/s. M.M.Enterprise (Rngain), Pomshutia, Via-Dawki, East Khasi Hills District.
35. M/s. R.K.Enterprise (Pommad), Pomshutia, Via-Dawki, East Khasi Hills District.
36. M/s. C.Talang Stone Crusher, Mynkre, Khliehriat, Jaintia Hills District.
37. M/s. Oli Industry Cashew Processing Unit, Chengkuri, Tura, West Garo Hills District.
38. M/s. Sashi Nutrition (P) Ltd, 9<sup>th</sup> Mile, Baridua, Khanapara, P.O-Amerigog- 781023, Ri-Bhoi District.
39. M/s. H.Kharumnuid Stone Crusher, Mawtawar (Vill) Via-NEHU, Shillong-8.
40. M/s. Shiromani Food Products (P) Ltd., Baridua, Amerigog-23, Ri-Bhoi District.
41. M/s. D.T.Sangma Stone Crusher, Nongthymmai, (Garo Hills), P.O-Pillangkata, Khanapara, Ri-Bhoi District.
42. M/s. Mawsohra Stone Works, Mawkisyiem, Sohra, East Khasi Hills District.
43. M/s. Mawpdang Cement Grinding Industry, Lower Lachumiere, Shillong-1.
44. M/s. Manbha Body Construction, Mawlai Nonglum, Shillong-8.
45. M/s. Kmel Nongbri Stone Crusher, Mawmaram, Sohiong, East Khasi Hills District.
46. M/s. K.W.Jensen Lime Kiln, Lyngngar, Nongjri-Tlueh, Pynursla, East Khasi Hills District.
47. M/s. T.Lyngdoh Stone Crushing, Mawhati, Umsning, Ri-Bhoi District.
48. M/s. Nalari Ferro Alloy (P) Ltd., Lumshnong, Khliehriat, Jaintia Hills District.
49. M/s. B.Susngi Motor Workshop, Dum-Dum, Lumiablot, Nongthymmai, Shillong-14.
50. M/s. Panchamukhi Processors (Megh) (P) Ltd., G.S.Road, Khanapara, Ri-Bhoi District.
51. M/s. Khongtir Lime Enterprise, Nongjri, Pynursla, East Khasi Hills District.
52. M/s. Meghalaya Cements Ltd., Lumshnong, Khliehriat, Jaintia Hills District.
53. M/s. Forbes Aquamall Ltd., Baridua, Ri-Bhoi District.
54. M/s. Greystone Smelters Ltd, Byrnihat, Ri-Bhoi District.

55. M/s. F.Songthiang Stone Crusher, Smit, Madanryting, Shillong-21.
56. M/s. Syiem AutoWorkshop, Mawblei, Madanryting, Shillong-21.
57. M/s. Rymbai Stone Crusher, Madanryting, Shillong-21.
58. M/s. Parana Industries (Lime Kiln), Nongrimbah, Laitumkhrah, Shillong-3.
59. M/s. Cements Manufacturing Co. Ltd., Lumshnong, Khliehriat, Jaintia Hills District.
60. M/s. Vishal Megha Carbides (P) Ltd., G.S. Road, Byrnihat, Ri-Bhoi District.
61. M/s. W.Lyngdoh Stone Crusher, 20<sup>th</sup> Mile, Paham Mawlein, G.S.Road, Ri-Bhoi District.
62. M/s. Megh Oil & Soap, 9<sup>th</sup> Mile, Baridua, Ri-Bhoi District.
63. M/s. S.Dkhar Lime Kiln, Shella Village, Jamew, East Khasi Hills District.
64. M/s. W.Doloi Enterprise, Umkrem Dykhang, Jirang, Ri-Bhoi District.
65. M/s. R.Kharumnuid Stone Crusher, Umphyrnai, East Khasi Hills District.
66. M/s. A.K.Budon Lime Kiln, Nongthymmai, Mawsmi, East Khasi Hills District.
67. M/s. J.Khongwar Lime Kiln, Cherrapunjee, East Khasi Hills District.
68. M/s. I.K.Budon Lime, Nongthymmai, Cherrapunjee, East Khasi Hills District.
69. M/s. P.Suchiang Stone Crusher, Jorpul, Baridua, Ri-Bhoi District.
70. M/s. S.MawrieStone Crusher, Laitkor, Mawrilumheh, Shillong-10.
71. M/s. Annie's Bakery, Kench's Trace, Red Cross, Laban, Shillong-3.
72. M/s. Agate Systems (P) Ltd., Mawsmi Landmark, Mawsmi, Ri-Bhoi District.
73. M/s. B.R.Tea Co., Police Bazar, Shillong-1.
74. M/s. Larson & Tourbo Ltd., NEIGRIHMS, Project, Mawdiangdiang, Meghalaya.
75. M/s. Sunshine Ferrous (P) Ltd., 29, Cantonment, Shillong.
76. M/s. B.Syiemieli Stone Crusher, Upper New Nongstoin, West Khasi Hills District.
77. M/s. S.Mawlong Stone Crusher, Lumdiengjri, East Khasi Hills District.
78. M/s. Ambika Oils North East (P) Ltd., EPIP, Byrnihat, Ri-Bhoi District.
79. M/s. Cosco Servicing Centre, Mawlai Nongkwar, Shillong-8.
80. M/s. Thrills Fun Park, Bandstand, Lumdemthring, Shillong-21.
81. M/s. Doque Auto Centre, Mawlai Iewrynghep, T.S.S. Road, Shillong-8.
82. M/s. Sweet Lime Unit, Lumshken, Shella, East Khasi Hills District.
83. M/s. T.D.Lime Industry, , Lumshken, Shella, East Khasi Hills District.
84. M/s. S.D.Lime Industry, Shella East khasi Hills District.
85. M/s. Ksanlah Lime Industry, Shella Bazar, East Khasi Hills

86. M/s. A.Dhar Lime Kiln, Madanryting, Shillong
87. M/s. G.M.Industry, Bajengdoba, East Garo Hills, Meghalaya
88. M/s. R.Force Sarubai, Jamew Shella, East Khasi Hills, Meghalaya
89. M/s. Ri-Bhoi Chemicals, Mawsmal, 10<sup>th</sup> Mile, Khanapara, Ri-Bhoi District
90. M/s. Automobile Servicing Unit, Nongpoh, Ri-Bhoi District
91. M/s Anderson's Biotech (P)ltd, Trenching Ground, Mawiong, Mawlai, Shg.-8
92. M/s. M.Dkhar Stone Crusher, Leshka, Jaintia Hills District, Meghalaya
93. M/s. Satya Meghalaya Ispats(P)ltd, Tamulkuchi, Byrnihat, Ri-Bhoi District
94. M/s. S.Nongpiur Stone Crusher, Umeit, Ri-Bhoi District
95. M/s. S.Synrem Lime Kiln, Lower Cherra, Mawmluh, Cherrapunjee, Ri-Bhoi Dist.
96. M/s. C.Synrem Lime Kiln – do –
97. M/s. R.K.Flour Mills (P)ltd, G.S.Road, Them Marwet, Khanapara, Ri-Bhoi District
98. M/s. J.Wann Lime Kiln, Mawlong, Sirdarship, East Khasi Hills
99. M/s. N.E. Powerline Industries, G.S.Road, Baridua, Ri-Bhoi District
100. M/s. B.Marwein Stone Crusher, Jaiaw Lumsyntiew, Shillong
100. M/s. K.W.Tomson Lime Kiln, Nongjri, P.O.Pynursla, East Khasi Hills
101. M/s. W.D.Stone Crusher, Pomlahir, Mawryngkneng, East Khasi Hills
102. M/s. Hanny Fibre(P)ltd, EPIP, Byrnihat, Ri-Bhoi District
103. M/s. P.Khongwir Lime Enterprise, Nongshken Syiemship, P.O.Pynursla, East Khasi Hills District.
104. M/s. B.Iawram Lime Products, - do -
105. M/s. K.K. Stone Crusher, Madan lyntad, P.O.Pynursla, East Khasi Hills
106. M/s. Pomshutia Lime, Madan Lyntad, - do -
107. M/s. Eco Friendly Enterprise, P.O.Umsning, Ri-Bhoi District
108. M/s. S.K.(India)Wire Products, 15<sup>th</sup> Mile, G.S.Road, Byrnihat, Ri-Bhoi District
109. M/s. Roka Cane and Bamboo Works, Pohkse, Umpling, Shillong-6
110. M/s. Jaintia Ferro Alloys (P)ltd, 13<sup>th</sup> Mile, Byrnihat, Ri-Bhoi District
111. M/s. Shree Sai Smelters (India) (P) Ltd., 15<sup>th</sup> Mile, Byrnihat, Ri-Bhoi Dist.
112. M/s. Cement Manufacturing Co. Ltd., Lumshnong, Khliehriat, Jaintia Hills District.
113. M/s. Jaydee Products (P)ltd., M.G.Road, Shillong-1
114. M/s. Stone Crushing Unit, Lower Lumparing, Shillong-4
115. M/s. Garima Trade Links, 15<sup>th</sup> Mile, G.S. Road, Byrnihat, Ri-Bhoi Dist.

**ANNEXURE-IV(B)****LIST OF UNITS WHERE CONSENT TO ESTABLISH ISSUED DURING 2002-2003**

1. M/s. City Motor Works, Kench's Trace, Shg.-4
2. M/s. K.K.Beverages (P)ltd, Khanapara, Baridua, Ri-Bhoi District
3. M/s A.T.O. Agro Industries Ltd, Byrnihat, Ri-Bhoi dist.
4. M/s. Anuradha Steel (P)Ltd, EPIP, Byrnihat, Ri-Bhoi Dist.
5. M/s. Megha Ispat Ltd, EPIP, Byrnihat, Ri-Bhoi District
6. M/s. Vansha Fragrances(P)ltd, Byrnihat, Ri-Bhoi District
7. M/s. Lyngdoh Stone Crusher, Mawblei, Khyrim Syiemship, East Khasi Hills.,
8. M/s. Nodrowel & Daughters, Bakers & Confectioners, Dhankheti, Malki, Shillong.
9. M/s. Trikuta Ferro Alloy(P)Ltd. Bishnupur, Shillong
10. M/s. Polly Packs Industries, Barapani, Ri-Bhoi District
11. M/s. Meghalaya Sova Ispat & Alloys Ltd, EPIP, Byrnihat, Ri-Bhoi District.
12. M/s Brahm India (P)ltd, EPIP, Byrnihat
13. M/s. Shree Sai Smelters(India)(P)Ltd, Rangsangkong, Byrnihat, Ri-Bhoi District.
14. M/s. Sierra Motors, New Tura, West Garo Hills.
15. M/s. Nonghuloo Stone Crusher, Sohmynting, Jaintia Hills District.
16. M/s. Mawphar Offset Press, Bishop Falls, Lower Mawprem, Shillong.
17. M/s Umadutt Industries Ltd, Cherrapunjee, East Khasi Hills
18. M/s. S.Swett Lime Kiln, Shella, East Khasi Hills
19. M/s. Eastern Servicing Garage, Demthring, Shillong
20. M/s. O.B.Cars, Umkaliar, Demseiniong, Shillong-5
21. M/s. R.Kharkongor Stone Crusher, Wahkdait, Laitkor, East Khasi Hills,
22. M/s. B.Chyne Lime Industry, Mawlong, East Khasi Hills
23. M/s. P.Myllem Automobiles & Workshop, Khanapara, Ri-Bhoi District
24. M/s. Ri-Bhoi Engg. Company(P)Ltd, Byrnihat, Ri-Bhoi District
25. M/s. Eastern Panorama, Keating Road, Shillong.
26. M/s. P.Engg. Works, Barapani, Ri-Bhoi District
27. M/s. M.M.Enterprise n(Rngain), Pomshutia, Via Dawki, East Khasi Hills
28. M/s. R.Khongsit Stone Crusher, Laitkynsew, Laitlyngkot, East Khasi Hills.
29. M/s. H.Kharumnuid Stone Crusher, Mawlyngngad, East Khasi Hills.

30. M/s. Mawsohra Lime Works, Sohra, East Khasi Hills
31. M/s. Manbha Body Construction, Mawlai Nonglum, Shillong-8
32. M/s K.Nongbri Stone Crusher, Mawmaram, Sohiong, East Khasi Hills.
33. M/s. K.W.Temsen Lime Kiln, Nongjri, P.O.Pynursla, East Khasi Hills.
34. M/s. T.Lyngdoh Stone Crushing, Mawhati, Umsning, Ri-Bhoi District
35. M/s. Nalari Ferro Alloys (P)Ltd, Byrnihat, Ri-Bhoi District
36. M/s. Khongwir Lime Enterprise, Nongjri, P.O.Pynursla, East Khasi Hills.
37. M/s. A.Kurkalang Stone Crusher, Smit, Shillong-21.
38. M/s. Syiem Auto Workshop, Mawblei Madanryting, Shillong-21
39. M/s. Rymbai Stone Cruysher, Madanryting, Shillong-21
40. M/s. R.Kharumnuid Stone Crusher, Umphyrnai, East Khasi Hills
41. M/s. Annie's Bakery, Kench's Trace, Shillong
42. M/s. Mawlong Construction Industry, Umpyntiah, Lad Mawreng, Myllem, East Khasi Hills
43. M/s. Doque Auto Centre, Mawlai Iewrynghep, Shillong-8
44. M/s. M.Lyngdohy Automobile Servicing Unit, Nongpoh, Ri-Bhoi District
45. M/s. Anderson Biotech (P) Ltd., Trenching Ground, Mawlai Mawiong, Shillong-8.
46. M/s. Mehun Dkhar Stone Crusher, Leshka, Jaintia Hills District5
47. M/s. J.Tariang Stone Crusher, New Colony, Laitumkhrah, East Khasi Hills.

## ANNEXURE - V

### LIST OF UNITS WHERE CONSENT TO OPERATE ISSUED DURING 2002-2003

1. M/s. Rani Motors Service Station, Sunny Hills, Garikhana, Shillong-2.
2. M/s. Laitphar Suting Lime Kiln, Nongthymmai, Mawsmmai, Cherrapunje, East Khasi Hills.
3. M/s Meghalaya Steel Ferro Alloys, Byrnihat, Ri-Bhoi District
4. M/s. Mortex Smelters (P)Ltd, EPIP, Byrnihat, Ri-Bhoi District
5. M/s Fagal Haque Crusher Machine, Dhap Giri (Hallidayiong), West Garo Hills.
6. M/s. Meghalaya Sova Ispat & Alloys ltd, EPIP, Byrnihat, Ri-Bhoi District
7. M/s. Dameri Enterprise, Sohphoh, Jatap, East Khasi Hills.
8. M/s. Timpack (P)Ltd, Byrnihat, Ri-Bhoi District
9. M/s. Manbha Body Construction, Mawlai Nonglum, Shillong-8
10. M/s. Nalari Ferro Alloys(P)ltd, Byrnihat, Ri-Bhoi District
11. M/s. Forbes AquaMall, Ltd. Baridua, Byrnihat, Ri-Bhoi District.
12. M/s. Trostar Lastang Lime Kiln, Laitumsaw, Balat, West Khasi Hills.
13. M/s Colortek (Megh) (P)ltd, Byrnihat, Ri-Bhoi District
14. M/s. Shree Sai Rolling Mills (India)(P)Ltd, Rangsakona, Byrnihat, Ri-Bhoi District.
15. M/s. Meghalaya Minerals & Mines (P)Ltd, Lumshnong, Khliehriat, Jaintia Hills,
16. M/s. NEZONE, Ltd., EPIP, Byrnihat, Ri-Bhoi District.
17. M/s. G.Kharsati Lime Kiln, Cherrapunjee, East Khasi Hills.

**ANNEXURE -VI**

**LIST OF UNITS WHICH HAVE RECEIVED RENEWAL OF CONSENT TO ESTABLISH DURING 2002 - 2003.**

1. M/s. Lum Mawshun Mining Corporation, Mawlai Nonglum, Shillong-8
2. M/s. Anderson Mineral (P) Ltd., Lalghat, Langrin, West Khasi Hills District.
3. M/s. H.M.Cements Ltd., Upper Dalain Village, Byrnihat, Ri-Bhoi District.
4. M/s. M.Phira Fruit&Vegetables Processing, Mission Compound, Mawkhar, Shillong-2
5. M/s. Servell Enterprise, Jingkieng, Nongrim Hills, Shillong-14
6. M/s. T.Lastang Lime Kiln, Laitumsaw, Balat, West Khasi District.
7. M/s. T.Khrawboklang Iangrai Lime Kiln, Mawlong, East Khasi Hills.
8. M/s. Raja Kharsit, Pomshutia, East Khasi Hills.
9. M/s. S.Dohling Lime Kiln, Sohra, East Khasi Hills.
10. M/s. Shyam Century Ferrous Ltd, Mawpun, Riango, West Khasi Hills.
11. M/s. Hotel cum Shopping Arcade, New Nongstoin, West Khasi Hills.
12. M/s. E.H.Associate Stone Crusher, Umphyrnai, East Khasi Hills.
13. M/s. King Aqua (P) Ltd., Umiam Industrial Area, Ri –Bhoi District.
14. M/s. K.Chyne Lime Kiln, Mawlong via Cherrapunjee, East Khasi Hills.
15. M/s. Adhunik Mech Steel (P) Ltd., Byrnihat, Ri-Bhoi District.
16. M/s. P.L.Enterprise Steel Fabrication cum Body Making, Mawblei, East Khasi Hills.
17. M/s. Dynasty Motors (P) Ltd., N.L.Complex, Dhankheti, Shillong.
18. M/s. Scorpio Printers, Mawkhar, Shillong.
19. M/s. Modern Offset, Wahthapbroo, Shillong-8.

**ANNEXURE - VII****LIST OF UNITS WHICH HAVE RECEIVED RENEWAL OF CONSENT TO OPERATE DURING 2002 - 2003.**

1. M/s. Jaintia Cements Ltd., New Hills, Jowai, Jaintia Hills.
2. M/s. Govt. Fruit Preservation Factory Garden, Meghalaya, Shillong-3.
3. M/s. Bomber Cements (P) Ltd., Sumer, Barapani, Ri-Bhoi District.
4. M/s. Wood's Garage, Laitumkhrah, Shillong-3.
5. M/s. Eastyllian Rynjah Bakery, Lawjynriew, Nongthymmai, Shillong-14.
6. M/s. Indian Oil Corporation Ltd., (Assam Oil Divn.), Barapani, Ri-Bhoi District.
7. M/s. Associate Beverages (P) Ltd., Byrnihat, Ri-Bhoi District.
8. M/s. Komorrah Limestone Mining Co. Ltd., Ichamati, Mawlong, East Khasi Hills.
9. M/s. B.Kharmawphlang Bakery, Lower Nongrim Hills, Shillong-3.
10. M/s. Shankar Atta Chakki Mill, Bara Bazar, SHillong.
11. M/s. Mahabir Flour Mill, Lukier Road, Shillong-2.
12. M/s. Meghalaya Bamboo Chips Ltd., Nongchram, East Garo Hills.
13. M/s. Bel's Bakes, Mawprem, Shillong, East Khasi Hills.
14. M/s. Byrnihat Oxygen (P) Ltd., Byrnihat, Ri-Bhoi District.
15. M/s. Lyngdoh Lime & Chemicals, Lumshnong, Jaintia Hills.
16. M/s. Riwar Offset Press, Upper Shillong, East Khasi Hills.
17. M/s. K.K Beverages (P) Ltd., Khanapara, Ri-Bhoi District.
18. M/s. K.Lyngdoh Automobile Workshop, Upper Shillong, East Khasi Hills.
19. M/s. Myllemngap Auto Engg., Kench's, Laban, Shillong-14.
20. M/s. Tony Passah Mechanical Engg. Works, Jowai, Jaintia Hills.
21. M/s. Bakstar Kurkalang, Greystone Mine (P) Ltd., Byrnihat, Ri-Bhoi District
22. M/s. Khylllep Lime Products, Mawlong, East Khasi Hills.
23. M/s. Wann Lime Ltd., Ichamati, East Khasi Hills.
24. M/s. Gee See Kaa, Stone Crushing Unit, Madanryting, Shillong.
25. M/s. Mitchell Diary, Umsning, Ri-Bhoi District.
26. M/s. Shivani Ispat & Rolling Mill (P) Ltd., Tamulkuchi, Byrnihat, Ri-Bhoi District.
27. M/s. Belle Herbals, Baridua, Ri-Bhoi District.



**ANNEXURE – IX (A)**

**LIST OF UNITS WHERE DIRECTIONS ARE ISSUED AGAINST THEM DURING  
2002 - 2003.**

1. M/s. Tariang Calcinates, Madan Lyntad, Pynursla, East Khasi Hills.
2. M/s. G.D.Kharshiing, Mawsmmai, Cherrapunjee, East Khasi Hills.
3. M/s. Satyam Steel & Alloys (P) Ltd, Tamulkuchi, Ri-Bhoi District.
4. M/s. Geeta Ferro Alloys (P) Ltd., Byrnihat, Ri-Bhoi District.
5. M/s. L.Jana Workshop, Madanryting, Shillong-3.
6. M/s. Blah & Blah, Madan Lyntad, Pynursla, East Khasi Hills.
7. M/s. Rymbai Lime Industry, Mawsmmai, Cherrapunjee, East Khasi Hills.
8. M/s. D.S.Lime Industries, Saikarap, Shella, East Khasi Hills.
9. M/s. F.S. Enterprise, Mawsmmai, Nongthymmai, Cherrapunjee, East Khasi Hills.
10. M/s. Pawan Ispat (P) Ltd, Harlibagan, Byrnihat, Ri-Bhoi District.
11. M/s. Shree Ganpati Rolling Mills (P) Ltd., Byrnihat, Ri-Bhoi District.
12. M/s. Eastern Mining & Allied Industries, Nongrim Hills, Shillong.
13. M/s. New Millennium, Bawri Mansion, Dhankheti, Shillong.
14. M/s. Division Pyngrope, Stone Crusher, Mawlyngngad, Shillong-21.

**ANNEXURE – IX (B)****LIST OF UNITS WHERE SHOW CAUSE ARE ISSUED AGAINST THEM DURING  
2002 - 2003.**

1. M/s. Blah & Blah, Madan Lyntad, Pynursla, East Khasi Hills.
2. M/s. Rymbai Lime Industry, Mawsmmai, Cherrapunjee, East Khasi Hills.
3. M/s. Pawan Ispat (P) Ltd., Harlibagan, Byrnihat, Ri-Bhoi District.
4. M/s. Shree Ganpati Rolling Mills (P) Ltd., Byrnihat, Ri-Bhoi District.
5. M/s. Satyam Steel & Alloys (P) Ltd., Byrnihat, Ri-Bhoi District.
6. M/s. Hynniewta Offset Press, Mawkhar, Shillong, East Khasi Hills.
7. M/s. D.S.W. Khongsit, Lime Industry, Nongsawlia, Cherrapunjee, East Khasi Hills.
8. M/s. Rangdkhew Lime Industry, Jaiaw Laitdom, Shillong-2.
9. M/s. Suting Associates, Nongsawlia, Cherrapunjee, East Khasi Hills.
10. M/s. Jaintia Alloys (P) Ltd., Byrnihat, Ri-Bhoi District.
11. M/s. Tariang Calcination, Madan Lyntad, Pynursla, East Khasi Hills.
12. M/s. Moonlight Lime Industry, Madan Lyntad, Pynursla, East Khasi Hills.
13. M/s. Malngiang Lime Industry, Mawlong, East Khasi Hills.
14. M/s. A.M.S. Cements (P) Ltd., Mawpdang, Mawdiangdiang, East Khasi Hills.
15. M/s. Dyna M. Lime & Chemicals, Ichamati, East Khasi Hills.
16. M/s. Eastern Mining & Allied Industries, Nongrim Hills, Shillong.
17. M/s. Premium Services, Jaintia Hills District.
18. M/s. Meghalaya Silicates, Upper Nongthymmai, Shillong-14.
19. M/s. W.A.K. Marbaniang, Mawsynram, East Khasi Hills.
20. M/s. Ree Cottage Industry, Umsning, Ri-Bhoi District.
21. M/s. Nangroi Floor Files, Wahingdoh, Shillong.
22. M/s. Anderson Meat Products, Mission Compound, Shillong.
23. M/s. Byrnihat Ispat (P) Ltd., Byrnihat, Ri-Bhoi District.
24. M/s. Rymbai Lime Industry, Mawsmmai, Cherrapunjee, East Khasi Hills.
25. M/s. Laitkynsew Lime & Chemical, Laitkynsew, East Khasi Hills.
26. M/s. Sandy Pharmaceuticals, Barapani Industrial Estate, Ri-Bhoi District.
27. M/s. D.Chyne Limr Works, Jatap, Mustoh, Shella, East Khasi Hills.
28. M/s. J.K.Dkhar Lime Kiln, Shella, East Khasi Hills.

29. M/s. Nongrum Saw & Veneer Mills, Riango, Nongstoin, West Khasi Hills.
30. M/s. L.S.P Cold Rethread Tyre Service, Madan Latein, Talang, Jaintia Hills.
31. M/s. Hills Motor Works, Keating Road, Shillong.
32. M/s. Eveready Suting Lime Kiln, Lower Cherrapunjee, East Khasi Hills.
33. M/s. S.Marwein Lime Kiln, Lawbah, East Khasi Hills.
34. M/s. Douglas Rymbai Stone Crusher, Laitkor, East Khasi Hills.
35. M/s. Premium Tyres & Metals, 8<sup>th</sup> Mile, Jowai, Jaintia Hills.
36. M/s. D.Lymba Bakery, Umsyiem, Dawki, Jaintia Hills.
37. M/s. P.Tiewmon Enterprise, Jatap, Mawpud, Shella, East Khasi Hills.
38. M/s. S.Suting Lime, Nongthymmai, Cherrapunjee, East Khasi Hills.
39. M/s. Sohklet Enterprise, Nongthymmai, Cherrapunjee, East Khasi Hills.
40. M/s. P.S.M. Vehicle Servicing, Kench's Trace, Madan Laban, Shillong.
41. M/s. Devorah Lime Industry, Mawkisyiem, Cherrapunjee, East Khasi Hills.
42. M/s. Jorabat Briquette, Jorabat, East Khasi Hills.
43. M/s. Gregory Lime Works, Jatap, Mustoh, Shella, East Khasi Hills.
44. M/s. T.Rynjah & Sons, Painting Works, Mawlai Nongkwar, Shillong-8.
45. M/s. B.L.Lime Industry, Shella, East Khasi Hills.
46. M/s. Eastern Mining Ltd. (Sutnga, Khliehriat, War Jaintia, Langrin), Nongrim Hills, Shillong-3.
47. M/s. Teston W. Sanglyne Lime Kiln, Mustoh, East Khasi Hills.
48. M/s. W.K.Marbianang Lime Kiln, Ichamati, East Khasi Hills.
49. M/s. W.Mawa Lime Kiln, Ichamati, East Khasi Hills.
50. M/s. P.Suting Lime Kiln, Mawsmmai, Cherrapunjee, East Khasi Hills.
51. M/s. G.D.Kharkongor, Mawsmmai, Cherrapunjee, East Khasi Hills.
52. M/s. F.S. Enterprise, Cherrapunjee, East Khasi Hills.
53. M/s. Umtham Village Leather Tanning Industry, Nonghymmai, Shilong-14.
54. M/s. Santlet Enterprise, Ichamati, Mawlong, East Khasi Hills.
55. M/s. Garo Hills Tea Co., Tura, West Garo Hills.
56. M/s. S.D. Diengdoh Bio-Coal Plant, Shella Bazaar, East Khasi Hills.
57. M/s. D.S. Lime Industry, Saikarap, Shella, East Khasi Hills.
58. M/s. Wankhar Lime, Mawmluh, Cherrapunjee, East Khasi Hills.
59. M/s. Sahneh Rymbai & Co., Mookynjiam, Jaintia Hills.

60. M/s. T.Nongspung Sawmill, Lumkynsai, Smit, East Khasi Hills.
61. M/s. Mawlyngngat Stone Crusher, Mawlyngngat Village, East Khasi Hills.
62. M/s. Eastern Stones, Byrnihat, Ri-Bhoi District.
63. M/s. B.Marbaninang, Bakery, Mawsynram, East Khasi Hills.
64. M/s. Marbaniang Timber Industry, Ada Basti, Ri-Bhoi District.
65. M/s. Strongwell Khongsti Bakery, Mawshun, Pynursla, East Khasi Hills.
66. M/s. S.Chyne Enterprise, Shella, East Khasi Hills.
67. M/s. Sohra Lime Kiln, Cherrapunjee, East Khasi Hills.
68. M/s. Meghalaya Commercial Enterprise, Nongrim Hills, Shillong-3.
69. M/s. Gemini Feed Mill, Barapani Industrial Estate, Ri-Bhoi District.
70. M/s. D.G.Enterprise, Umpling, Shillong-16.
71. M/s. P.Suchiang Stone Crusher, Mawkyndep, Killing, Ri-Bhoi District.
72. M/s. Meghalaya Calcimates & Chemicals, Laitumkhrah, Shillong-3.
73. M/s. Marsyiem Lime Works, Mission Compound, Shillong-2.
74. M/s. Commercial Iron & Steel (P) Ltd., Byrihat, Ri-Bhoi District.

**ANNEXURE – IX (C)**

**LIST OF INDUSTRIES WHICH CLOSURE/CANCELLATION/NOTICE IS ISSUED  
DURING 2002 - 2003.**

1. M/s. Purbanchal Tubes, Byrnihat, Ri-Bhoi District.
2. M/s. Sheeba Wheels (P) Ltd., Bishnupur, Shillong-4.
3. M/s. Satyam Steel Alloys (P) Ltd., Tamulkuchi, Byrnihat, Ri-Bhoi District.
4. M/s. Rymbai Lime Industry, Mawsmi, Cherrapunjee, East Khasi Hills.
5. M/s. Pawan Ispat (P) Ltd., Byrnihat, Ri-Bhoi District.
6. M/s. Eastern Mining Ltd., Miangmawdor, West Khasi Hills.
7. M/s. Byrnihat Ispat (P) Ltd., Byrnihat, Ri-Bhoi District.
8. M/s. Jaintia Alloys (Induction Furnace), Byrnihat, Ri-Bhoi District.
9. M/s. Ganpati Rolling Mills (P) Ltd., Byrnihat, Ri-Bhoi District.
10. M/s. Tariang Calcimates, Madan Lyntad, Pynursla, East Khasi Hills.

**ANNEXURE-VIII****TRAININGS BETWEEN 1<sup>ST</sup> APRIL 2002 UPTO 31<sup>ST</sup> MARCH 2003.**

SL. NO.	NAME & DESIGNATION	NAME OF TRAINING	PLACE OF TRAINING	PERIOD OF TRAINING
1.	Mr. W.R.Kharkrang, Environmental Engineer,	Environmental Compliance for Mining Industry	Indian School of Mines, Dhanbad.	April 8 <sup>th</sup> – May 17, 2002.
2.	Mr. S.C.Katiyar, Scientist 'C'	Workshop cum symposium on Issue related to ambient air quality monitoring instruments and analysers.	India Habitat Centre, New Delhi	6 <sup>th</sup> – 7 <sup>th</sup> June 2002.
3.	Mr. S.K.Blah, Member Secretary.	Project Planning and Preparation	Indore, MP.	30 <sup>th</sup> Sept. 2002 – 9 <sup>th</sup> Oct. 2002
4.	Ms. B.Majaw, Asstt. Environmental Engineer.	Noise Control	W.B. Pollution Control Board, Kolkatta.	4 <sup>th</sup> – 5 <sup>th</sup> Dec. 2002.
5.	Mr. W.R.Kharkrang, Environmental Engineer.	Ambient Air Quality Monitoring	IIT, Mumbai	25 <sup>th</sup> – 29 <sup>th</sup> Nov. 2002.
6.	Mr. S.Kharshiing Statistical Assistant	Environmental Economics	N.I.P.F.P, New Delhi	13 <sup>th</sup> – 17 <sup>th</sup> Jan., 2002
7.	Mr. B.B.War, Asstt. Environmental Engineer.	Clean Technology & Pollution Prevention in Air Pollution Control	C.P.C.B, New Delhi	10 <sup>th</sup> – 14 <sup>th</sup> Feb., 2003

**NNEXURE – X (A)****RECEIPTS AND PAYMENT ACCOUNT FOR THE YEAR 2002-2003****RECEIPTS A/C.****Opening Balances:**

• Cash in hand	:	1034.26	
• Cash at bank:			
In Savings Bank Account With Indian Overseas Bank, Shillong,(3488)	:	(22123.36)	
Indian Overseas Bank, Shillong (6757)	:	4644714.93	
Indian Bank, Shillong	:	(14076.40)	
Bank of India, Shillong on:			
Account No. 544	:	(14902.50)	
Account No.1242	:	2680935.52	
Account No.1090	:	68661.00	
Account No.1987	:	2657440.60	
Vijaya Bank on Savings Account No.7658	:	2145443.65	
• <b>In Fixed Deposit:</b>			
With Indian Overseas Bank, Shillong	:	2732233.00	
Bank of India,	:	<u>846797.00</u>	1, 57,26,157.70
• <b>Grant received from:</b>			
Ministry of Environment and Forests, Govt. of India,	:	4213500.00	
Department of Public Health Engineering, Govt. of Meghalaya.	:	6100000.00	
	:	8537860.00	
Central Pollution Control Board, Govt. of India	:	<u>232961.00</u>	1, 90,84,321.00
<b>Grant in aid received from:</b>			
Other Agencies	:		1,53,626.00
Fees	:	1228235.00	
• Interest on Investments	:	690817.20	
• Miscellaneous receipts	:	257733.00	
• Miscellaneous advances	:	146700.00	
• Deposits	:	<u>119876.00</u>	24,43,361.20
Liabilities for Expenses	:		4,22,345.00
Forest Royalty	:		17,392.00
House Rent	:		2,922.00
Income Tax	:		40,260.00
Professional Tax	:		28,155.00
Sales Tax deducted at source	:		19,580.00
Suspense Account	:		14,395.00
<b>TOTAL (Rupees)</b>	:		<u><b>3,79,52,514.90</b></u>

*N.B: Receipts & Payments Accounts for the year 2002 -2003 are unaudited*

ANNEXURE – X (B)
**RECEIPTS AND PAYMENT ACCOUNT FOR THE YEAR 2002-2003**
**PAYMENTS A/C.**

• <b>Fixed Assets</b>	:	509371.00	
• <b>Other Assets:</b>			
Scientific Instrument and Office Appliances	:	47669.00	
Tools and Plants	:	<u>944.00</u>	5, 57,984.00
• <b>Revenue Expenditure:</b>			
Administration:			
Pay & Allowances to Officers and Staff			
Contribution	:	7147149.45	
Contingent Expenditure	:	<u>661008.65</u>	78, 08,158.10
• Grant –in – Aid disbursed to MeSEB, Shillong	:		61, 00,000.00
• Board Laboratory	:		1,27,848.00
• Running and Maintenance of vehicles	:		55,209.40
Repairs and Maintenance	:		40,247.00
• Advances	:		1,56,399.00
• Deposits	:		2,16,770.00
• Grant Expenditure			
Liabilities for Expenses	:		1, 54,160.00
House Rent	:		1,422.00
Income Tax	:		34,260.00
• Professional Tax	:		28,135.00
• <b>Closing Balances:</b>			
• Cash in hand	:	31.26	
• <b>Cash at Bank</b>			
In Savings Bank Account:			
With Indian Overseas Bank, Shillong (3488)	:	(22123.36)	
Indian Overseas Bank, Shillong (6757)	:	7863669.53	
Indian Bank, Shillong	:	(14076.40)	
Bank of India, Shillong on:			
Account No.544	:	(14902.50)	
Account No. 1242	:	4088478.30	
Account No.1090	:	734223.60	
Account No 1987	:	4277325.97	
Account No 3096	:	250833.00	
Vijaya Bank on:			
Account No. 7658	:	1929433.00	
• <b>In Fixed Deposit Account:</b>			
With Indian Overseas Bank, Shillong	:	2732233.00	
Bank of India, Shillong	:	<u>846797.00</u>	2, 26, 71,922.40
<b>TOTAL (Rupees)</b>	:		<u><b>3, 79, 52,514.90</b></u>

*N.B: Receipts & Payments Accounts for the year 2002 - 2003 are unaudited*

**Table – 1**
**WATER QUALITY OF UMIAM LAKE**

SL. NO.	PARAMETER	JUNE 2002	SEPT. 2002	DEC. 2002	MAR. 2003
1.	pH	7.6	7.0	7.1	7.0
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	204.0	150.0	159.0	275.5
3.	Turbidity (NTU)	22.0	-	-	-
4.	Total Dissolved Solids (mg / l)	137.7	-	-	-
5.	Chloride (mg / l)	16.0	-	-	-
6.	Hardness (mg / l)	22.0	-	-	-
7.	Alkalinity (mg / l)	12.0	-	-	-
8.	Calcium (mg / l)	18.0	-	-	-
9.	Sulphate (mg / l)	4.5	-	-	-
10.	Phosphate (mg / l)	Nil	-	-	-
11.	Nitrogen (Nitrite & Nitrate) (mg / l)	1.4	1.4	2.1	11.9
12.	Ammonical Nitrogen (mg/l)	0.6	-	-	-
13.	Kjeldahl Nitrogen (mg / l)	1.8	-	-	-
14.	Dissolved Oxygen (mg / l)	8.4	7.2	6.7	6.4
15.	Biochemical Oxygen Demand (mg / l)	7.0	13.0	8.2	12.5
16.	Chemical Oxygen Demand (mg / l)	20.0	-	-	-
17.	Total Coliform (MPN / 100 ml)	2400	2200	2700	3300
18.	Faecal Coliform (MPN / 100 ml)	1600	1400	1700	2600



**Table – 2**

**WATER QUALITY OF WARD'S LAKE**

SL. NO.	PARAMETER	JUNE 2002	SEPT. 2002	DEC. 2002	MAR. 2003
1.	pH	7.2	6.8	7.0	7.2
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	210.8	211.0	197.0	220.5
3.	Turbidity (NTU)	21.0	-	-	-
4.	Total Dissolved Solids (mg / l)	145.5	-	-	-
5.	Chloride (mg / l)	10.0	-	-	-
6.	Hardness (mg / l)	18.0	-	-	-
7.	Alkalinity (mg / l)	16.0	-	-	-
8.	Calcium (mg / l)	14.0	-	-	-
9.	Sulphate (mg / l)	9.1	-	-	-
10.	Phosphate (mg / l)	Nil	-	-	-
11.	Nitrogen (Nitrite & Nitrate) (mg / l)	2.0	1.7	2.5	4.5
12.	Ammonical Nitrogen (mg/l)	0.6	-	-	-
13.	Kjeldahl Nitrogen (mg / l)	1.5	-	-	-
14.	Dissolved Oxygen (mg / l)	7.8	6.4	7.2	6.5
15.	Biochemical Oxygen Demand (mg / l)	8.5	12.1	12.8	13.0
16.	Chemical Oxygen Demand (mg / l)	14.0	-	-	-
17.	Total Coliform (MPN / 100 ml)	2800	2400	2400	3400
18.	Faecal Coliform (MPN / 100 ml)	1400	540	920	1880

**Table – 3**
**WATER QUALITY OF THADLASKEIN LAKE**

SL. NO.	PARAMETER	JUNE 2002	SEP. 2002	DEC. 2002	MAR. 2003
1.	pH	6.6	7.4	7.0	6.8
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	108.0	125.0	119.0	122.0
3.	Turbidity (NTU)	2.0	-	-	-
4.	Total Dissolved Solids (mg / l)	70.2	-	-	-
5.	Chloride (mg / l)	15.0	-	-	-
6.	Hardness (mg / l)	16.0	-	-	-
7.	Alkalinity (mg / l)	10.0	-	-	-
8.	Calcium (mg / l)	8.5	-	-	-
9.	Sodium (mg / l)	4.2	-	-	-
10.	Magnesium (mg / l)	6.2	-	-	-
11.	Sulphate (mg / l)	4.8	-	-	-
12.	Phosphate (mg / l)	Nil	-	-	-
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	-	3.1	1.0	3.0
14.	Ammonical Nitrogen (mg/l)	0.6	-	-	-
15.	Kjeldahl Nitrogen (mg / l)	1.1	-	-	-
16.	Dissolved Oxygen (mg / l)	-	5.3	5.6	5.8
17.	Biochemical Oxygen Demand (mg / l)	-	2.2	3.2	6.5
18.	Chemical Oxygen Demand (mg / l)	8.6	-	-	-
19.	Total Coliform (MPN / 100 ml)	-	130	140	140
20.	Faecal Coliform (MPN / 100 ml)	-	17	49	70

**Table – 4**
**WATER QUALITY OF KYRHUHKHLA LAKE**

SL. NO.	PARAMETER	JUNE 2002	SEP. 2002	DEC. 2002	MAR. 2003
1.	pH	3.0	3.2	3.2	3.0
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	375.5	400.0	360.0	820.0
3.	Turbidity (NTU)	22.5	-	-	-
4.	Total Dissolved Solids (mg / l)	280.8	-	-	-
5.	Chloride (mg / l)	25.0	-	-	-
6.	Hardness (mg / l)	14.0	-	-	-
7.	Acidity (mg / l)	45.0	-	-	-
8.	Calcium (mg / l)	10.0	-	-	-
9.	Sodium (mg / l)	3.0	-	-	-
10.	Magnesium (mg / l)	4.0	-	-	-
11.	Sulphate (mg / l)	127.9	-	-	-
12.	Phosphate (mg / l)	Nil	-	-	-
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	0.3	2.2	4.1	1.5
14.	Ammonical Nitrogen (mg/l)	1.0	-	-	-
15.	Kjeldahl Nitrogen (mg / l)	2.0	-	-	-
16.	Dissolved Oxygen (mg / l)	6.2	4.8	6.4	5.1
17.	Biochemical Oxygen Demand (mg / l)	5.9	3.5	4.2	6.0
18.	Chemical Oxygen Demand (mg / l)	10.0	-	-	-
19.	Total Coliform (MPN / 100 ml)	13	14	21	26
20.	Faecal Coliform (MPN / 100 ml)	Nil	7	4	13

**Table – 5**

**WATER QUALITY OF MYNTDU RIVER, JOWAI**

SL. NO.	PARAMETER	JUNE 2002	SEP. 2002	DEC. 2002	APR. 2003
1.	pH	6.7	6.8	7.0	6.9
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	102.0	121.0	122.0	156.0
3.	Turbidity (NTU)	6.5	-	-	-
4.	Total Dissolved Solids (mg / l)	66.3	-	-	-
5.	Chloride (mg / l)	10.0	-	-	-
6.	Hardness (mg / l)	24.0	-	-	-
7.	Alkalinity (mg / l)	14.0	-	-	-
8.	Calcium (mg / l)	8.2	-	-	-
9.	Sodium (mg / l)	2.4	-	-	-
10.	Magnesium (mg / l)	4.0	-	-	-
11.	Sulphate (mg / l)	5.2	-	-	-
12.	Phosphate (mg / l)	Nil	-	-	-
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	-	6.2	8.1	1.3
14.	Ammonical Nitrogen (mg/l)	0.6	-	-	-
15.	Kjeldahl Nitrogen (mg / l)	1.0	-	-	-
16.	Dissolved Oxygen (mg / l)	-	5.3	6.2	8.0
17.	Biochemical Oxygen Demand (mg / l)	-	6.2	3.3	2.3
18.	Chemical Oxygen Demand (mg / l)	4.2	-	-	-
19.	Total Coliform (MPN / 100 ml)	-	920	2400	2200
20.	Faecal Coliform (MPN / 100 ml)	-	220	540	1400

**Table – 6**
**WATER QUALITY OF GANOL RIVER, TURA**

SL. NO.	PARAMETER	JUNE 2002	SEP. 2002	DEC. 2002	MAR. 2003
1.	pH	-	7.2	6.8	6.8
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	105.0	133.0	146.0	145.0
3.	Turbidity (NTU)	8.0	-	-	-
4.	Total Dissolved Solids (mg / l)	68.3	-	-	-
5.	Chloride (mg / l)	8.0	-	-	-
6.	Hardness (mg / l)	34.0	-	-	-
7.	Alkalinity (mg / l)	10.0	-	-	-
8.	Calcium (mg / l)	8.5	-	-	-
9.	Sodium (mg / l)	2.3	-	-	-
10.	Magnesium (mg / l)	4.1	-	-	-
11.	Sulphate (mg / l)	4.6	-	-	-
12.	Phosphate (mg / l)	Nil	-	-	-
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	-	4.0	1.2	1.4
14.	Ammonical Nitrogen (mg/l)	1.1	-	-	-
15.	Kjeldahl Nitrogen (mg / l)	2.3	-	-	-
16.	Dissolved Oxygen (mg / l)	-	5.4	7.4	6.7
17.	Biochemical Oxygen Demand (mg / l)	-	1.4	2.3	2.5
18.	Chemical Oxygen Demand (mg / l)	10.0	-	-	-
19.	Total Coliform (MPN / 100 ml)	-	79	180	140
20.	Faecal Coliform (MPN / 100 ml)	-	49	110	94

**Table – 7**
**WATER QUALITY OF SIMSANG RIVER, WILLIAMNAGAR**

SL. NO.	PARAMETER	JUNE 2002	SEP. 2002	DEC. 2002	APR. 2003
1.	pH	-	70	6.9	7.0
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	150.0	134.0	138.0	161.0
3.	Turbidity (NTU)	5.8	-	-	-
4.	Total Dissolved Solids (mg / l)	98.0	-	-	-
5.	Chloride (mg / l)	11.0	-	-	-
6.	Hardness (mg / l)	22.0	-	-	-
7.	Alkalinity (mg / l)	14.0	-	-	-
8.	Calcium (mg / l)	7.2	-	-	-
9.	Sodium (mg / l)	3.2	-	-	-
10.	Magnesium (mg / l)	4.6	-	-	-
11.	Sulphate (mg / l)	5.8	-	-	-
12.	Phosphate (mg / l)	Nil	-	-	-
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	-	5.4	6.1	1.3
14.	Ammonical Nitrogen (mg/l)	0.6	-	-	-
15.	Kjeldahl Nitrogen (mg / l)	-	-	-	-
16.	Dissolved Oxygen (mg / l)	-	6.6	7.2	6.2
17.	Biochemical Oxygen Demand (mg / l)	-	2.6	4.6	3.5
18.	Chemical Oxygen Demand (mg / l)	12.0	-	-	-
19.	Total Coliform (MPN / 100 ml)	-	350	920	540
20.	Faecal Coliform (MPN / 100 ml)	-	170	280	240

**Table – 8**
**WATER QUALITY OF POLICE BAZAR SPRING, SHILLONG**

SL. NO.	PARAMETER	DECEMBER 2002	MAY 2003
1.	pH	6.5	6.8
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	163.0	170.0
3.	Turbidity (NTU)	-	10.0
4.	Total Dissolved Solids (mg / l)	-	130.2
5.	Chloride (mg / l)	-	25.0
6.	Hardness (mg / l)	-	50.5
7.	Alkalinity (mg / l)	-	18.0
8.	Calcium (mg / l)	-	42.0
9.	Sodium (mg / l)	-	14.0
10.	Magnesium (mg / l)	-	8.5
11.	Sulphate (mg / l)	-	1.0
12.	Phosphate (mg / l)	-	Nil
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	6.1	7.2
14.	Ammonical Nitrogen (mg/l)	-	0.5
15.	Kjeldahl Nitrogen (mg / l)	-	1.2
16.	Dissolved Oxygen (mg / l)	4.8	6.8
17.	Biochemical Oxygen Demand (mg / l)	2.4	2.2
18.	Chemical Oxygen Demand (mg / l)	-	6.0
19.	Total Coliform (MPN / 100 ml)	79	46
20.	Faecal Coliform (MPN / 100 ml)	12	23

**Table – 9**
**WATER QUALITY OF MAWPDANG SPRING, MAWLAI**

SL. NO.	PARAMETER	DECEMBER 2002	MAY 2003
1.	pH	6.8	7.0
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	220.0	210.5
3.	Turbidity (NTU)	-	14.0
4.	Total Dissolved Solids (mg / l)	-	168.5
5.	Chloride (mg / l)	-	46.8
6.	Hardness (mg / l)	-	62.4
7.	Alkalinity (mg / l)	-	22.0
8.	Calcium (mg / l)	-	50.1
9.	Sodium (mg / l)	-	20.4
10.	Magnesium (mg / l)	-	12.3
11.	Sulphate (mg / l)	-	1.0
12.	Phosphate (mg / l)	-	Nil
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	4.1	5.0
14.	Ammonical Nitrogen (mg/l)	-	0.5
15.	Kjeldahl Nitrogen (mg / l)	-	1.1
16.	Dissolved Oxygen (mg / l)	7.0	5.4
17.	Biochemical Oxygen Demand (mg / l)	2.7	2.8
18.	Chemical Oxygen Demand (mg / l)	-	12.0
19.	Total Coliform (MPN / 100 ml)	79	94
20.	Faecal Coliform (MPN / 100 ml)	9	49



**Table – 10**
**WATER QUALITY OF NARBONG WELL, BYRNIHAT**

SL. NO.	PARAMETER	DECEMBER 2002	MAY 2003
1.	pH	6.5	6.7
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	136.0	153.0
3.	Turbidity (NTU)	-	7.2
4.	Total Dissolved Solids (mg / l)	-	122.4
5.	Chloride (mg / l)	-	20.3
6.	Hardness (mg / l)	-	53.9
7.	Alkalinity (mg / l)	-	25.0
8.	Calcium (mg / l)	-	38.4
9.	Sodium (mg / l)	-	8.8
10.	Magnesium (mg / l)	-	15.5
11.	Sulphate (mg / l)	-	1.1
12.	Phosphate (mg / l)	-	Nil
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	2.5	1.2
14.	Ammonical Nitrogen (mg/l)	-	0.4
15.	Kjeldahl Nitrogen (mg / l)	-	1.5
16.	Dissolved Oxygen (mg / l)	5.9	6.2
17.	Biochemical Oxygen Demand (mg / l)	0.7	1.4
18.	Chemical Oxygen Demand (mg / l)	-	8.0
19.	Total Coliform (MPN / 100 ml)	26	33
20.	Faecal Coliform (MPN / 100 ml)	5	17

**Table – 11**
**WATER QUALITY OF WAH - U - DKHAR SPRING, SOHRA (CHERRAPUNJEE)**

SL. NO.	PARAMETER	DECEMBER 2002	MAY 2003
1.	pH	6.5	6.9
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	66	120.5
3.	Turbidity (NTU)	-	4.5
4.	Total Dissolved Solids (mg / l)	-	110.5
5.	Chloride (mg / l)	-	20.0
6.	Hardness (mg / l)	-	56.2
7.	Alkalinity (mg / l)	-	25.0
8.	Calcium (mg / l)	-	46.2
9.	Sodium (mg / l)	-	5.2
10.	Magnesium (mg / l)	-	10.0
11.	Sulphate (mg / l)	-	Nil
12.	Phosphate (mg / l)	-	Nil
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	1.9	2.0
14.	Ammonical Nitrogen (mg/l)	-	0.5
15.	Kjeldahl Nitrogen (mg / l)	-	1.5
16.	Dissolved Oxygen (mg / l)	7.0	6.3
17.	Biochemical Oxygen Demand (mg / l)	2.1	1.3
18.	Chemical Oxygen Demand (mg / l)	-	5.0
19.	Total Coliform (MPN / 100 ml)	14	14
20.	Faecal Coliform (MPN / 100 ml)	6	11

**Table – 12**
**WATER QUALITY OF UMSAHEP SPRING**

SL. NO.	PARAMETER	DECEMBER 2002	MAY 2003
1.	pH	6.5	7.0
2.	Conductivity ( $\mu\text{mho} / \text{cm}^2$ )	134.0	140.5
3.	Turbidity (NTU)	-	5.0
4.	Total Dissolved Solids (mg / l)	-	88.5
5.	Chloride (mg / l)	-	16.8
6.	Hardness (mg / l)	-	39.4
7.	Alkalinity (mg / l)	-	19.0
8.	Calcium (mg / l)	-	25.0
9.	Sodium (mg / l)	-	5.2
10.	Magnesium (mg / l)	-	14.4
11.	Sulphate (mg / l)	-	1.0
12.	Phosphate (mg / l)	-	Nil
13.	Nitrogen (Nitrite & Nitrate) (mg / l)	2.0	2.5
14.	Ammonical Nitrogen (mg/l)	-	0.4
15.	Kjeldahl Nitrogen (mg / l)	-	1.1
16.	Dissolved Oxygen (mg / l)	8.0	8.5
17.	Biochemical Oxygen Demand (mg / l)	0.7	0.4
18.	Chemical Oxygen Demand (mg / l)	-	6.0
19.	Total Coliform (MPN / 100 ml)	9	27
20.	Faecal Coliform (MPN / 100 ml)	Nil	13

**Table – 13**  
**DAY TIME NOISE READINGS**

Sl.No.	PLACE	CATEGORY	AMBIENT NOISE STANDARDS [dB (A) Leq]	NOISE MONITORED			
				BEFORE DIWALI		ON DIWALI DAY	
				1 <sup>st</sup> . NOVEMBER, 2002		4 <sup>th</sup> . NOVEMBER, 2002	
				TIME	READING [dB (A) Leq]	TIME	READING [dB (A) Leq]
1.	Jaiaw	Residential	55	8:35 P.M.	50.4	3:10 P.M.	56.4
2.	Lawsotun	Residential	55	-	-	3:40 P.M.	47.9
3.	Rilbong	Residential	55	7:25 P.M.	49.7	4:00 P.M.	58.7
4.	Lumpynggad	Residential	55	5:00 P.M.	45.5	4:25 P.M.	66.9
5.	Lummawrie	Residential	55	6:25 P.M.	54.7	4:32 P.M.	58.8
6.	Pohkse	Residential	55	6:05 P.M.	53.3	5:10 P.M.	58.0
7.	Umpling	Residential	55	6:10 P.M.	<b>56.4</b>	5:20 P.M.	70.1
8.	Upper Mawprem	Residential	55	8:04 P.M.	<b>68.3</b>	6:50 P.M.	<b>84.8</b>
9.	Bishop's Falls Mawprem	Residential	55	8:08 P.M.	44.9	6:58 P.M.	78.5
10.	Motphran	Commercial	65	7:45 P.M.	68.9	3:20 P.M.	76.8
11.	Last Stop, Laban	Commercial	65	7:11 P.M.	63.1	3:50 P.M.	64.9 81.7
12.	Sawlad (Band Stand)	Commercial	65	5:25 P.M.	74.0	4:45 P.M.	77.0
13.	Madanryting	Commercial	65	5:30 P.M.	67.8	4:50 P.M.	80.4
14.	Nongthymmai Bus Stop	Commercial	65	5:55 P.M.	78.1	5:00 P.M.	77.0
15.	Rynjah Bazar	Commercial	65	6:07 P.M.	73.8	5:15 P.M.	69.4

16.	Laitumkhras Main Road	Commercial	65	6:28 P.M.	72.1	5:35 P.M.	87.8
17.	Polo Bazar	Commercial	65	6:45 P.M.	67.7	5:55 P.M.	72.1
18.	Laban Iewdak (Batti Bazaar)	Commercial	65	7:08 P.M.	67.4	6:15 P.M.	87.9
19.	Jhalupara	Commercial	65	7:57 P.M.	66.9	6:45 P.M.	71.6
20.	Barapathar Bazaar	Commercial	65	8:00 P.M.	70.9	6:48 P.M.	78.0
21.	Mawprem Taxi Stand	Commercial	65	8:12 P.M.	59.3	7:02 P.M.	75.4
22.	Paltan Bazaar	Commercial	65	7:50 P.M.	58.1	7:10 P.M.	86.3
23.	Keating Road	Commercial	65	7:30 P.M.	61.6	7:25 P.M.	89.6
24.	Police Bazaar	Commercial	65	7:40 P.M.	75.7	7:33 P.M.	91.2 108.2 102.8 90.5 91.6 109.0 101.8
25.	K.J.P Synod Hospital	Silence Zone	50	8:25 P.M.	67.5	3:15 P.M.	54.7
26.	Shankar Dev College	Silence Zone	50	7:20 P.M.	62.5	3:55 P.M.	65.0
27.	Bethany Hospital	Silence Zone	50	6:20 P.M.	64.8	5:30 P.M.	62.1
28.	Nazareth Hospital	Silence Zone	50	6:30 P.M.	54.4	5:40 P.M.	61.7
29.	Don Bosco Square	Silence Zone	50	-	-	5:43 P.M.	76.6
30.	Ganesh Das Hospital	Silence Zone	50	6:50 P.M.	52.3	6:00 P.M.	67.9
31.	N.E.H.U (Mayurbhanj)	Silence Zone	50	-	-	4:55 P.M.	51.3
32.	Civil Hospital	Silence Zone	50	7:02 P.M.	60.0	6:10 P.M.	69.0
33.	District Council Court	Silence Zone	50	8:17 P.M.	69.9	7:08 P.M.	79.0
34.	Main Secretariat	Silence Zone	50	7:35 P.M.	64.0	7:30 P.M.	82.0

**NOTE:** Ambient Noise Standards are taken from the Noise Pollution (Regulation & Control) Rules, 2000. “-” indicates that reading was not taken

**Table – 14**  
**NIGHT TIME NOISE READINGS**

Sl. No	PLACE	CATEGORY	AMBIENT NOISE STANDARDS [dB (A) Leq]	NOISE MONOTORED			
				BEFORE DIWALI		ON DIWALI DAY	
				1 <sup>st</sup> . NOVEMBER, 2002		4 <sup>th</sup> . NOVEMBER, 2002	
				TIME	READING [dB (A) Leq]	TIME	READING [dB (A) Leq]
1.	Jaiaw	Residential	45	12:35 A.M.	39.7	12:50 A.M.	57.6
2.	Lawsotun	Residential	45	-	-	12:25 A.M.	35.5
3.	Rilbong	Residential	45	12:25 A.M.	39.1	12:20 A.M.	50.1
4.	Lumpynggad	Residential	45	12:00 A.M.	38.0	12:35 A.M.	48.2
5.	Lummawrie	Residential	45	11:20 P.M.	41.3	10:40 P.M.	57.4
6.	Pohkse	Residential	45	11:40 P.M.	41.9	10:20 P.M.	48.4
7.	Umpling	Residential	45	11:30 P.M.	45.6	10:30 P.M.	65.7
8.	Upper Mawprem	Residential	45	10:29 P.M.	48.2	11:50 P.M.	66.2
9.	Bishop's Falls Mawprem	Residential	45	10:25 P.M.	39.7	11:45 P.M.	43.7
10.	Motphran	Commercial	55	10:43 P.M.	51.4	11:30 P.M.	84.7
11.	Last Stop, Laban	Commercial	55	12:17 P.M.	49.4	12:10 A.M.	53.8
12.	Sawlad (Band Stand)	Commercial	55	11:45 P.M.	55.1	10:00 P.M.	59.3
13.	Madanryting	Commercial	55	11:50 P.M.	52.1	10:03 P.M.	60.1
14.	Nongthymmai Bus Stop	Commercial	55	11:55 P.M.	53.9	10:15 P.M.	86.6
15.	Rynjah Bazaar	Commercial	55	11:35 P.M.	47.9	10:25 P.M.	53.6
16.	Laitumkhrah Main Road	Commercial	55	11:18 P.M.	41.6	10:40 P.M.	110.6

							101.1
17.	Polo Bazaar	Commercial	55	11:05 P.M.	51.0	10:49 P.M.	100.2 95.8

18.	Laban Iewdak (BattiBazaar)	Commercial	55	12:15 A.M.	41.1	12:10 A.M.	58.2
19.	Jhalupara	Commercial	55	10:37 P.M.	53.1	12:00 A.M.	65.3
20.	Barapathar Bazaar	Commercial	55	10:32 P.M.	62.9	11:55 P.M.	79.0
21.	Mawprem Taxi Stand	Commercial	55	10:20 P.M.	48.9	11:40 P.M.	64.1
22.	Paltan Bazar	Commercial	55	10:40 P.M.	46.8	11:30 P.M.	92.2 102.1
23.	Keating Road	Commercial	55	10:52 P.M.	49.7	11:20 P.M.	82.4
24.	Police Bazaar	Commercial	55	10:47 P.M.	54.8	11:25 P.M.	92.6 97.3 99.0 104.0 107.0
25.	K.J.P Synod Hospital	Silence Zone	40	12:35 A.M.	39.7	12:45 A.M.	57.1
26.	Shankar Dev College	Silence Zone	40	12:20A.M.	40.6	12:15 A.M.	51.5
27.	Bethany Hospital	Silence Zone	40	11:25 P.M.	46.1	10:35 P.M.	56.1
28.	Nazareth Hospital	Silence Zone	40	11:15 P.M.	48.0	10:42 P.M.	71.9
29.	Don Bosco Square	Silence Zone	40	-	-	10:45 P.M.	55.8
30.	Ganesh Das Hospital	Silence Zone	40	11:10 P.M.	41.3	11:05 P.M.	67.5
31.	N.E.H.U (Mayurbhanj)	Silence Zone	40	-	-	10:08 P.M.	62.7
32.	Civil Hospital	Silence Zone	40	12:10 A.M.	47.0	12:05 A.M.	54.0

33.	District Council Court	Silence Zone	40	10:15 P.M.	53.4	11:35 P.M.	82.0
34.	Main Secretariat	Silence Zone	40	10:57 P.M.	42.7	11:15 P.M.	72.1

**NOTE:** Ambient Noise Standards are taken from the Noise Pollution (Regulation & Control) Rules, 2000.

“-” indicates that reading was not taken.