

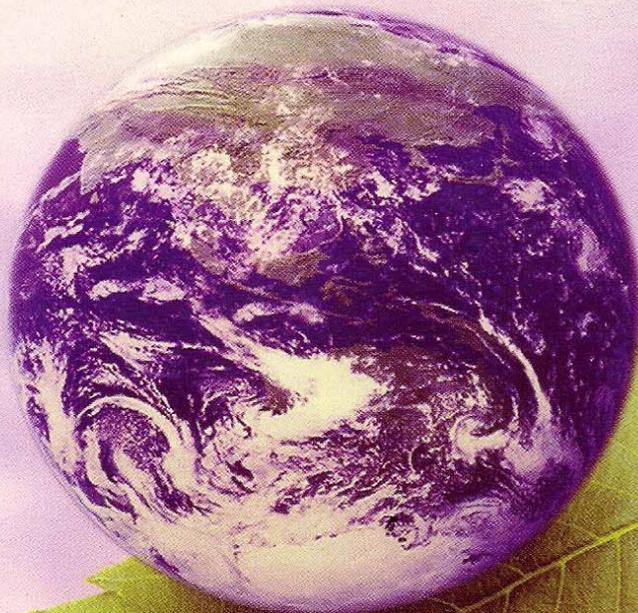
MEGHALAYA



STATE POLLUTION CONTROL BOARD

'ARDEN', LUMPYNGGAD, SHILLONG - 703014

ANNUAL REPORT 2006-2007



PROTECT THE
ENVIRONMENT

ANNUAL REPORT

2006-2007



MEGHALAYA STATE POLLUTION CONTROL BOARD

CONTENTS

1. INTRODUCTION
 2. CONSTITUTION OF THE BOARD AND CHANGES THEREIN
 3. MEETINGS OF THE BOARD WITH MAJOR DECISIONS
 4. COMMITTEES CONSTITUTED BY THE BOARD AND THEIR ACTIVITIES
 5. MONITORING NETWORK FOR AIR QUALITY WATER QUALITY AND NOISE LEVEL
 6. PRESENT STATE OF THE ENVIRONMENT, ENVIRONMENTAL PROBLEMS AND COUNTER MEASURES
 7. ENVIRONMENTAL RESEARCH
 8. ENVIRONMENTAL TRAINING
 9. ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION
 10. ENVIRONMENTAL STANDARDS INCLUDING THE TIME SCHEDULE FOR THEIR ENFORCEMENT
 - 11.1 PROSECUTIONS AND CONVICTIONS FOR ENVIRONMENTAL CONTROL
 - 11.2 CLOSURE OF INDUSTRIAL POLLUTING UNIT
 12. OTHER ACTIVITIES OF THE BOARD
 13. FINANCE AND ACCOUNTS OF THE BOARD
 14. ANNEXURES
-

Chapter

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 **54 (Fifty four) Staff as on 31-03-2007 against a sanctioned strength of 102 (One hundred and two)**. The details of staff position are given in **Annexure-3**. The organization chart of the Board is given in **Annexure-2**.

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 in respect of industries.
- Enforcement of Provisions of the Rules in respect of industries.
- Monitoring the Compliance of Standards by industries.
- Monitoring of ambient noise in Industrial/Commercial/Residential areas.

Chapter
2

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 16th November, 1983. The last reconstitution was notified out in May 1998 vide Notification No. PHE 161/83/178 dtd. the 21st May 1998. However, the three non- officials members were reconstituted vide Notification NO.PHE.161/83/187 dt.the 24th March, 1999 & NO.PHE.161/83/205 dt.the 5th 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 – 1**.

Shri.H. Prasad continued as the Chairman and Shri. D. Hooroo continued as the Member Secretary of the Board during the financial year 2006-2007.

Chapter
3

MEETINGS OF THE BOARD WITH MAJOR DECISIONS

During the year 2006-2007, the Board conducted the following Meetings: -

SL NO.	MEETING NO.	DATE	VENUE	NO. OF MEMBERS ATTENDED THE MEETING
1.	47 th Board Meeting	17-11-2006	Office Chamber of the Chairman, MSPCB	8 (Eight)

The following decisions were taken in the above Meetings:

3.1 47th BOARD MEETING

- The matter of non-payment of Authorization fees by the Govt. Hospitals may be taken up by the Board with the Chief Secretary.
- Non-payment of cess by GHADC should be taken up with the Chief Secretary. The Board should intimate MeSEB to pay cess for its colonies.
- A Meeting may be convened with the District Councils, Forest Deptt., and Meghalaya State Pollution Control Board regarding adoption of modern low cost and environment friendly technology for the lime kilns in Meghalaya.
- It was decided that the list of the industrial units which haphazardly dump slag will be forwarded to the Industries Deptt. for taking necessary action.
- The State Vehicular Emission Monitoring Committee should be convened at the earliest. It was also decided that the office of the Board may take up with the concerned Departments and Deputy Commissioners for a surprise checking along the National Highway.
- The Members approved the proposal and authorized the office of the Board to take necessary action in adopting the new fees for vehicular emission testing as prescribed by the Transport Deptt., of the State Government.

Chapter
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 20th November, 1998 and the 16th November, 2000 respectively. The Selection Committees for recruitment to various posts under the Board through direct recruitment or promotion were constituted during July 2003.

The Compositions of the Consent Committee, the Purchase Committee, the Selection Committee(Grade-A) and the Promotion Committee (Grade-A),Composition of Promotion Committee (Grade-B,C and D), Assessment and Promotion Committee (Grade-B,C and D) are shown in the following tables respectively.

TABLE – 4.0		
COMPOSITION OF THE CONSENT COMMITTEE DURING THE YEAR		
2006-2007		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	: Chairman
2.	Senior Inspector of Boilers & Factories, Inspectorate of Boilers & Factories, Meghalaya, Shillong.	: Member
3.	Conservator of Forests, Meghalaya, Shillong.	: Member
4.	Deputy Director, Directorate of Industries, Meghalaya, Shillong.	: Member
5.	Director of Mineral Resources, Meghalaya, Shillong.	: Member
6.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	: Member Convener

TABLE – 4.1		
MEMBERS OF THE PURCHASE COMMITTEE DURING THE YEAR 2006-2007		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	: Chairman
2.	Director of Industries <i>or</i> his nominee.	: Member
3.	Chief Engineer P.H.E Deptt. Meghalaya <i>or</i> his nominee	: Member
4.	The Director, Regional Sophisticated Instrument Centre, Bijni Complex, N.E.H.U, Shillong.	: Member
5.	Senior Scientist, Indian Council of Agricultural Research(I.C.A.R), Umiam	: Member
6.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	: Convener

TABLE – 4.2 COMPOSITION OF THE SELECTION COMMITTEE DURING THE YEAR 2006-2007 [FOR GRADE – ‘A’ POSTS]		
1.	Commissioner & Secretary, Govt. of Meghalaya, P.H.E. Deptt., Shillong.	: Chairman
2.	Chairman Meghalaya State Pollution Control Board, Shillong.	: <u>Member</u>
3.	Under Secretary, Govt. of Meghalaya, P.H.E. Deptt. Shillong.	: Member
4.	Environmental Engineer, I/C North Eastern Zonal Office, Central Pollution Control Board, Shillong.	: Member
5.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	: Member Convener

TABLE – 4.3 COMPOSITION OF THE SELECTION COMMITTEE DURING THE YEAR 2006-2007 [FOR GRADE – ‘B’, ‘C’ & ‘D’ POSTS]		
1.	Chairman <u>Meghalaya State Pollution Control Board, Shillong.</u>	: Chairman
2.	Chief Administrative Officer, O/o the C.E., P.H.E. Deptt. Shillong.	: Member
3.	Environmental Engineer, I/C North Eastern Zonal Office, Central Pollution Control Board, Shillong.	: Member
4.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	: Member
5.	Administrative Officer/E.O. Meghalaya State Pollution Control Board, Shillong.	: Member Convener

TABLE – 4.4		
MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE DURING THE YEAR 2006-2007 [FOR GRADE – ‘A’ POSTS]		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	: Chairman
2.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	: Member
3.	Senior Scientist/Scientist ‘C’ Meghalaya State Pollution Control Board, Shillong	: Member
4.	Sr. Environmental Engineer/ Environmental Engineer Meghalaya State Pollution Control Board, Shillong	: Member
5.	Chief Administrative Officer, O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong.	: Member
6.	Administrative Officer/Establishment Officer Meghalaya State Pollution Control Board, Shillong.	: Member Convener

TABLE – 4.5		
MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE DURING THE YEAR 2006-2007 [FOR GRADE – ‘B’, ‘C’ & ‘D’ POSTS]		
1.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	: Chairman
2.	Chief Administrative Officer, O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong.	: Member
3.	Senior Scientist/Scientist ‘C’ Meghalaya State Pollution Control Board, Shillong	: Member
4.	Sr. Environmental Engineer/ Environmental Engineer Meghalaya State Pollution Control Board, Shillong	: Member
5.	Administrative Officer/Establishment Officer Meghalaya State Pollution Control Board, Shillong.	: Member Convener

Chapter
5

MONITORING NETWORK FOR AIR QUALITY, WATER QUALITY AND NOISE LEVEL

5.1 MONITORING OF AIR QUALITY

(A) NATIONAL AIR QUALITY MONITORING

The Meghalaya State Pollution Control Board is monitoring the Ambient Air Quality at 2 (two) stations in the state capital Shillong under National Air Monitoring Programme (NAMP) sponsored by CPCB. The frequency of monitoring is twice a week. Suspended Particulate Matter (SPM), Respirable Suspended Particulate Matter (RSPM), Sulfur Dioxide (SO₂), Oxides of Nitrogen (NO_x) and meteorological parameters viz. wind speed, wind direction, ambient air temperature, humidity, etc. were monitored at these stations and the observations are as given below:-

Table 5.1: Ambient Air Quality Data Monitoring at Board's Office premises, Lumpyngad, Shillong

MONTH & YEAR 2006-2007	PARAMETERS TESTED (MONTHLY AVERAGES)			
	SPM ($\mu\text{g}/\text{m}^3$)	RSPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
APRIL '06	66.9	54.6	2.0	4.8
MAY '06	58.0	45.1	2.0	4.5
JUNE '06	60.3	54.0	2.0	4.5
JULY '06	52.6	43.0	2.0	4.5
AUGUST '06	47.4	38.3	2.0	4.5
SEPTEMBER '06	52.0	43.8	2.0	4.5
OCTOBER '06	46.8	40.4	2.0	4.5
NOVEMBER '06	71.6	52.2	2.0	4.5
DECEMBER '06	105.4	78.6	2.0	4.5
JANUARY '07	69.3	57.4	2.0	4.5

FEBRUARY '07	74.7	64.2	2.0	4.5
MARCH '07	62.2	54.6	2.0	4.5

Table 5.2: Ambient Air Quality Data Monitoring at MUDA Parking Lot, Police Bazar, Shillong

MONTH & YEAR 2006 - 2007	PARAMETERS TESTED (MONTHLY AVERAGES)			
	SPM ($\mu\text{g}/\text{m}^3$)	RSPM ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
APRIL '06	58.9	63.25	3.3	15.0
MAY '06	97.7	59.9	2.0	12.5
JUNE '06	74.1	62.9	2.9	15.4
JULY '06	143.2	95.6	7.3	15.8
AUGUST '06	100.9	77.9	2.6	16.8
SEPTEMBER '06	106.9	85.4	4.2	14.7
OCTOBER '06	119.3	86.9	2.0	17.0
NOVEMBER '06	127.3	96.1	2.5	18.3
DECEMBER '06	167.9	92.7	11.4	18.8
JANUARY '07	141.0	105.7	5.6	17.0
FEBRUARY '07	123.6	90.3	3.2	12.9
MARCH '07	136.9	97.8	3.6	57.5

Table 5.3: Stack Monitoring Data

Sl. No.	Date of sampling	Name of sampling location	Type of Stack	Parameters Tested	Observed Value (mg/Nm ³)	Permissible Limit (mg/Nm ³)	Remarks
1.	30.03.2006	M/s Shyam Century Ferrous Ltd. Thermal Power Plant ,EPIP, Byrnihat,	Boiler (ESP)	PM	18.5	150	Within Permissible limits
2.	21.09.2006	M/s Jaintia Cements, Sutnga, Jaintia Hills	Kiln	PM	19.2	150	Within Permissible limits
3.	01.11.2006	M/S M.C.L. Lumshnong	Raw Mill & Kiln	PM	20.9	150	Within Permissible limits
4.	02.11.2006	M/S M.C.L. Lumshnong	Cooler (ESP)	PM	25.2	150	Within Permissible



							limits
5.	02.11.2006	M.C.L. Lumshnong	Cement Mill	PM	90.7	150	Within Permissible limits
6.	21.11.2006	Shyam Century Byrnihat	Submer ged Arc Furnace	PM	200.5	150	Above Permissible limits

(B) 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 2006-2007, the number of vehicles tested at the Centre is as follows:-

PERIOD	TYPE OF VEHICLES	TOTAL NO. OF VEHICLES TESTED	PERCENTAGE OF VEHICLES COMPLYING TO EMISSION STANDARDS	PERCENTAGE NOT COMPLYING TO EMISSION STANDARDS
01.04.2006 to 31.03.2007	Petrol-Driven LMV	1460	94.2%	5.8%

5.2 (A) MONITORING OF WATER QUALITY

(1) WATER QUALITY MONITORING NETWORK

One of the main functions of the Board is to monitor the water quality of water bodies so that a comprehensive programme for prevention and control on abatement of water pollution can be planned. Keeping this in view the Meghalaya State Pollution Control Board is monitoring the water quality of the following 8(eight) surface water bodies and 5(five) ground water bodies in the

state under the National Water Monitoring Programme (NWMP) sponsored by CPCB. The monitoring is done on quarterly basis in surface water and Half Yearly in case of ground water.

The details regarding the monitoring stations are as stated below:

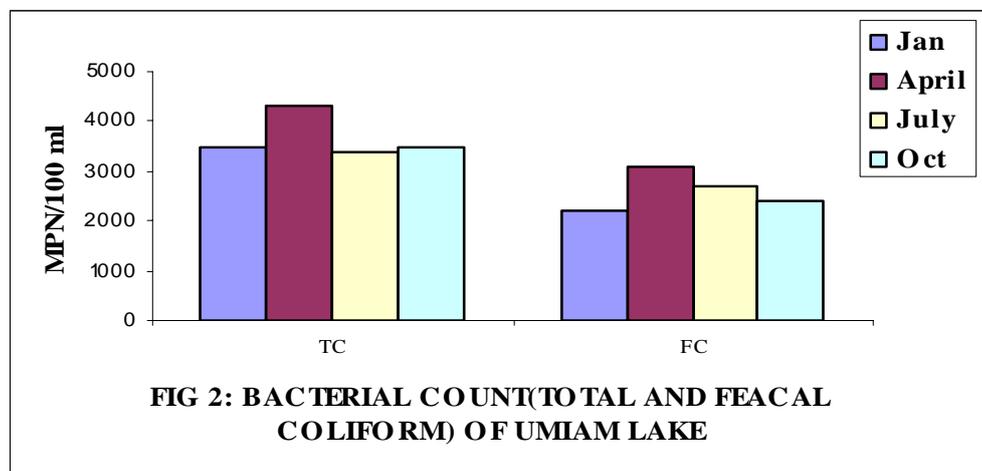
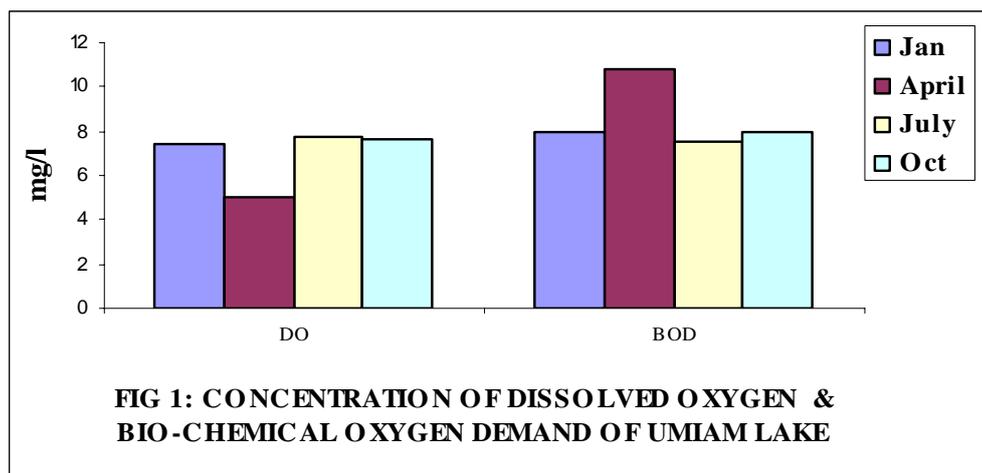
Table 5.4: Monitoring Stations under National Water Monitoring Programme

Sl.No.	Name of monitoring stations	Location	Parameters analysed on regular basis	Parameters analysed (Once in a Year)
Surface Water				
1.	Umtrew river	Byrnihat	<u>i. Field Observation:</u>	
2	Kyrhukhla river	Khliehriat	i. Weather, Colour & intensity, Odor, Visible effluent discharge, human. ii. <u>Physico-chemical & bacteriological parameters:</u> Dissolved Oxygen ,pH, Conductivity, Biological Oxygen Demand, Nitrate Nitrogen, Nitrite Nitrogen, Total Coliform and Fecal Coliform iii. <u>Biomonitoring:</u> Saprobity Index, Diversity Index	Turbidity, Alkalinity, Total Hardness, NH3-N, Kjeldahl-N, Calcium, Magnesium, Potassium, Sodium, Sulphates, Phosphates, COD, As*, Zn*, Cu*, Cr*, Cd*, Pb*, Fe*, Ni*, Flouride* and
3	Umiam lake	Umiam		
4	Ward's lake	Shillong		
5	Thadlaskein lake	Thadlaskein		
6	Myntdu river	Jowai		
7	Ganol river	Tura		
8	Simsang river	Williamnagar		
Ground Water				
9	Police Bazar spring	Shillong		
10	Mawpdang spring	Shillong		
11	Wah U Dkhar	Sohra		
12	Umsahep spring	Shangpung		
13	Narbong well	Byrnihat		

5.2.1: Water Quality of the monitored water bodies.

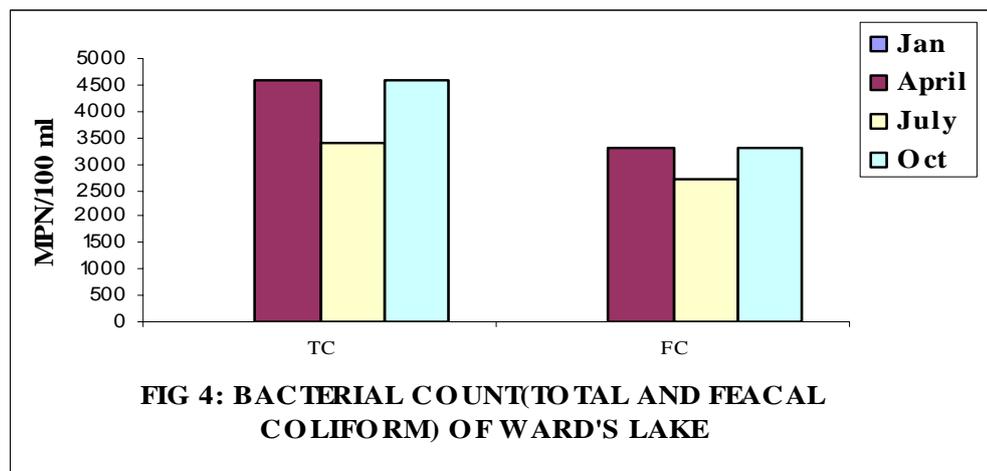
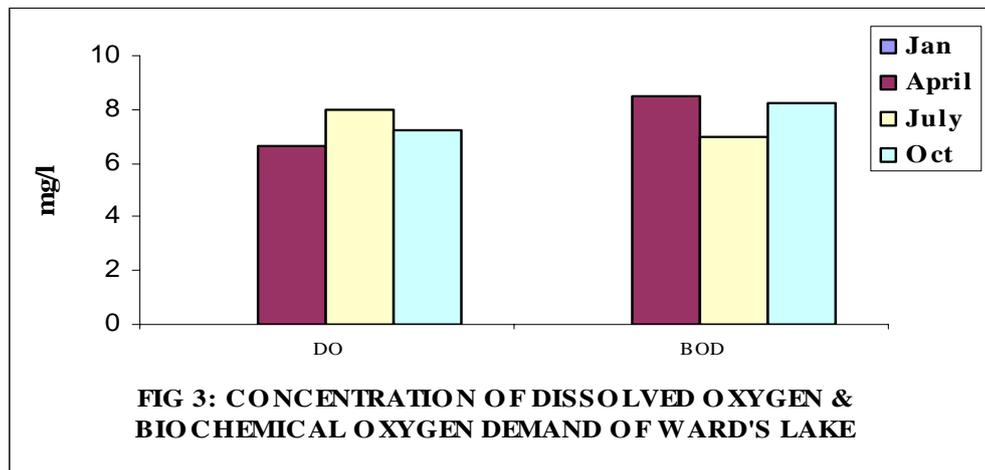
5.2.1.1: Physico-chemical & bacteriological parameters of Surface Water Quality

Umiam Lake: The monitoring result obtained during the year 2006 indicate that the Dissolved Oxygen value is meeting the desired class throughout the year. The Biochemical Oxygen Demand value ranges from 7.5mg/L to 10.8mg/L and found to be above the desired class (3 mg/l). The organic pollution examined in terms of Biochemical Oxygen Demand & Coliform count indicates the extent of water quality degradation. Similarly, Total and Feecal Coliform which indicate presence of pathogens in water are also of major concern. As per the Primary Water Quality Criteria the water body falls under ‘D’ class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Feecal Coliform of the monitoring station is depicted below.



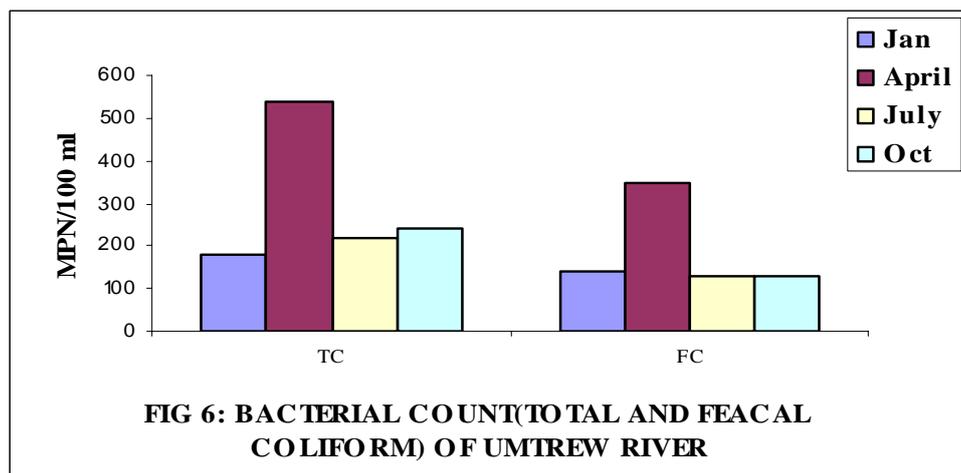
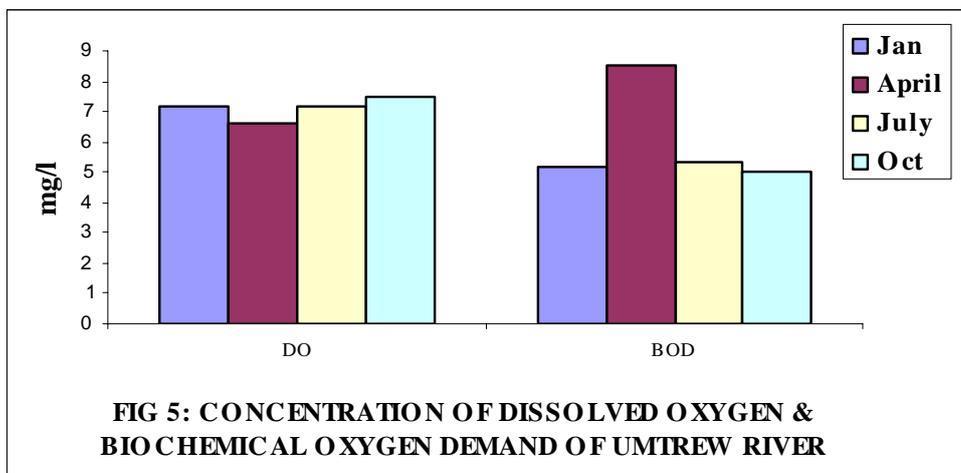
Ward'Lake: The monitoring results obtained during the year 2006 revealed that the Dissolved Oxygen concentration is meeting the desired class. The value ranges from 6.6mg/l to 8.0mg/l. The Biochemical Oxygen Demand value ranges from 7.0mg/l to 8.5mg/l which found to be above the desired class. The Total and Feecal Coliform are found to be high indicating the deteriorating condition of the lake.

As per the Primary Water Quality Criteria, the lake falls under 'D' class. The water quality of the lake with respect to Dissolved Oxygen, Biochemical Oxygen Demand, Total and Feecal Coliform is presented below

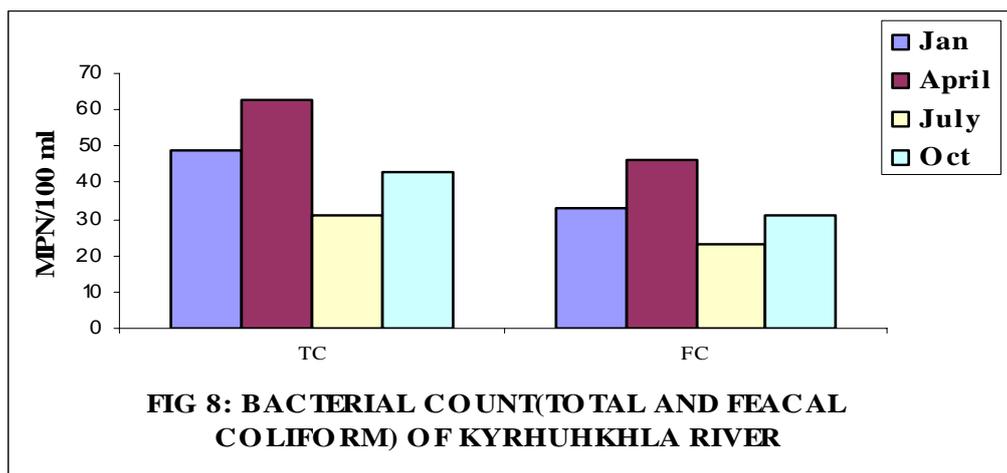
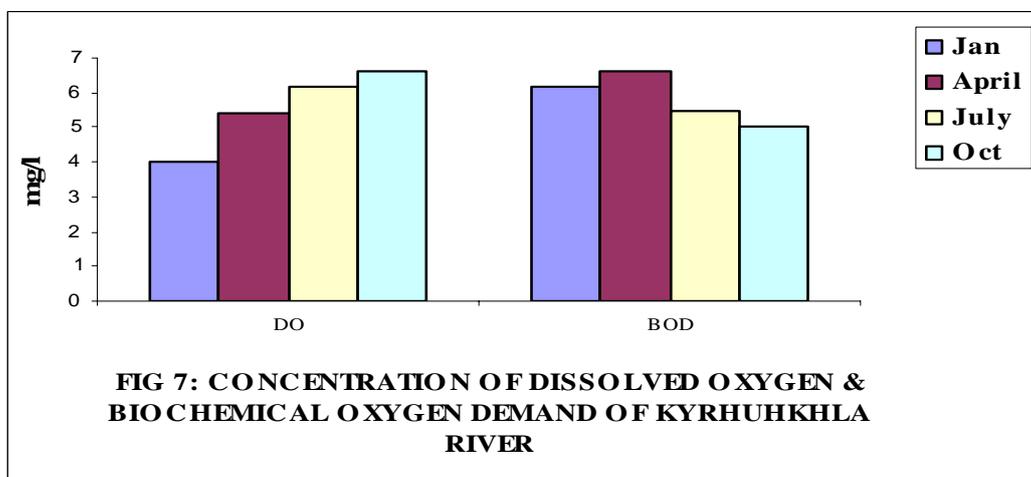


Umtrew River: The monitoring results obtained during the year 2006 indicate that the Dissolved Oxygen value is found to be within the limit for desired class. The Biochemical Oxygen Demand value ranges from 5.0 to 8.5 which found to be above the desired class. The Total and Fecal Coliforms also detected although their numbers are within the limit for the desired class.

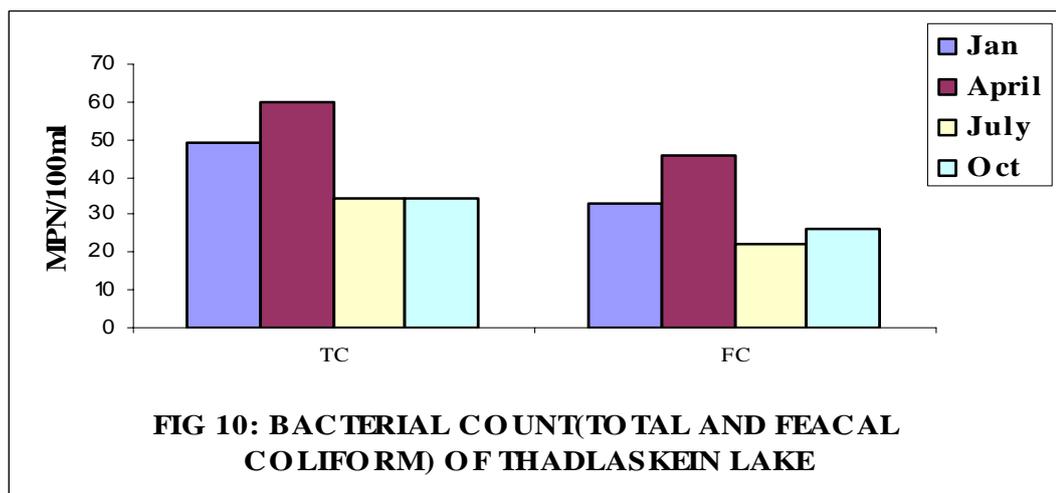
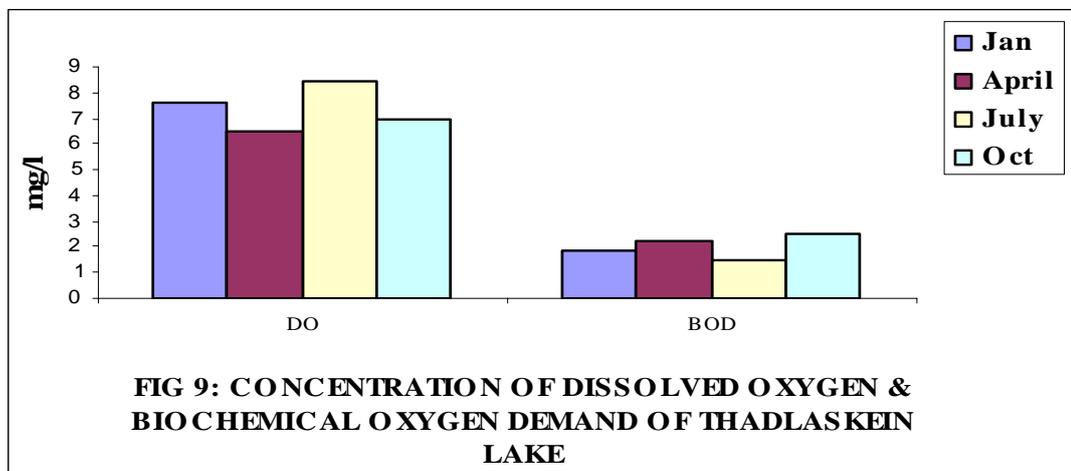
As per the Primary Water Quality Criteria, the river water falls under 'C' class. The water quality with respect to Dissolved Oxygen, Biochemical Oxygen Demand, Total and Fecal Coliform is presented below.



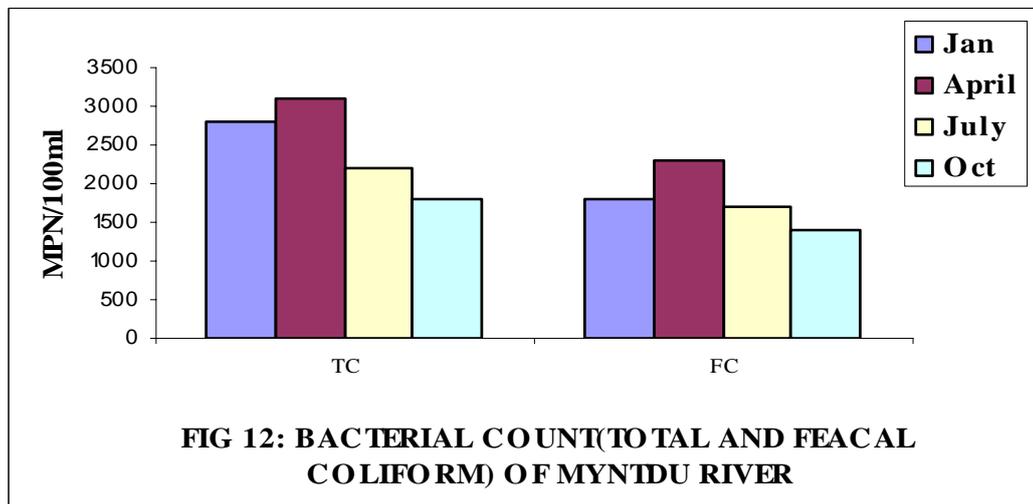
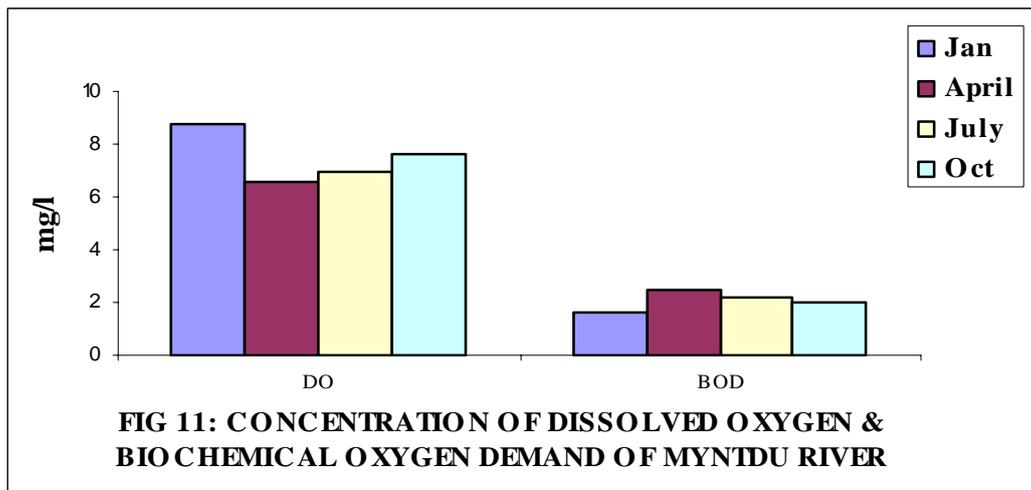
Kyrhukhla River: The monitoring result revealed that the pH value is as low as 2.7. The Biochemical Oxygen Demand value ranges from 5.0 to 6.6 which found to be above the limit for the desired class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented below.



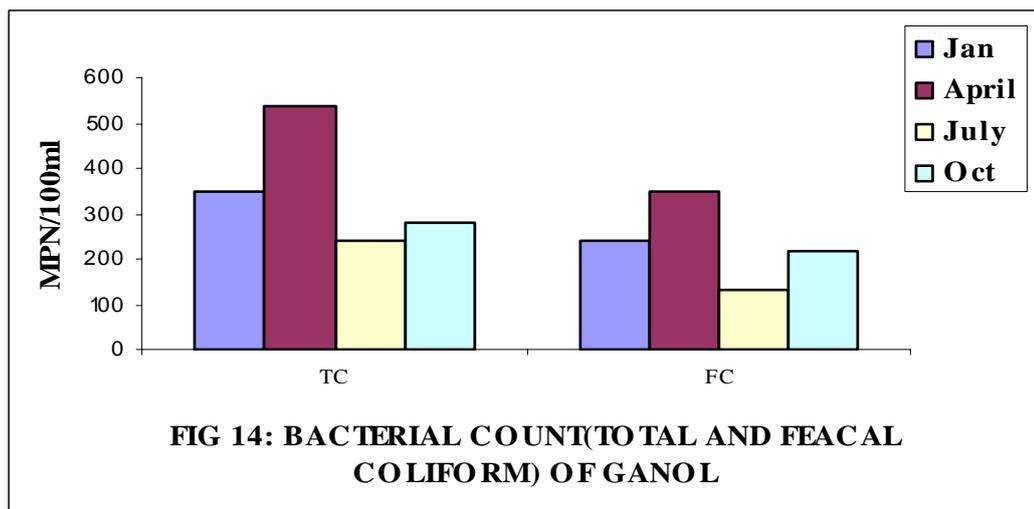
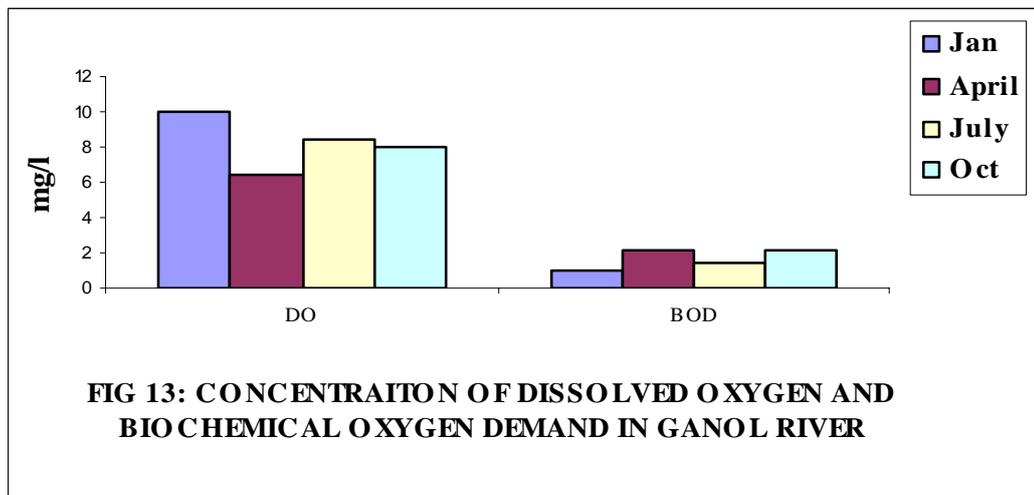
Thadlaskein Lake: The monitoring results show the presence of organic pollutants such as Biochemical Oxygen Demand. Total and Fecal Coliform are also detected. The lake water falls under ‘C’ class as per Primary Water Quality Criteria. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Fecal Coliform of the monitoring station is depicted below.



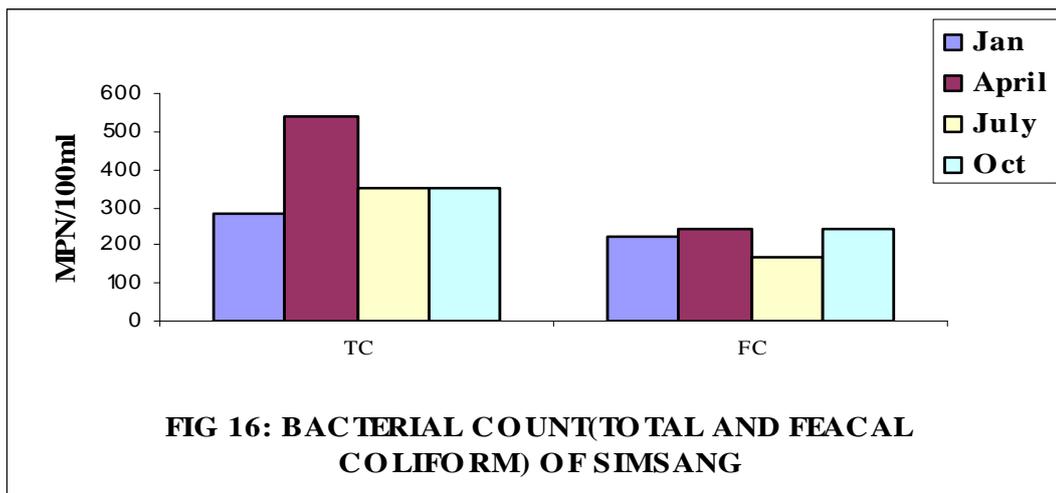
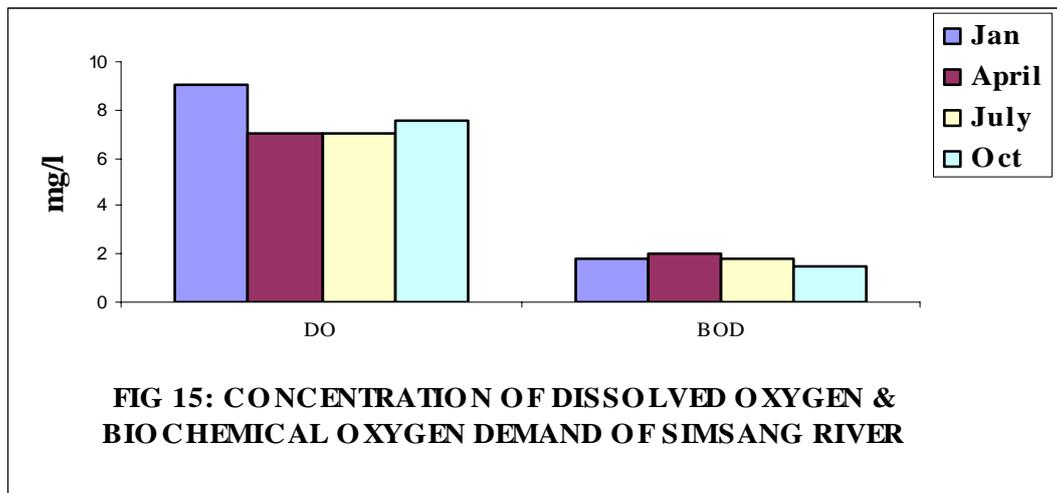
Myntdu River: The monitoring results indicate that the Bacterial count is found to be above the limit for desired class. As per the Primary Water Quality Criteria, the river water falls under ‘C’ class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform of the monitoring station is depicted below.



Ganol River: The monitoring result shows the presence of Total Coliform ranging from 240mpn/100ml-540 mpn/100ml & Feacal Coliform ranging from 130 mpn/100ml -350 mpn/100ml. As per Primary Water Quality Criteria, the river water falls under ‘B’ class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Feacal Coliform of the monitoring station is depicted in figures below.

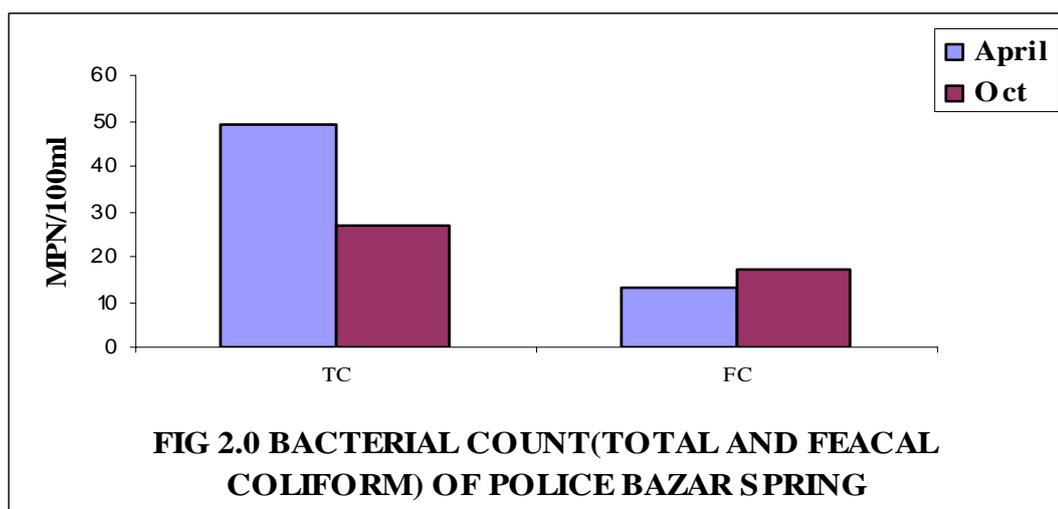
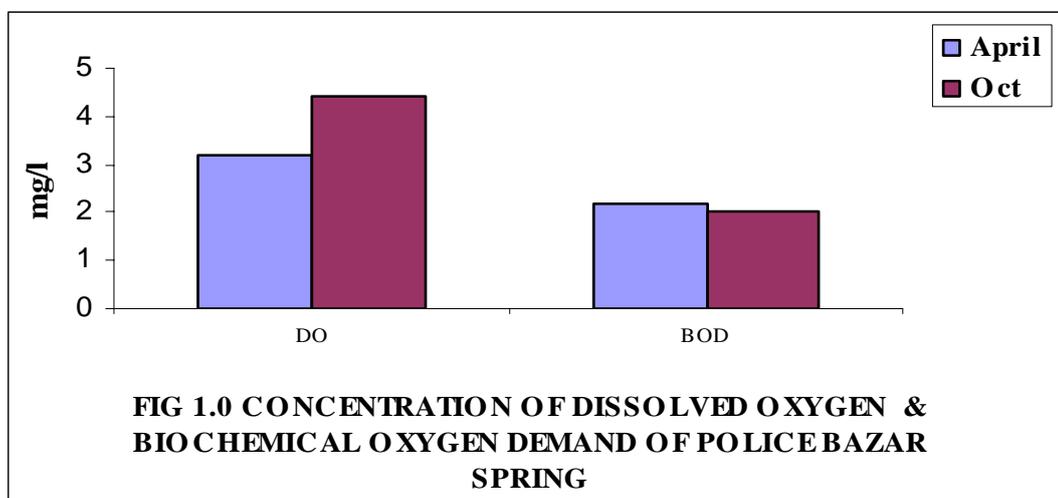


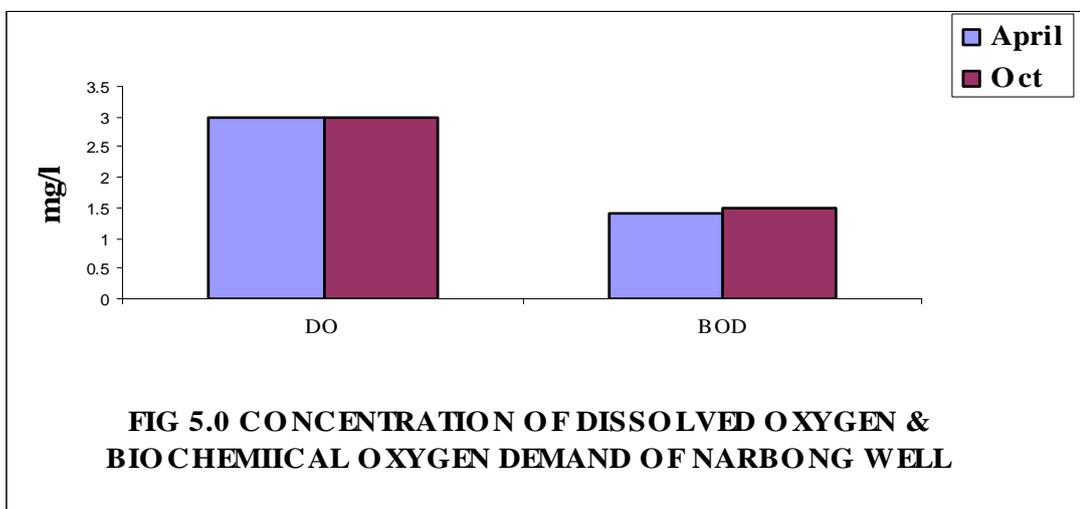
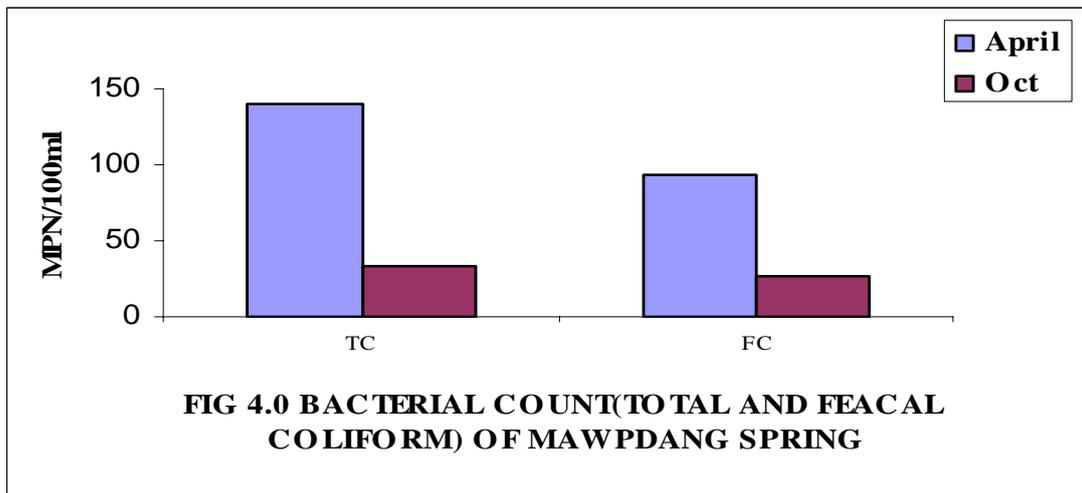
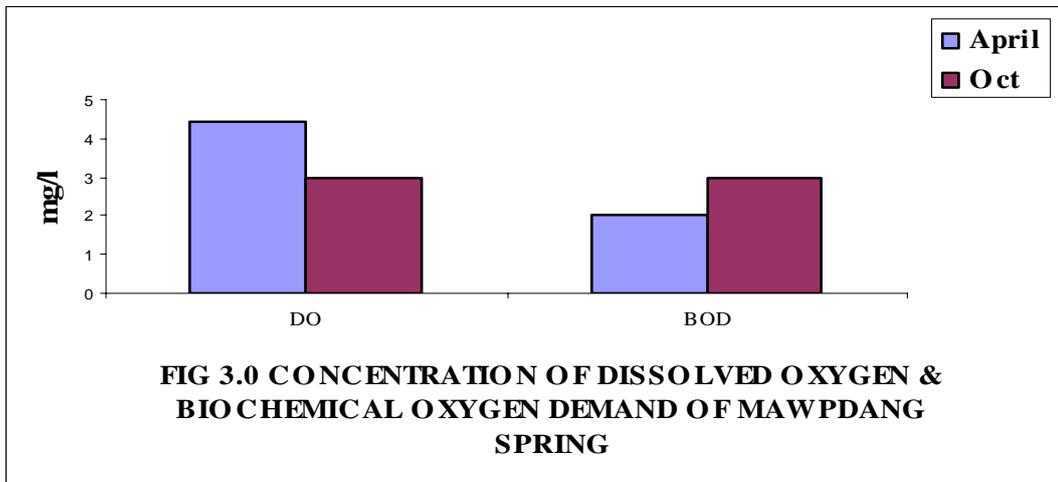
Simsang River: The monitoring result shows the presence of Bacterial count ranging from 280 mpn/100ml -540 mpn/100ml for Total Coliform and 170 mpn/100ml -240 mpn/100ml for Faecal Coliform. As per the Primary Water Quality Criteria, the river water falls under 'B' class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is depicted in figures below.

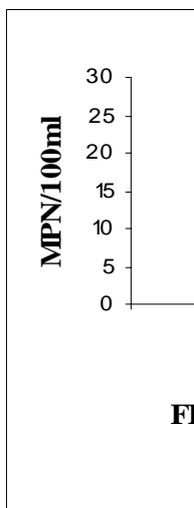
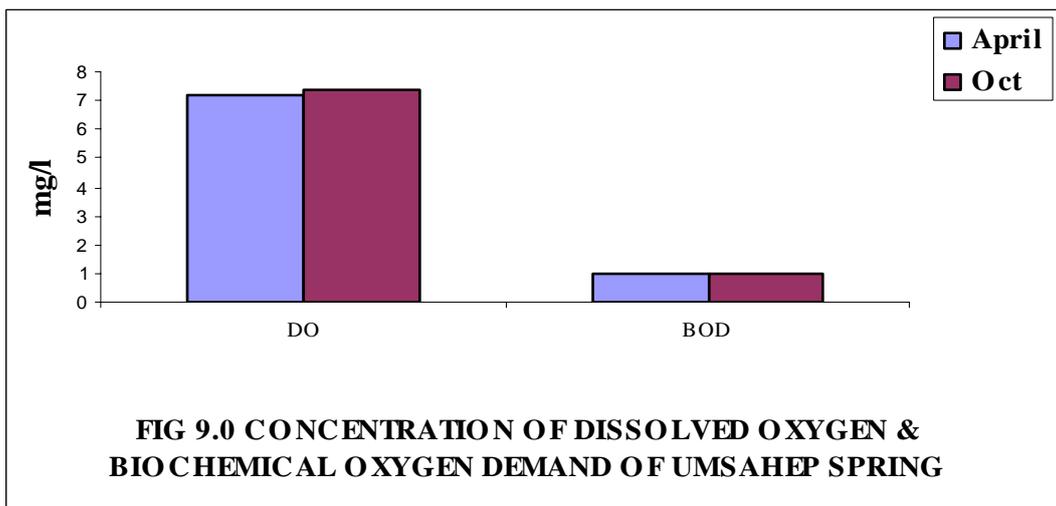
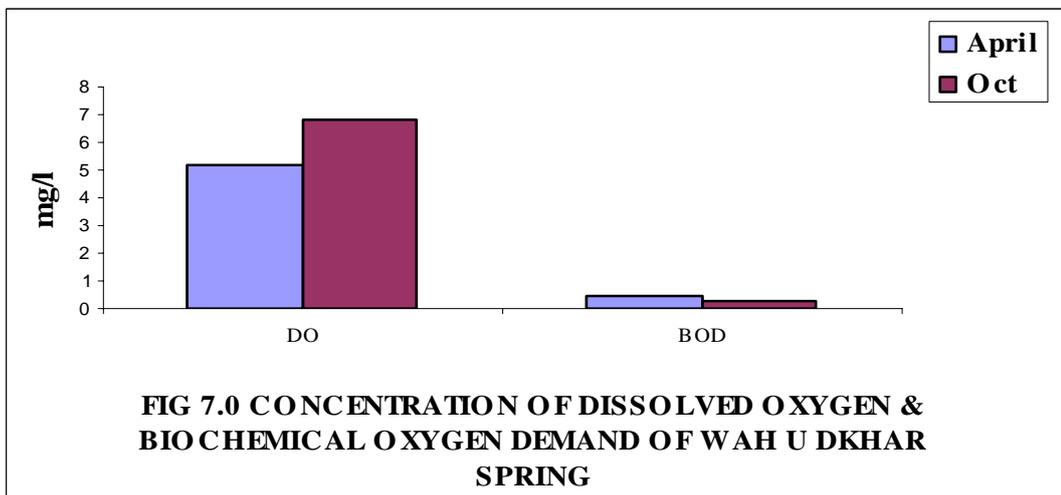
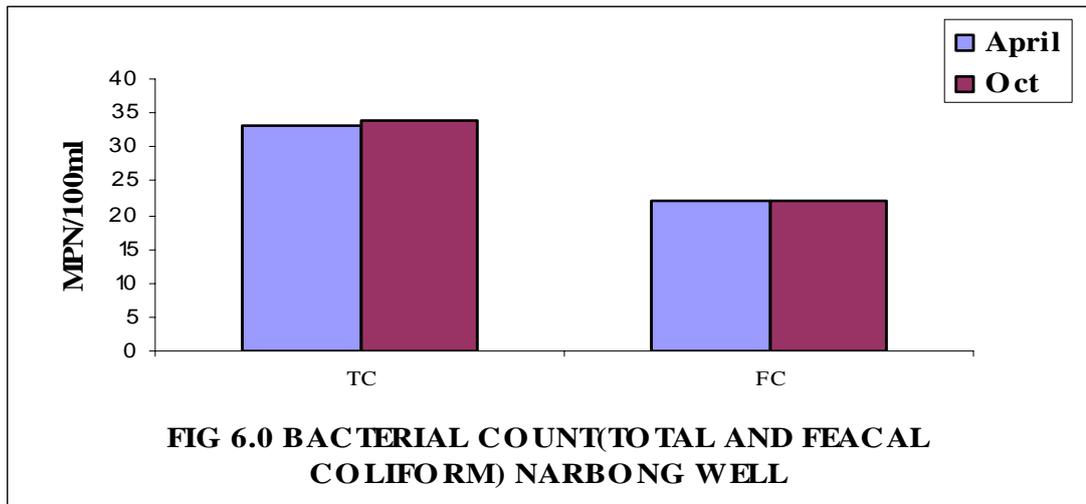


5.2.1.2: Physico-Chemical & Bacteriological parameters of Ground Water Quality.

The monitoring results revealed the presence of Total and Faecal Coliform. Presence of Coliform in all monitored ground waterbody indicating the possibility of ground water contamination. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform of the monitoring station is depicted in figures below.







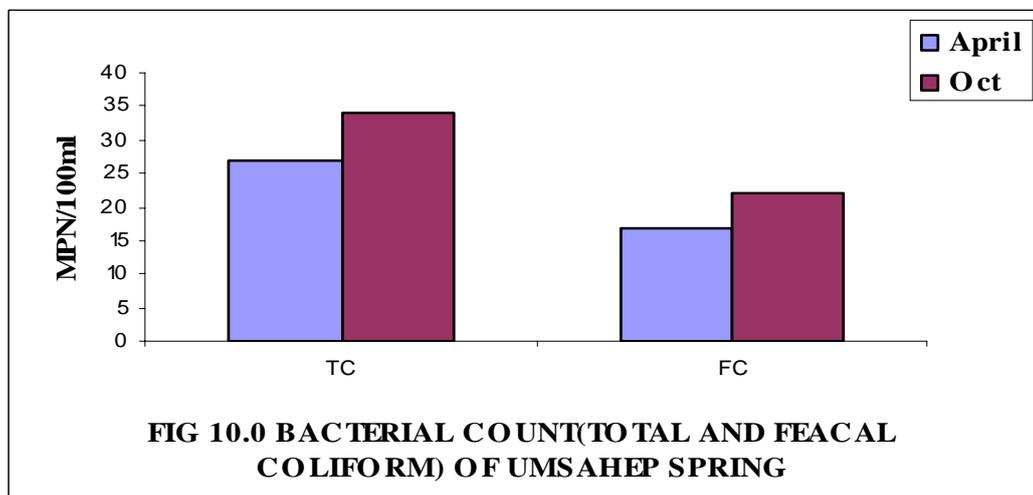


Table 5.5: Primary water quality criteria for various uses of fresh waters

Sl.No.	Characteristics	A*	B*	C*	D*	E*
1.	Dissolved Oxygen (DO),mg/l,Min	6	5	4	4	-
2.	Biochemical Oxygen Demand(BOD),mg/l,Max	2	3	3	-	-
3.	Total Coliform organism** MPN/100ml,Max.	50	500	5,000	-	-
4.	pH value	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.5-8.5
5.	Free ammonia (as N), mg/l,Max	-	-	-	1.2	-
6.	Electrical conductivity ,micromhos/cm,Max.	-	-	-	-	2,250

7/	Sodium adsorption ratio,Max	-	-	-	-	26.0
8.	Boron,mg/l,Max	-	-	-	-	2.0

Source: CPCB.

Use class: (A) drinking water source without conventional treatment but after disinfection, (B) outdoor bathing organized, (C) drinking water source with conventional treatment followed by disinfection, (D) propagation of wildlife, fisheries, (E) irrigation, industrial cooling controlled waste disposal. **If coliforms are found to be more than the prescribed tolerance limits the criteria for coliforms shall be satisfied if not more than 20% of samples show more than the tolerance limits specified, and not more than 5% of samples show value more than 4 times the tolerance limits. There should be no visible discharge of domestic and industrial wastes into Class A waters. In case of Class B and C the discharge shall be so regulated / treated as to ensure maintenance of the stream standards. Source: CPCB Publication ADSORBS /3/1978-79.

5.2.1.3: Biomonitoring of Surface Water Bodies

The Board under NWMP has initiated the Bio-monitoring programme since 2002. The objective of the programme is to obtain information about the state of ecological environment of water bodies, classification of water bodies according to level of ecological sustenance and degradation.

The biological data generated are being analyzed, computing the respective biological indices and are presented in Table below.

Table 5.6: Bio-Monitoring of Surface Water Bodies, 2006

Sl. No.	Surface Water Bodies	Saprobic Score	Diversity Score	Biological Water Quality Class	Biological Water Quality
1.	Umiam Lake	5.5-5.7	0.5-0.6	C	Moderate Pollution
2.	Ward's Lake	5.4-6.0	0.4-0.6	C	Moderate Pollution
3.	Umtrew River	5.3-5.5	0.4-0.5	C	Moderate Pollution
4.	Kyrhukhla River	5.5-5.8	0.53-0.56	C	Heavy Pollution
5.	Thadlaskein Lake	8.0-8.2	0.5	A	Moderate Pollution
6.	Myntdu River	6.7-6.9	0.53-0.62	B	Slight Pollution
7.	Ganol River	6.2-6.4	0.47-0.50	C	Moderate Pollution
8.	Simsang River	6.0-6.2	0.4-0.6	C	Moderate Pollution

5.2(B) Analysis of water samples received from government departments and

private agencies

In addition to the regular programme, the Board is analyzing the water quality of water samples for drinking, construction purposes etc received from government departments and private agencies .A total of 348 samples were tested during the year.

5.4(C) Monitoring of the Quality of Leachates from Solid Waste Dumping Site at Mawiong

The Board is monitoring the quality of **Leachates** from the solid waste dumping ground at Mawiong .The result presented in Table below indicates that the concentrations of Total Dissolved Solids ,Total Suspended Solid,Biochemical Oxygen Demand, Chloride were found to be above the prescribed standards .Also the concentrations of Chemical Oxygen Demand and zinc were found to be high.

Table 5.7: Leachate quality of Shillong Municipal Dumping Ground, Mawiong

Sl No.	Parameters	Standards for Disposal on Land	Results
1.	pH	5.5 – 9.0	7.2
2.	Total Dissolved Solids (mg/l)	2100.0	5500.0
3.	Total Suspended Solids (mg/10	200.0	800.0
4.	Chemical Oxygen Demand (mg/l)	-	1400.0
5.	Biochemical Oxygen Demand (mg/l)	100.0	910.0
6.	Ammonia Nitrogen (mg/l)	-	50.4
7.	Total Kjeldahl Nitrogen (mg/l)	-	80.0
8.	Chloride (mg/l)	600.0	900.0
9.	Chromium (mg/l)	-	0.1
10.	Copper (mg/l)	-	0.3
11.	Lead (mg/l)	-	0.1
12.	Zinc (mg/l)	-	0.5

5.2(D) Status of River Quality of Rongkhon and Rongrey in Tura

The MSPCB has monitored the water quality of Rongkhon & Rongrey, the two important tributary of Ganol Rivers, which flow across the Tura town. The results obtained showed that the water quality has been affected by high concentration of Coliform in all sampling locations indicating that the water bodies is contaminated with untreated sewage and municipal solid and liquid waste.

The water quality data of the rivers is as shown below:

Table 5.8: Physico-Chemical & Bacteriological Water Quality Data

15.	Sodium Absorption Ratio	2.9	2.4	2.0	2.8
Sl.No.	Name of Parameters tested ↓	Sampling Stations			
		Ringrey at Rongre-Gittim (Near Bridge)	Ringrey (Market place)	Rongkhon (Babupara)	Rongkhon (Tura Bazar)
2.	Water temperature (°C)	10.5	10.5	10.5	10.5
3.	Air temperature (°C)	15.5	15.5	15.5	15.5
4.	pH	7.0	6.8	7.1	7.0
5.	Conductivity (µmho)	98.0	118.0	135.0	140.0
6.	Dissolved Oxygen (mg/l)	8.4	7.0	8.0	7.8
7.	Biological Oxygen Demand (mg/l)	0.3	2.0	1.5	1.0
8.	Nitrate (mg/l)	3.0	5.4	3.3	5.6
9.	Nitrite (mg/l)	Nil	Nil	0.005	0.24
10.	Calcium (mg/l)	8.0	14.0	12.0	16.0
11.	Sodium (mg/l)	4.0	4.5	4.0	5.5
12.	Potassium (mg/l)	2.5	2.8	3.0	3.2
13.	Hardness (mg/l)	30.0	26.0	20.0	24.0
14.	Total Coliform (MPN/100ml)	140	920	1600	1600

The concerned departments have been apprised of the situation for taking necessary action for restoration of the water quality.

5.2(E) Investigation Report on Contamination of Lukha River, Sonapur, Jaintia Hills District

The Board had carryout the investigative study and analysis at different locations to ascertain the physico-chemical as well as biological parameters and to identify the causative factors behind the massive fish killed which occurred on 24th February 2007.

- i) Lunar River at Mydihati
- ii) Lukha River near Khaddum Village
- iii) Point of confluence of Lukha River and Lunar River
- iv) Lukha River 100 meters downstream of confluence
- v) Lukha River at Sonapur Bridge
- vi) 20 meters downstream from the point of discharge of CMCL to Umtyrngai
- vii) Ummutha River downstream of Umtyrngai River

As per the findings it was observed that the sudden change in physico-chemical & biological quality in the river water bodies is the main cause for massive fish death. Low pH and high acidity accounted for massive loss of fish in the river. The physico-chemical and bacteriological characteristics of the water quality are presented below.

Table: 5.9 Physico-chemical biological characteristics of water quality of Lukha River and its feeding streams during fish kill period (24th Feb & 27th Feb, 2007)

Sl. No.	Parameters tested ↓	Indian Standard for drinking purpose ↓	Sampling Locations							
			Lunar River - Myndihati	Lukha River near Khaddum village	Lukha River - near Khaddum village	The point of confluence of Lukha River and Lunar River	Lukha River - 100m down stream of confluence	Lukha River - Sonapur bridge	20m down Stream from the point of discharge of CMCL to Umyrngai River	Ummutha River down stream of Umyrngai River
1.	Physical Appearance	-	Yellowish Green	Clear	Clear	Blue	Blue	Blue	Black	Clear
2.	pH	6.5-8.5	3.0	7.5	6.8	4.5	6.3	4.3	7.9	7.8
3.	Iron (mg/l)	0.3	3.6	0.13	0.17	0.46	0.32	0.372	1.35	0.3
4.	Nitrate (mg/l)	45.0	2.0	1.6	1.8	0.2	1.1	1.4	3.7	2.0
5.	Nitrite (mg/l)	-	0.16	NIL	NIL	NIL	NIL	NIL	6.5	NIL
6.	Sulphate (mg/l)	200.0	254.0	13.4	62.0	211.8	188.8	192.1	99.0	101.5
7.	Chloride (mg/l)	250.0	49.0	8.0	8.0	10.0	8.0	15.0	38.0	26.0
8.	Hardness (mg/l)	300.0	238.0	72.0	108.0	144.0	156.0	136.0	218.0	238.0
9.	Calcium (mg/l)	75.0	-	20.0	34.0	44.0	44.0	52.1	56.0	78.0
10.	Sodium (mg/l)	-	8.0	7.0	4.0	3.0	2.0	11.0	26.0	34.0
11.	Potassium (mg/l)	-	2.0	1.0	2.0	3.0	2.0	2.0	38.0	16.0
12.	Acidity (mg/l)	-	120.0	NIL	NIL	25.0	NIL	15.0	NIL	NIL
13.	Alkalinity (mg/l)	200.0	NIL	76.0	74.0	NIL	14.0	NIL	304.0	204.0
14.	Dissolved Oxygen (mg/l)	-	8.4	6.4	8.0	7.6	7.0	8.2	3.4	8.2
15.	BOD	-	4.19	NIL	1.96	0.56	0.28	2.24	3.5	3.5
16.	Total Coliform (mpn/100ml)	-	4	-	-	-	-	350	1600	34

Table 5.10: Elemental characteristics of water quality of Lukha River and its feeding streams during fish kill period (24thFeb& 27th Feb, 2007)

Sl. No.	Parameters tested ↓	Indian Standard for drinking purpose ↓	Sampling Locations							
			Lunar River - Myndihati	Lukha River near Khaddum village	Lukha River -near Khaddum village	The point of confluence of Lukha River and Lunar River	Lukha River - 100m downstream of confluence	Lukha River - Sonapur bridge	20m downstream from the point of discharge of CMCL to Umtyrngai River	Ummutha River downstream of Umtyrngai River
1.	Copper mg/l	0.05	0.11	0.01	0.02	0.03	0.03	0.04	0.04	0.04
2.	Lead mg/l	0.05	0.04	0.06	0.06	0.04	0.03	0.03	0.07	0.03
3.	Zinc mg/l	5.0	4.0	0.1	0.19	1.0	0.86	2.4	0.27	1.84
4.	Arsenic mg/l	0.05	0.05	0.03	0.02	0.02	0.03	0.02	-	0.02
5.	Cadmium mg/l	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	ND*
6.	Chromium mg/l	0.05	0.01	ND*	ND*	ND*	ND*	ND*	ND	ND*
7.	Nickel mg/l	-	0.08	0.07	0.06	0.04	0.07	0.09	0.13	0.07

* ND – Not Detectable

Table 5.11: Elemental characteristics of sediments of Lukha River and its feeding Streams during fish kill period (24thFeb& 27th Feb, 2007)

Sl. No.	Parameters tested ↓	Sampling Locations							
		Lunar River - Myndihati	Lukha River near Khaddum village	Lukha River -near Khaddum village	The point of confluence of Lukha River and Lunar River	Lukha River - 100m downstream of confluence	Lukha River - Sonapur bridge	20m downstream from the point of discharge of CMCL to Umtyrngai River	Ummutha River downstream of Umtyrngai River
1.	Copper mg/kg	0.02	0.21	0.04	0.05	0.05	0.05	0.09	0.02
2.	Lead mg/kg	0.06	0.11	0.08	0.12	0.08	0.03	0.12	0.06
3.	Zinc mg/kg	0.05	2.7	0.21	0.63	0.84	0.59	0.32	0.05
4.	Arsenic mg/kg	0.05	0.09	0.06	0.11	0.07	0.12	0.089	0.15
5.	Cadmium mg/kg	0.02	0.02	0.03	0.01	0.01	0.04	0.01	0.02
6.	Chromium mg/kg	ND*	ND*	ND*	ND*	0.01	0.02	0.03	ND*
7.	Nickel mg/kg	0.08	0.1	0.06	0.05	0.13	0.03	0.3	0.18
8.	Iron mg/kg	23.76	12.8	19.2	10.92	18.42	18.3	13.97	12.09

Table 5.12: Pesticides characteristics of water quality of Lukha River and its Feeding streams during fish kill period (24th Feb & 27th Feb, 2007)

Sl. No.	Parameters tested ↓	Sampling Locations							
		Lunar River - Myndihati	Lukha River near Khaddum village	Lukha River - near Khaddum village	The point of confluence of Lukha River and Lunar River	Lukha River - 100m downstream of confluence	Lukha River - Sonapur bridge	20m downstream from the point of discharge of CMCL to Umtyrnga River	Ummutha River downstream of Umtyrnga River
1.	Total BHC mg/l	NT	NT	NT	NT	NT	NT	NT	NT
2.	Aldrin mg/l	NT	NT	NT	NT	NT	NT	NT	NT
3.	Total Endosulfan mg/l	NT	NT	NT	NT	NT	0.00000021	0.00000059	NT
4.	Dieldrin mg/l	NT	NT	NT	NT	NT	NT	NT	NT
5.	Total DDT mg/l	NT	NT	NT	NT	NT	NT	NT	NT

* NT – Not Traceable, BHC – Benzene Hexachloride, DDT – Dichloro Diphenyl Trichloro Ethane

Table 5.13: Pesticides characteristics of sediments of Lukha River and its feeding Streams during fish kill period (24th Feb & 27th Feb, 2007)

Sl. No.	Parameters tested ↓	Sampling Locations							
		Lunar River - Myndihati	Lukha River near Khaddum village	Lukha River - near Khaddum village	The point of confluence of Lukha River and Lunar River	Lukha River - 100m downstream of confluence	Lukha River - Sonapur bridge	20m downstream from the point of discharge of CMCL to Umtyrnga River	Ummutha River downstream of Umtyrnga River
1.	Total BHC mg/g	NT	-	NT	-	NT	NT	0.00000027	NT
2.	Aldrin mg/g	NT	-	NT	-	NT	NT	NT	NT
3.	Total Endosulfan mg/g	NT	-	NT	-	0.00000027	NT	NT	NT
4.	Dieldrin mg/g	NT	-	NT	-	0.00000028	NT	NT	NT
5.	Total DDT mg/g	NT	-	NT	-	0.00000037	NT	0.00000064	NT

* NT – Not Traceable, BHC – Benzene Hexachloride, DDT – Dichloro Diphenyl Trichloro Ethane

5.3 NOISE LEVEL MONITORING DURING DIWALI FESTIVAL.

Monitoring of noise levels was conducted in Shillong on the 17th October 2006 before Diwali and on Diwali Day i.e. the 21st October 2006 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 5th October, 1999 and the interim directions of the Honorable Supreme Court.

The daytime noise level before Diwali and on Diwali day (Table 5.14)shows that almost all the Residential Area, Commercial Area and Sensitive Zone monitored are found to be higher than the prescribed standards. The nighttime noise level recorded before Diwali day (Table15)also shows that the ambient noise levels have exceeded the prescribed standard in almost all the residential areas, commercial areas and silence zones.

On Diwali day (Table 5.15) the ambient night noise in all locations observed to be slightly higher than that recorded before Diwali.The ambient noise level before and during Diwali 2006 at some of the monitored locations are lower as compared to the values recorded during Diwali 2005.

The monitoring programme conducted shows that the noise levels are above the prescribed limits in almost all the locations indicating that Diwali celebrations has attributed further to the increased noise levels all over the city.

Table .5.14 : Day Time Noise Readings

SL. NO.	PLACE	CATEGORY	AMBIENT NOISE STANDARDS [dB (A) Leq]	NOISE MONITORED	
				BEFORE DIWALI	ON DIWALI DAY
				17 th October, 2006	21 st October, 2006
				READING [dB (A) Leq]	READING [dB (A) Leq]
1.	Lumpynggad	Residential	55	64.7	62.9
2.	Tirot Singh Nagar	Residential	55	60.1	61.2
3.	Golfinks	Residential	55	69.2	80.0
4.	Rilbong	Residential	55	54.1	76.1
5.	Jaiaw Main Road	Residential	55	62.2	70.1
6.	Mawlai	Residential	55	64.2	58.5



7.	Mawprem	Residential	55	54.1	67.8
8.	Lachumiere	Residential	55	57.1	70.2
9.	Rynjah Bazaar	Commercial	65	70.8	69.9
10.	Nongmynsong Bazaar	Commercial	65	80.4	69.8
11.	Polo Bazaar	Commercial	65	71.9	80.0
12.	Iew Dak (Laban)	Commercial	65	65.0	85.5
13.	Keating Road	Commercial	65	74.9	83.7
14.	Paltan Bazaar	Commercial	65	77.7	81.5
15.	Jhalupara	Commercial	65	69.0	78.7
16.	Laitumkhrah Police Point	Commercial	65	79.2	66.4
17.	Jail Road Bazaar	Commercial	65	66.4	81.5
18.	Police Bazaar (Police Point)	Commercial	65	72.4	91.4
19.	Ganesh Das Hospital	Silence Zone	50	52.6	58.5
20.	Civil Hospital	Silence Zone	50	61.2	74.5
21.	Don Bosco Square	Silence Zone	50	73.6	68.5
22.	K.J.P. Hospital	Silence Zone	50	64.6	71.5
23.	Nazareth Hospital	Silence Zone	50	60.1	66.6
24.	Rilang Building	Silence Zone	50	64.4	86.9

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

Table 5.15.: Night Time Noise Readings

SL. NO.	PLACE	CATEGORY	AMBIENT NOISE STANDARDS [dB (A) Leq]	NOISE MONITORED	
				BEFORE DIWALI	ON DIWALI DAY
				17 th October, 2006	21 st October, 2006
				READING [dB (A) Leq]	READING [dB (A) Leq]
1.	Lumpyngngad	Residential	55	48.9	50.1
2.	Tirot Singh Nagar	Residential	55	47.6	62.2
3.	Golflinks	Residential	55	45.2	66.8
4.	Rilbong	Residential	55	49.1	48.0
5.	Jaiaw Main Road	Residential	55	48.8	51.7
6.	Mawlai	Residential	55	49.4	52.2
7.	Mawprem	Residential	55	47.9	69.7
8.	Lachumiere	Residential	55	49.4	82.0
9.	Rynjah Bazaar	Commercial	65	50.8	44.5
10.	Nongmynsong Bazaar	Commercial	65	49.7	51.3
11.	Polo Bazaar	Commercial	65	49.6	70.3
12.	Iew Dak (Laban)	Commercial	65	49.1	50.5
13.	Keating Road	Commercial	65	60.0	52.2
14.	Paltan Bazaar	Commercial	65	57.8	89.9
15.	Jhalupara	Commercial	65	60.0	76.7
16.	Laitumkhrah Police Point	Commercial	65	51.7	74.9



17.	Jail Road Bazaar	Commercial	65	54.5	73.5
18.	Police Bazaar (Police Point)	Commercial	65	51.3	75.3
19.	Ganesh Das Hospital	Silence Zone	50	48.1	68.1
20.	Civil Hospital	Silence Zone	50	57.1	75.9
21.	Don Bosco Square	Silence Zone	50	51.8	59.4
22.	K.J.P. Hospital	Silence Zone	50	50.0	51.4
23.	Nazareth Hospital	Silence Zone	50	48.9	82.7
24.	Rilang Building	Silence Zone	50	57.1	64.1

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

5.4 Ambient Air Quality Before and During Diwali Festival.

Ambient Air Quality monitoring was carried out before and during Diwali Festival at Board's Premises (Table 5.15) and MUDA Complex, Police Bazar, Shillong (Table 5.16) using Respirable Dust Sampler. The recorded values shows that the Suspended Particulate Matter and Respirable Suspended Particulate Matter concentrations were found to be above the permissible limits of Ambient Air Quality Standards (National) at MUDA Complex, as per EPA Notification: GSA 176 (E), April 2002, 1996, (Table 5.16). The concentrations of SO₂ and NO_x recorded at both the stations were found to be within the permissible limits of Ambient Air Quality Standards (National). In comparison, SPM, RSPM levels during 2006 at both the stations were found to be higher than that recorded during 2005. Further, the level of SPM in the ambient air at MUDA Complex, Police Bazar increases alarmingly during Diwali festival.

Table 5.16: Ambient Air Quality data monitoring before and during Diwali festival on October 2006, at Board's Premises

PARAMETERS TESTED (AVERAGE)	BEFORE DIWALI	DURING DIWALI
SPM ($\mu\text{g}/\text{m}^3$)	79.4	88.4
RSPM ($\mu\text{g}/\text{m}^3$)	63.1	66.5
SO ₂ ($\mu\text{g}/\text{m}^3$)	2.0	2.0
NO _x ($\mu\text{g}/\text{m}^3$)	4.5	11.3

Table 5.17: Ambient Air Quality data monitoring before and during Diwali festival on October 2006 at MUDA complex, Police Bazar

PARAMETERS TESTED (AVERAGE)	BEFORE DIWALI	DURING DIWALI
SPM ($\mu\text{g}/\text{m}^3$)	195.6	437.4
RSPM ($\mu\text{g}/\text{m}^3$)	152.1	364.5
SO ₂ ($\mu\text{g}/\text{m}^3$)	2.0	3.5
NO _x ($\mu\text{g}/\text{m}^3$)	23.9	31.6

Chapter
6

**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 2001 census is 23,06,069. 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 3,800 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 2006-2007, the Board received **139 (One Hundred Thirty nine)** 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, **92 (Ninety two)** were granted Consent to Establish.

The names of industries/firms which applied for Consent to Establish During the year 2006-2007 are as given at **Annexure-6**. Those industries that were granted Consent to Establish during the period are as indicated at **Annexure-6(A)**. The industries which were granted Consent to Operate are as mentioned at **Annexure-7**. Further the industries, which were granted Renewal of the Consent to Establish and Consent to Operate are shown in **Annexure-6(B)** and **Annexure-7(A)** respectively.



Chapter
7

ENVIRONMENTAL RESEARCH

7.1 Studies and Evaluation of Environmental and Socio-Impact of Coal Mining Impact in Jaintia Hills.

During the year 2006-2007, the Board continued with the following study projects: -

The Board initiated the Programme during 2000-2001. Under the study, two years data were generated to get the seasonal variations and trends. The preliminary report of the work done has been submitted to CPCB. The study work is continuing during the current year.

7.2 Spatial Environmental Planning Programme

The Central Pollution Control Board, Delhi has identified the Following Activities to be undertaken by the Board under the Spatial Environmental Planning Programme for the financial year 2006-2007

1. Preparation of State Environmental Atlas for Meghalaya
2. Preparation of State Level Industrial Siting Guidelines for Meghalaya
3. Preparation of District Environmental Atlases for the Districts of Ri-bhoi, East Khasi Hills and Jaintia Hills districts which was not completed in 2004-05 and 2005-06.
4. Revision of Zoning Atlas for Siting of Industries for the Districts of Ri-Bhoi, East Khasi Hills and Jaintia Hills which was not completed in 2004-05 and 2005-06



5. Preparation of District specific Industrial Siting Guidelines for the Districts of Ri-Bhoi, East Khasi Hills and Jaintia Hills.

However, the works sanctioned to Meghalaya State Pollution Control Board during the year 2006-2007 include include preration of the Environmental Atlas of Meghalaya, District Environmental Atlases for Siting of Industries and Industrial siting guidelines for the following districts:-

- a) East Khasi Hills
- b) Jaintia Hills
- c) East Garo Hills
- d) West Garo Hills
- e) South Garo Hills
- f) Ri-Bhoi



Chapter
8

ENVIRONMENTAL TRAINING

The personnel of the Board attended several training programmes, workshops & seminars conducted by reputed institutions/organizations or agencies within the state as well as within the country. The officers of the Board are also invited as resource person for delivering lectures/presentation on pollution control and other related environmental topics by reputed organizations. The list of the Officials attended the training programmes during the year 2006-2007 is listed in **Annexure-5**.

Chapter
9

ENVIRONMENTAL AWARENESS AND PUBLIC PARTICIPATION

The Board was represented in a Mass Awareness Programme organized by the Central Water Commission in co-ordination with the Central Ground Water Board in December 2003. The programme was organized to observe the Freshwater Year, 2003.

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.

Chapter
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”.

Chapter
11.1

**PROSECUTION LAUNCHED AND
CONVICTIONS SECURED FOR
ENVIRONMENTAL POLLUTION
CONTROL.**

During the financial year 2006-2007 the Board did not prosecute or issue any Show Cause Notices to any industrial units in the state (**ANNEXURE-8**).



Chapter
11.2

**DIRECTION GIVEN FOR CLOSURE
OF POLLUTING INDUSTRIAL
UNITS.**

During the financial year 2006-2007, only 2 (Two) Closure Notices were issued to defaulting industrial units. List of these Units is appended at **Annexure – 9.**

Chapter
12

OTHER ACTIVITIES OF THE BOARD

12.1 Functions and Activities of the Board under Rules notified under the E (P) Act,

1986 are as follows:-

12.1.1 Hazardous Waste (Management & Handling) Rules, 1989

- Issue of authorization for handling of hazardous waste to occupier and operators in the State.
- Preparation of inventory of hazardous waste generation in the State.
- Assisting the State Govt. in inventory of disposal sites and monitoring of Environmental quality around the site.
- Monitoring of facilities/infrastructure/technical capabilities in hazardous wastes handling units.

Application For Authorisation:-The Board received applications for Authorisation under the Rules from the following units

1. M/S Lafarge Umiam Mining Pvt. Ltd.
2. M/S Meghalaya Sova Ispat Alloys Ltd.
3. M/S Meghalaya Carbide & Chemicals Pvt. Ltd.
4. M/S R.N.B. Carbides & Ferroalloys (P) Ltd.
5. M/S Timpack Pvt. Ltd.
6. M/S Nalari Ferro Alloys Pvt. Ltd.
7. M/S Abhi Coke Pvt. Ltd.
8. M/S Meghalaya Alloys (P) Ltd.
9. M/S R.K.B. Cements (P) Ltd.
10. M/S Commercial Iron & Steel Co. Pvt. Ltd.



11. M/S Nezone Industries Ltd.
12. M/S Meghalaya Cements Ltd.
13. M/S Maithan Smelters Ltd.
14. M/S Mawmluh-Cherra Cements Ltd.
15. M/S Jaintia Cements Ltd.
16. M/S Shyam Century Ferrous Ltd.
17. M/S Meghalaya Cast & Alloys Pvt. Ltd.
18. M/S Surya Alloy Industries Pvt. Ltd.

Authorisation Granted Under The Rules :-Authorisations under the Rules were granted to the following units while the other applications are still under process as the units had not provided full details along with their applications.

1. M/S Timpack Pvt. Ltd.
2. M/S Nezone Industries Ltd.
3. M/S Maithan Smelters Ltd.

Authorisation For Collection Of Used Oil:-The Board also received the following applications for Authorisation to collect and transport waste/used oil from automobile workshops, etc. in the state and transporting it to the registered recyclers.

1. Shri K.S.Lyngdoh, Bynther Village, West Khasi Hills District
2. M/S Monica Sohtun, Lawsotun, Shillong
3. Shri R. Thabah, Nongthymmai, Shillong.

All three were granted Authorisation as duly appointed agent of registered recyclers.

Authorisation Renewal :-The Authorisation granted to M/S Matiz Metals (P) Ltd. E.P.I.P., Byrnihat was renewed for a further period of one year.

12.1.2 Bio-Medical Waste (Management & Handling) Rules, 1998.

The Board, as the prescribed authority for implementation of the Rules has to perform the following functions & activities:-

- Inventorisation of sources generating bio-medical waste.
- Issuance of authorization to institutions generating bio-medical waste.

-
- Monitoring of compliance to the prescribed norms and standards for handling and management of bio-medical waste by the concerned institutions.
 - Advice the Government for setting up of common facility for treatment and disposal of bio-medical waste.
 - Enforcement of the provisions of the Rules in the State.
 - Submission of Annual Status Report on management of bio-medical waste in the State.

As the prescribed authority, the Board has undertaken the following activities in implementing the provision of the Rules:-

- As on 31-3-2007, the Board has identified 129 Health Care Facilities (HCF) generating bio-medical wastes which include Hospitals, Nursing Homes, Pathological Clinics, CHCs, PHCs, Dispensaries, and Veterinary Hospitals, etc. Of these, 129 HCFs has applied for authorization and 23 authorizations have been issued. The authorizations to 105 HCFs run by State Government have been withheld due to non-payment of the prescribed authorization fees.
- Annual Status Report for the year 2006-07 prepared on the basis of the Annual Reports submitted by the HCFs on handling and management of bio-medical wastes in the State has been submitted to the CPCB as required under the Rules.
- Authorisation was granted to the Shillong Municipal Board for operating a Common Bio-medical Waste Incinerator at Riat Khwan, Mawlai Mawiong.

12.1.3 *Municipal Solid Wastes (Management & Handling) Rules, 2000*

The functions of the Board under the Rules include:-

- Issuance of Authorization to the municipal authorities or the operator of a facility for setting up of waste processing and disposal facility and landfills.
- Monitoring the performance of waste processing and disposal facility including compliance with the standards in terms of ground water, ambient air, leachate quality, compost quality, etc.

-
- Submission of Annual Status Report on management of MSW in the State to the Central Pollution Control Board.

Annual Reports on Municipal Solid Wastes management for the year 2005-06 received from Municipal Authorities were compiled and the consolidated Annual Status Report was submitted to CPCB as required under the Rules.

12.1.4 Batteries (Management & Handling) Rules, 2001.

Under the Rules, the functions of the Board includes:-

- Preparation of inventory of Batteries Manufacturer, Importer, Re-conditioner, Assembler, Dealer, Re-cycler, Re-smelter & Auctioneer.
- Receipt of half-yearly returns of sales/buy back from manufacturer, importer, assembler and re-conditioner.
- Receipt of annual returns of recycling from the recyclers.
- Receipt of half-yearly returns from bulk consumers & auctioneer.
- Preparation and submission of annual compliance status report to CPCB.

As part of implementation of the provisions of the Rules, the Board submitted the Annual Report in the prescribed format to the Central Pollution Control Board, Delhi after compiling information received from half-yearly returns submitted by the bulk consumers and dealers.

The Board has issued wide publicity in the State through Newspapers on the provisions of the Rules **during 2006-2007** for awareness of the concerned. As per information collected by the Board, there is no assembler, recycler, manufacturer or importer of lead acid batteries in the State. The Board has also identified about 90 organizations/establishments as bulk consumers which may also be considered as auctioneers like Govt. Depts., Military/Para Military establishments, State Transport Corporations, Industries & Companies functioning in the State.

12.1.5 Recycled Plastics Manufacture and Usage Rules, 1999.



Under the Rules, the Board is a prescribed authority for implementation of the Rules relating to manufacture and recycling of Plastics.

The activities of the Board includes:-

- Inventorisation of industrial units manufacturing carry bags and containers made of plastics.
- Grant of registration for manufacturing carry bags or containers made of virgin or recycled plastics.
- Monitoring the industrial units for compliance to the provision of the Rules.

The Board gave wide publicity to the Central Pollution Control Board's Report "A Way Forward for Plastics Waste Management – An Implementation Strategy".

12.2 Functions and Activities under Water (Prevention & Control of Pollution) Cess Act, 1977.

The function of the Board under the Act and Rules made there under is to assess and collect a cess from Local authorities/bodies and Industries consuming water for domestic and industrial purposes.

Water Cess Assessment & Collection

During the year 2006-2007 the amount of Cess assessment is Rs 4,17,864/- (Rupees Four lakh seventeen thousand eight hundred sixty four) only and Cess collection is Rs.57,497/- (Rupees Fifty Seven thousand four hundred ninety seven) Only. The Cess collection is less to assessment in view of the fact that the local authorities' viz. SMB & GHADC has not made any payment to the cess bills submitted to them.

The cess collected is remitted to the consolidated fund of India through Ministry of Environment & Forests, Government of India.

Chapter
13

FINANCE AND ACCOUNTS.

The receipts and expenditures of the Board for the financial year **2006-2007** are appended as **Annexure-10** .



ANNEXURE - 1

LIST OF BOARD MEMBERS FOR THE PERIOD 2006-2007

1. Chairman, Meghalaya State Pollution Control Board, Shillong : Chairman
2. Member Secretary, Meghalaya State Pollution Control Board, Shillong : Member Convener

OFFICIAL MEMBERS

3. Chief Engineer, Public Health Engineering, Meghalaya, Shillong or his nominee : Member
4. The Director of Industries, Meghalaya, Shillong or his nominee : Member
5. The Director of Health Services (Research, etc), Meghalaya, Shillong or his nominee : Member
6. The Director, Urban Affairs, Meghalaya, Shillong or his nominee : Member
7. Chief Conservator of Forests (Social Forestry & Environment) Meghalaya, Shillong or his nominee : Member

MEMBERS FROM LOCAL AUTHORITIES

8. The Chief Executive Member, Khasi Hills Autonomous District Council or his nominee : Member
9. The Chief Executive Member, Jaintia Hills Autonomous District Council or his nominee : Member
10. The Chief Executive Member, Garo Hills Autonomous District Council or his nominee : Member
11. The Chairman, Shillong Municipal Board or his nominee : Member
12. The Chairman, Tura Municipal Board or his nominee : Member

REPRESENTATIVES FROM CORPORATIONS

13. The Managing Director, Meghalaya Industrial Development Corporation or his nominee : Member
14. The Managing Director, Mineral Development Corporation, Meghalaya or his nominee : Member

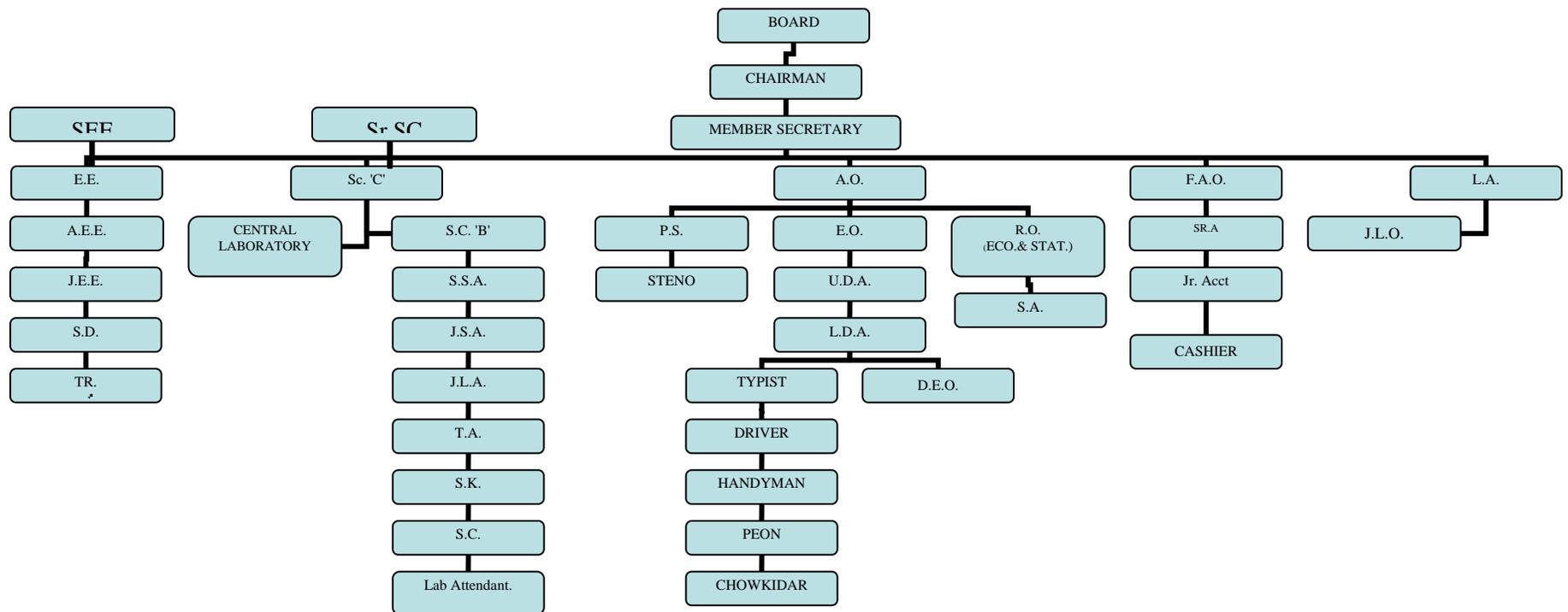
NON-OFFICIAL MEMBERS

15. Shri. S.G.Lyngdoh, Mawlai Nonglum, Shillong : Member
16. Shri. N.D.Shullai, Jaiaw Pdeng, Shillong : Member
17. Shri. D.S.Laloo, Moodiap, Nartiang, Jowai : Member



ANNEXURE - 2

ORGANISATION CHART OF MEGHALAYA STATE POLLUTION CONTROL BOARD, SHILLONG



**ANNEXURE - 3****STAFF POSITION OF THE MEGHALAYA STATE POLLUTION CONTROL BOARD
AS ON 31ST MARCH 2007**

SL. NO.	NAME OF POST	SANCTIONED STRENGTH	WORKING STRENGTH	VACANCY
ADMINISTRATIVE & ACCOUNTS STAFF				
1.	Administrative Officer	1	-	1
2.	Private Secretary to Chairman	1	-	1
3.	Research Officer (Eco. & Stat.)	1	-	1
4.	Legal Officer	1	-	1
5.	Junior Law Officer	1	-	1
6.	Finance & Accounts Officer	1	-	1
7.	Senior Accountant	1	1	-
8.	Junior Accountant	2	2	-
9.	Establishment Officer	1	1	-
10.	Stenographer Grade II	1	1	-
11.	Statistical Assistant	1	1	-
12.	U.D.A.	4	3	1
13.	L.D.A.	7	2	5
14.	L.D.A cum Typist	5	1	4
15.	Data Entry Operator			
16.	Typist	4	1	3
17.	Library Assistant	1	-	1
18.	Driver	6	5	1
19.	Handyman	1	-	1
20.	Peon / Mali / Plumber	15	8	7
21.	Chowkidar	3	2	1
TECHNICAL STAFF				
1.	Sr. Environmental Engineer	1	1	-
2.	Environmental Engineer	2	2	-
3.	Asstt. Environmental Engg.	5	2	3
4.	Junior Environmental Engineer	1	1	-
5.	Senior Draftsman	1	-	1
6.	Tracer	2	-	2
7.	Data Entry Operator	1	1	-
SCIENTIFIC STAFF				
1.	Sr. Scientist	1	1	-
2.	Scientist "C"	2	1	1
3.	Scientist "B"	3	1	2
4.	Senior Scientific Assistant	3	-	3
5.	Junior Scientific Asstt.	7	5	2
6.	Technical Assistant	2	1	1
7.	Junior Laboratory Asstt.	4	2	2
8.	Storekeeper	1	1	-
9.	Sample Collector	5	4	1
10.	Field Attendant/Laboratory Attendant	3	2	1
TOTAL		102	53	49



ANNEXURE - 4

PUBLICATION OF THE BOARD

Name of Publication
NIL

ANNEXURE - 5

TRAININGS BETWEEN 1st APRIL 2006 UPTO 31st MARCH 2007

SL. NO.	NAME & DESIGNATION	NAME OF TRAINING	PLACE OF TRAINING	PERIOD OF TRAINING
1.	1)Shri W.R. Kharkrang,EE 2) Dr. B. Nongbri,Sc-C	One Day Workshop on Training Need Assessment (TNA)	Shillong	21 st April 2006
2.	1) Dr.(Ms) B. Nongbri, Sc-C 2)Shri J.H. Nengnong,SEE 3) Miss B. Majaw,EE (As Resource persons)	Solid Waste Management Organised By Shillong Municipal Board.	Shillong	19 th -21 st June 2006
3.	Shri D. Hooroo,Member Secretary	National Workshop on E-Waste Legislation.	Bangalore	3 rd -4 th May 2006
4.	1. Shri D. Hooroo, Member Secretary. 2.Shri W.R. Kharkrang,EE	National Seminar on "Emission and Reduction from Small Scale Industries in Kolkata-Sharing the Experience of the West Bengal Pollution Control Board of solving the problem through a participatory project"	Kolkata	19 th -20 th December 2006
5.	Shri D. Hooroo,Member Secretary	Treatment and Disposal of Municipal Solid Waste	NEERI, Nagpur	18 th -19 th September 2006
6.	Shri B.B. War, AEE	Short Term Course on Authorization Procedures, Technologies for Treatment, Recycling and Reprocessing of Hazardous Waste.	IIT, Roorkee	20 th -24 th November 2006

ANNEXURE - 6

**LIST OF INDUSTRIES WHICH APPLIED FOR CONSENT TO ESTABLISH
DURING 2006-2007**

Sl. No.	NAME OF INDUSTRY
1.	Tharley Rynghlem Soap Factory
2.	Slalung Tea Enterprise
3.	B.W.Wahlang
4.	Theodora Syiemlieh Feed Mill
5.	Bibalin Brick Industry
6.	Dalmia Cement (Bharat) Ltd.
7.	Malang Coal Mining.
8.	P.S.Coal Mining
9.	Bharti Hexacom - Umtrew
10.	Bharti Hexacom - Mawiong Rim
11.	Bharti Hexacom - Diengchynrum
12.	Bharti Hexacom - Umlun Area
13.	Bharti Hexacom - Bihiritilla
14.	Bharti Hexacom - Kyndonsoo
15.	Bharti Hexacom - Nongrim Byrnihat
16.	Bharti Hexacom - Lumpdeng Kseh
17.	Bharti Hexacom - Umpher
18.	Bharti Hexacom - Lad Nartiang
19.	Bharti Hexacom - Loompyrdi
20.	AUMZ Industries
21.	Pynhun Rympei
22.	Sungoh Coal Mining
23.	S.S.Coal Mining
24.	P.S.Coal Mining
25.	Ruveena Lyngdoh Kynshi Cattle & Poultry Feed
26.	Indomech Industries
27.	Megha Technical & Engineering Pvt. Ltd
28.	Tlep Khla Stone Crusher
29.	TOPCEM (India) Ltd
30.	Sangma Chemicals



31. Scorpio Feed Industries
32. Maithan Smelters Ltd.
33. Shillong Municipal Board
34. Khyllep Lime Industry
35. J.Pala Coal Mining
36. Nala Rympei Lime Kiln
37. K.L.Industries - Feed Mill Unit
38. North East Tubular Poles (P) Ltd.
39. Popular Automobiles
40. The Shillong Club
41. J.U.D.Cements Pvt. Ltd. - Wahiajer
42. F.W.Ferrotech Pvt. Ltd. - Iron & Steel
43. Marak Bricks Industry
44. Swastic Stone Industry
45. T.T.Kharkongor Stone Crusher
46. M.Paswett Stone Crusher
47. Marak Stone Crusher
48. Ri-Bhoi Aggregate
49. Khushi Metal Products
50. Phrangsngi Bakery
51. Eastern Silicon (P) Ltd.
52. Meghalaya Minerals & Mines Ltd.- Limestone
53. J.K.Stone Crushing Industry
54. Patni Ferro Tech (P) Ltd.
55. Patni Ferro Tech (P) Ltd.
56. Dishnet Wireless Ltd. - Umtyra
57. Dishnet Wireless Ltd. - Diensynrum
58. Dishnet Wireless Ltd. - Mookhap, Wapung
59. Dishnet Wireless Ltd. - 8th Mile, Pasyih
60. Dishnet Wireless Ltd. - Khliehtyrshi
61. Dishnet Wireless Ltd. - Mawmeng, Mawryngkneng
62. Dishnet Wireless Ltd. - Mukhla
63. Dishnet Wireless Ltd. - Mookyndur
64. Dishnet Wireless Ltd. - Pommura
65. Dishnet Wireless Ltd. - Mawlyndep, Sohryngkham
66. Dishnet Wireless Ltd. - Umbir
67. Dishnet Wireless Ltd. - Lumsohpetbneng
68. Dishnet Wireless Ltd. - Umdihar
69. Dishnet Wireless Ltd. - Mawroh, Nongpoh (2700 Sq.Ft.)
70. Dishnet Wireless Ltd. - Mawroh Nongpoh (1700 Sq.Ft.)



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- Z
71. Dishnet Wireless Ltd. - Yangbarilum
 72. Dishnet Wireless Ltd. - Shangbangla
 73. Dishnet Wireless Ltd - Jorabat,Ri-bhoi
 74. National Highway Authority of India
 75. Ashutosh Inn
 76. Sajid K.Mukhim
 77. Paramount Complex/Resort
 78. Pynbiang Lime Enterprise
 79. CSCL Gases
 80. Adhunik Cement Ltd.
 81. Godrej Sara Lee
 82. A.A.Nutritions
 83. Kharkongor Enterprise
 84. Grace Poly Clinic
 85. Riangkang Service Co-Operative Society Ltd.
 86. Garo Hills Fish Preservation & Storage
 87. T.S. Blah Stone Crusher
 88. Bob Garland Mynsong Stone Crusher
 89. W.K. Stone Crusher.
 90. Donbok Myllem Umlong Auto Servicing Centre
 91. Spyna Kharjana Auto Servicing Centre
 92. Pradip Khriem
 93. Jaintia Cements Ltd. (Manbha Passah) - Expansion to 150 TPD
 94. Tiasibon Doloi Brick Factory
 95. Saharia Stone Crusher
 96. Reliance Telecom Ltd. - Ri-Bhoi District (01 Sites)
 97. Reliance Telecom Ltd. - West Khasi Hills (07 Sites)
 98. Reliance Telecom Ltd. - West Garo Hills District (07 Sites):
 99. Reliance Telecom Ltd. - East Garo Hills District (04 Sites)-
 - 100 Reliance Telecom Ltd. - South Garo Hills District (04 Sites)
 - 101 Reliance Telecom Ltd. - Jaintia Hills District (11 Sites)-,
 - 102 Reliance Telecom Ltd. - East Khasi Hills District
 - 103 Reliance Telecom Ltd. - East Khasi Hills District
 - 104 Reliance Telecom Ltd. - East Khasi Hills District
 - 105 Megha Manufacturing Co. Ltd.
 - 106 Teilang Automobile Servicing
 - 107 Seven Sisters Plastics (P) Ltd.
 - 108 J.S.Nongkynrih Stone Crusher
 - 109 Sheckerson Crusher Mill
 - 110 P.C.H Sarkar Stone Crusher-Deep Industry



- 111 Greenland Lakmi Crusher
- 112 Ibadahun Iron & Steel Works-cum-Automobile Workshop
- 113 Highland Automobile Body Builder
- 114 S.K.Dewsaw Wood Products
- 115 Megha Cashew Pvt. Ltd.
- 116 Renaissance Bottling
- 117 Sharawn Tea
- 118 Kamakshi Ispat Pvt. Ltd.
- 119 Donbok Myria Stone Crusher
- 120 Nengnong Automobile,prop:Clifford Nengnong
- 121 MeSEB, Umiam, Ganol Hydro Electric Power
- 122 Lyngdoh Engineer & Builder Co. Pvt. Ltd.
- 123 William Rnga Lime Kiln
- 124 Hope's Diagnostic Centre
- 125 Zions Machines Ltd.
- 126 Mawbuh Stone Crusher
- 127 A.Raplang Stone Crusher
- 128 Hanny Fibre Pvt. Ltd.
- 129 RNB Cements (P) Ltd.
- 130 Jaintia Cements Ltd - MINING
- 131 Timber Craft & Veneer Products (India) Pvt. Ltd.
- 132 JUD Cements (P) Ltd-Limestone Mining & Crushing
- 133 JUD Cements (P) Ltd
- 134 Meghalaya Polymers
- 135 C.S. Lime Kiln
- 136 Bharti Hexacom
- 137 Bharti Hexacom
- 138 Bharti Hexacom
- 139 Bharti Hexacom

ANNEXURE - 6(A)

LIST OF UNITS WHERE CONSENT TO ESTABLISH ISSUED DURING 2006-2007

Sl. No.	Name of Industry	Date of Consent To Establish Issued	Type of Industry	Location of Industry
1.	Roy & Sharma Workshop	12.02.2007	Automobile Workshop	Keating Road,Shillong,East Khasi Hills
2.	Vikash Saw-cum-Veneer Mill	29.06.2006	Sawmill	Umiam Industrial Area,Ribhoi District
3.	Satyam Alloys	02.06.2006	Ferro Alloy	Tamulkuchi,Byrnihat,Ribhoi District
4.	Odmos Patho stone crusher	11.10.2006	Stone Crushing Unit	Gonpaty,Jirang,Ribhoi District
5.	A.T.C Cera Chem Pvt. Ltd.	27.06.2006	Liquid power mixture Unit	15th Mile,Byrnihat,Ribhoi District
6.	Meghalaya Coke & Chemicals (P) Ltd.	02.06.2006	Low Ash Metallurgical Coke	Khliehriat,Jaintia Hills
7.	Speed Tech	02.06.2006	Automobile Servicing Unit	Thembasuk,Madanrting,East Khasi Hills
8.	Grace Industries	02.06.2006	Wire Nail&Black Wire Drawing	Baridua,Khanapara,Ribhoi District
9.	Marak Stone Crusher	27.06.2006	Stone Crushing Unit	Matchokgre,Ribhoi District
10.	MCCL - Plant Expansion	17.02.06	Cement Plant	Sohra,East Khasi Hills
11.	Lucky Stone Industry	12.10.2006	Stone Crushing Unit	Pillangkata,Ribhoi District
12.	Benu G. Momin Crusher	10.04.2006	Stone crushing unit	Wakok,East Garo Hills
13.	Dishnet Wireless Ltd	18.05.2006	DG Set	Mawlai Umthlong,East Khasi Hills
14.	Dishnet Wireless Ltd.	18.05.2006	DG Set	Laitkor,East Khasi Hills
15.	Dishnet Wireless Ltd.	28.08.2006	DG Set	Lad Sutnga,Jaintia Hills District
16.	Dishnet Wireless Ltd.	08.06.2006	DG Set	Khliehriat,Jaitia Hills District
17.	Dishnet Wireless Ltd.	18.05.2006	DG Set	Umlyngka,East Khasi Hills
18.	Dishnet Wireless Ltd.	18.05.2006	DG Set	5th Mile,Upp.Shilong,East Khasi Hills
19.	S.K.Associates	13.04.2006	Stone Crushing Unit	Barapathar,Ribhoi District
20.	Umadutt Industries Ltd.	02.06.2006	HDPE Woven Bags	Amjok Village,Ribhoi District
21.	Aye Polymers Pvt. Ltd.	16.04.2006	PVC Wire&cables making	Khanapara,Ribhoi District
22.	Bharti Hexacom Ltd	20.07.2006	DG SET	Kharmalki,East Khasi Hills



23.	Paramount Stone Crusher	06.12.2006	Stone Crushing Unit	Goelgre, Dorombok, West Garo Hills
24.	T.Lakhmi Stone Crusher	11.10.2006	Stone Crushing Unit	Mawkhap, Jirang, Ribhoi District
25.	Rose Warjri Bakery	08.06.2006	Bakery unit	
26.	B.W.Wahlang Stone Crusher	08.06.2006	Stone Crushing Unit	Pahamkynshoh, Them Marwet, Ribhoi Dist.
27.	Malang Coal Mining.	20.07.2006	Coal Mining	Mooshut, Sutnga, Jaintia Hills
28.	P.S.Coal Mining	20.07.2006	Coal Mining	Krem myrsiang, Sutnga, Jaintia Hills
29.	Sungoh Coal Mining	20.07.2006	Coal Mining	Umtum, Lyiah, Jaintia Hills District
30.	S.S.Coal Mining	20.07.2006	Coal Mining	Wahmyntriang, Sohksih, Jaintia Hills
31.	P.S.Coal Mining	20.07.2006	Coal Mining	Lawania, Lumkseh, Jaintia Hills
32.	Nala Rympei Lime Kiln	30.08.2006	Lime Kiln	Puh Katir, Khliehshnong, Sohra, East Khasi
33.	T.T.Kharkongor Stone Crusher	16.10.2006	Stone Crushing Unit	Nongdawah, Umphyrnai
34.	N.Paswett Stone Crusher	16.10.2006	Stone Crushing Unit	Saitkhlieh, Mawngap, East Khasi Hills
35.	Riangkang Service Co-Op Society	26.02.2007	Tea Processing Unit	Riangsieh, West Khasi Hills
36.	Megha Cashew Pvt. Ltd.	14.03.2007	Cashew nut processing	EPIP Byrnihat, Ribhoi District
37.	Demthring Multipurpose Co-Operative	16.03.2007	Animal Feed Mill	Demthring, Jowai, Jaintia Hills District
38.	B.Marwein Stone Crusher	30.10.2006	Stone Crushing Unit	Laitkroh, East Khasi Hills
39.	Pawan Casting (Meghalaya) (P) Ltd	27.03.2007	Mild Steel Ingot	Harlibagan, Ribhoi District
40.	Pawan Casting (Meghalaya) (P) Ltd	03.06.2006	Re-rolling Mill	Harlibagan, Ribhoi District
41.	Hindustan Coca-Cola Beverages Pvt. Ltd.	12.10.2006	DG Set	Byrnihat, Ribhoi District
42.	MCCL - Mineral Based	04.04.2006	Limestone Mining	Sohra, East Khasi Hills
43.	K.War Lime Industry	20.07.2006	Lime Industry	Mawsmal, East Khasi Hills
44.	Dishnet Wireless Ltd.	08.06.2006	DG Set	Moosalynkat, Jowai, Jaintia Hills
45.	Dishnet Wireless Ltd	08.06.2006	DG Set	Mission, Jowai, Jaintia Hills
46.	R.N.Fragrances Pvt. Ltd.	12.04.2006	Fragrances making Unit	Them marwet, Khanapara, Ribhoi District
47.	Maithan Alloys Ltd.	01.11.2006	Power Plant	EPIP, Byrnihat, Ribhoi District
48.	Slalung Tea Enterprise	27.06.2006	Tea Processing Unit	Mawrong Road, Umsning Ribhoi District
49.	AUMZ Industries	19.06.2006	Veneer-Saw-Timber	20th Mile, Paham Mawlein, Ribhoi District
50.	Indomech Industries	12.10.2006	DG Set Assembling Unit	Them marwet, Khanapara, Ribhoi District



51.	Tlep Khla Stone Crusher	25.07.2006	Stone Crushing Unit	Tlep Khla, Jaintia Hills District
52.	Scorpio Feed Industries	25.07.2006	Feed Mill	Umiam Industrial Estate, Ribhoi District
53.	Popular Automobiles	13.09.2006	Automobile workshop	Keating Road, Shillong, East Khasi Hills
54.	Swastic Stone Industry	11.10.2006	Stone Crushing Unit	Mawkhap, Jirang, Ribhoi District
55.	Khushi Metal Products	27.11.2006	Aluminium Cubes/Bars/Pellets	Baridua, Ribhoi District
56.	Phrangsngi Bakery	12.09.2006	Bakery unit	Byrnihat, Ribhoi District
57.	Meghalaya Minerals & Mines Ltd.	26.02.2007	Lime Stone crushing	Lumshnong, Jaintia Hills District
58.	J.K. Stone Crushing Industry	11.01.2007	Stone Crushing Unit	Jirang, Ribhoi District
59.	Sajid K. Mukhim, Flavour Bakery	16.10.2006	Bakery unit	Pynthorumkhrah, Shillong, East Khasi
60.	Pynbiang Lime Enterprise	26.02.2007	Lime Kiln	Raid Nongskhen, East Khasi Hills
61.	T.S. BLAH Stone Crusher	28.11.2006	Stone Crushing Unit	Wahsnar, Weilo, East Khasi Hills
62.	Bob Garland Mynsong Stone Crusher	09.03.2007	Stone Crushing Unit	Umsaitprah, Umroi, Ribhoi District
63.	Pradip Khriem Lime Kiln	20.02.2007	Lime Kiln	Tohkang, Nongjri, East Khasi Hills
64.	Megha Manufacturing Co. Ltd.	18.04.2006	Washing Soap	9th Mile, Baridua, Ribhoi District
65.	Teilang Automobile Servicing	30.01.2007	Auto servicing	7th Mile Upper Shillong, East Khasi Hills
66.	T.S. Nongkynrih Stone Crusher	30.01.2007	Stone Crushing Unit	Killing, Ribhoi District
67.	Greenland Lakmi Crusher	08.03.2007	Stone Crushing Unit	Puransukubari, Jirang, Ribhoi District
68.	Ibadahun Iron & Steel Workshop	19.02.2007	Automobile workshop	Mawlai Nongkwar, East Khasi Hills
69.	Highland Automobile Body Builder	06.02.2007	Auto Body Builder	Baniun, East Khasi Hills
70.	Megha Technical & Engineering Pvt. Ltd.	21.07.2006	Clinker Grinding Unit	Lumshnong, Jaintia Hills District
71.	Sharawn Tea	10.04.2007	Tea processing Unit	9th Mile, Baridua, Ribhoi Hills
72.	Donbok Myria Stone Crusher	28.02.2007	Stone crushing	Nartiang, Jaintia Hills
73.	Nengnong Automobile, prop	26.02.2007	Automobile Workshop	Down Gate, Nongpoh, Ribhoi District
74.	M. Shabong Bakery	19.02.2007	Bakery Unit	Laitlyngkot, East Khasi Hills
75.	Cherub Naturals Pvt. Ltd.	18.04.2006	Soap Manufacturing Unit	15th mile, Byrnihat, Ribhoi District
76.	Bharti Hexacom	19.06.2006	DG Set	Umiam, Ribhoi District
77.	Bharti Hexacom	04.04.2006	DG Set	Umsning, Ribhoi District
78.	Bharti Hexacom	19.06.2006	DG Set	Umiam, Ribhoi District
79.	Bharti Hexacom	04.04.2006	DG Set	Umsning, Ribhoi District
80.	Bharti Hexacom	10.04.2006	DG Set	Jorabat Tower, Ribhoi District



81.	La Chit Boro Stone Crusher	02.02.2007	Stone Crushing Unit	Patharkuchi, Ribhoi District
82.	Wahlang & Sons Re-treading Unit	11.10.2006	Tyre rethreading Unit	Mawsawa, Mairang, West Khasi Hills District
83.	Bharti Hexacom	20.07.2006	DG Set	Mawlai mawdatbaki, East Khasi Hills
84.	Bharti Hexacom	20.07.2006	DG SET	Pohkseh, Nongthymmai, East Khasi Hills
85.	Bharti Hexacom	20.07.2006	DG SET	Mawlynrei, East Khasi Hills
86.	Bharti Hexacom	28.08.2006	DG Set	Umtrew, Ribhoi District
87.	Bharti Hexacom	28.08.2006	DG Set	Mawiong Rim, Shilong, East Khasi Hills
88.	Bharti Hexacom	28.08.2006	DG SET	Umlun Area, Umsamlem-Ribhoi District
89.	Bharti Hexacom	28.08.2006	DG SET	Nongrim Byrnihat, Ribhoi District
90.	Dishnet Wireless Ltd-	28.01.2007	DG Set	Upp. Mawprem (Upp Mawprem), Mawiong & Dongriewrim Mawphlang-East Khasi Hills

ANNEXURE – 6(B)

**LIST OF UNITS WHICH RENEWAL OF
CONSENT TO ESTABLISH ISSUED DURING 2006- 2007**

Sl.No.	Name of Industry	Date of Consent to Establish Renewal	Type of Industry	Location of Industry
1.	Ri-Bhoi Fertilizers & Chemicals Pvt. Ltd.	30.03.2007	Mixed Formulation Fertilizer	Baridua, Ribhoi District
2.	Dympep Stone Crusher	28.04.2006	Stone Crushing Unit	Mawphlang, East Khasi Hills
3.	Meghalaya Fusions Ltd.	.06.2006	Ferro Silicon	EPIP, Byrnihat, Ribhoi District.
4.	PMS Grinding Industry	18.05.2006	Stone Crushing Unit	Mawpdang, East Khasi Hills
5.	Mohammad Ibrahim Scooter Repairing Works	21.03.2007	Two Wheeler workshop	Laitumkhras, East Khasi Hills
6.	A.R.Cashewnut Industry	15.02.2007	Cashewnut making Unit	Phulbari, West Garo Hills
7.	Bliss Lime Kiln	23.03.2007	Lime Kiln	Mawkisyiem, East Khasi Hills
8.	P.S.Coal Mining	26.06.2006	Coal Mining	Lawania, Lumkseh, Jaintia Hills
9.	Shillong Veneer & Saw Mill Pvt. Ltd.	27.03.2007	Saw-cum-veneer Mill	Umiam Industrial Area, Ribhoi District
10.	Optomax Calcium Calcinate Pvt. Ltd.	14.03.2007	Lime Calcination	Umsawmat, East Khasi Hills
11.	Teinam Bakery	27.04.2006	Bakery Unit	Mawlai Mawdatbaki, East Khasi Hills
12.	Blah Black Stone Products	13.12.2006	Stone Crushing Unit	Mawphlang East Khasi Hills
13.	Mawphor Offset Printing Press	27.04.2006	Printing Press	Lower Mawprem, East Khasi Hills
14.	Kmel Nongbri Stone Crusher	12.04.2006	Stone Crushing Unit	Sohiong, East Khasi Hills District
15.	Rymbai Stone Crusher	31.03.2007	Stone Crushing Unit	Sohryngkham, East Khasi Hills
16.	Modrina Stone Crusher	27.03.2007	Stone Crushing Unit	Laitlyngkot, East Khasi Hills
17.	Ayurvedic Product	11.01.2007	Ayurvedic Products	Nongstoin, West Khasi Hills
18.	Kelson War & Sons Lime Kiln Unit	14.12.2006	Lime Kiln	Tyrna, East Khasi Hills

ANNEXURE - 7

LIST OF UNITS WHERE CONSENT TO OPERATE ISSUED DURING 2006-2007

Sl. No.	Name of Industry	CTO Issued on	Type of Industry	Location of Industry
1	I.Lakhmi Stone Crusher	11.10.2006	Stone Crusing	Rani,Jirang,Ribhoi District.
2	D.Lakhmi Stone Crusher	11.10.2006	Stone Crusing	Pynsemkura,Jirang,Ribhoi District.
3	Gee-See-Kaa Stone Crusher	08.03.2007	Stone Crusing	Umiam Industrial Area,Ribhoi District
4	Rani Motors	09.03.2007	Automobile Repairing	Mawblei,Madanrting,Shillong,East Khasi Hills
5	Sirish Sangma Stone Crusher	08.12.2006	Stone Crusing	Maikhuli,Ribhoi District
6	Starlin Rynjah Stone Crusher	05.10.2006	Stone Crushing	Mawrie,Lumheh,Sohryngkham,E.Khasi Hills
7	Purbanchal Alloys Ltd	31.05.2006	Ferro Silicon	EPIP,Byrnihat,Ribhoi District.
8	Catherine Mynsong Motor Works	01.11.2006	Automobile Workshop	Keating Road,Shillong,East Khasi Hills
9	Oxford Packaging Pvt Ltd.	04.04.2006	Corrugated Box Making	9th Mile,Baridua,Ribhoi District
10	Milestone Beverages Pvt. Ltd.	05.01.2007	IMFL Bottling Plant	15th Mile,Byrnihat,Ribhoi District
11	Shyam Century Ferrous Ltd.	19.06.2006		EPIP,Byrnihat,Ribhoi District.
12	Boktozama Stone Crusher	06.12.2006	Stone Crushing	Tangoan,West Garo Hills
13	Shillong Ispat & Rolling Mill Pvt. Ltd.	02.03.2006	Mild Steel Ingot	Byrnihat,Ribhoi District
14	A.D.Aggregate Crushers	06.10.2006	Stone Crushing	Barapathar,Ribhoi District
15	Byrnihat Mini Flour Mill	30.03.2007	Flour Mill	Amjok,Byrnihat,Ribhoi District
16	Meghalaya Cements Ltd.-(4.9 ha)	04.09.2006	Limestone Mining	Rymai Synden Mine-Khliehjri
17	Edwell Dkhar Stone Crusher	07.04.2006	Stone Crushing	Maikhuli,Ribhoi District
18	Edwell Dkhar Stone Crusher-	07.04.2006	Stone Crushing	Maikhuli,Ribhoi District
19	AUMZ Industries	26.08.2006	Veneer-Saw-Timber	20th Mile,Paham Mawlein,Ribhoi District
20	Scorpio Feed Industries	09.11.2006	Feed Mill	Umiam Industrial Estate,Ribhoi District
21	Khushi Metal Products	22.12.2006		9th Mile,Baridua,Ribhoi District
22	Ibadahun Iron & Steel Works	14.03.2007	Automobile workshop	Mawlai Nongkwar,Shillong,East Khasi Hills
23	N.R.Roller Flour Mills Co.(P) Ltd.,	04.04.2006	Flour Mill	Them Marwet,Khanapara,Ribhoi District
24	Shree Sai Prakash Alloys Pvt. Ltd.	08.09.2006		Rangsakona,Byrnihat,Ribhoi District
25	Manjeng Sangma Stone Crusher	09.11.2006		Thikingdarigiri, West Garo Hills
26	Manjeng Sangma Stone Crusher	09.11.2006		Tangoan,West Garo Hills
27	Fazal Haque Crusher Machine	06.12.2006	Stone Crushing	Tangoan,West Garo Hills
28	Nodrowel Bakery & Confectioners	31.03.2007		Dhankheti,Shillong,East Khasi Hills
29	Director, Printing & Stationery	27.03.2007	Printing Press	IGP,Shillong,East Khasi Hills
30	Dameri Enterprise	31.03.2007		Jatap,Mustoh,Shella,East Khasi Hills
31	Trikutta Ferro Alloys Pvt. Ltd.	04.01.2007		EPIP,Byrnihat,Ribhoi District



32	Surya Alloys Industries (P) Ltd.	29.05.2006	MS Ingot.	Tamulkuchi, 13 mile, Ribhoi District
33	Phassimai Syiem Stone Crusher	14.03.2007	Stone Crushing	Mawpdang, East Khasi Hills
34	N. E. R. Agricultural Marketing Corpn	28.04.2006	Ginger Processing	EPIP, Byrnihat, Ribhoi District
35	Rimar Stone Crusher	12.10.2006	Stone Crushing	Umeit, Ribhoi District
36	NEIGRIHMS (STP)	04.07.2006	Sewerage Treatment Plant	Mawdiangdiang, Shillong-12, East Khasi Hills
37	I.Lakhmi Stone Crusher	11.10.2006	Stone Crushing	Rani, Jirang, Ribhoi District.
38	D.Lakhmi Stone Crusher	11.10.2006	Stone Crushing	Pynsemkura, Jirang, Ribhoi District.
39	Gee-See-Kaa Stone Crusher	08.03.2007	Stone Crushing	Umiam Industrial Area, Ribhoi District
40	Jai Plastech Pvt. Ltd.	31.08.2006	Plastic manufacturing	Umtru, Raja Bagan, Ribhoi District
41	Three Leaves Consumers	20.02.2006	Tea Processing	9th Mile Baridua, Ribhoi District
42	Sirish Sangma Stone Crusher	08.12.2006	Stone Crushing	Maikhuli, Ribhoi District
43	Starlin Rynjah Stone Crusher	05.10.2006	Stone Crushing	Mawrie, Lumheh, Sohryngkham, E.Khasi Hills
44	NEIGRIHMS	06.06.2006	DG Set	Mawdiangdiang, Shillong-12, East Khasi Hills
45	Purbanchal Alloys Ltd	31.05.2006	Ferro Silicon	EPIP, Byrnihat, Ribhoi District.
46	Catherine Mynsong Motor Works	01.11.2006	Automobile Workshop	Keating Road, Shillong, East Khasi Hills
47	Oxford Packaging Pvt Ltd.	04.04.2006	Corrugated Box Making	9th Mile, Baridua, Ribhoi District
48	Shyam Century Ferrous Ltd.	19.06.2006	Captive Power Plant	EPIP, Byrnihat, Ribhoi District.
49	Boktozama Stone Crusher	06.12.2006	Stone Crushing	Tangoan, West Garo Hills
50	A.D.Aggregate Crushers	06.10.2006	Stone Crushing	Barapathar, Ribhoi District
51	Byrnihat Mini Flour Mill	30.03.2007	Flour Mill	Amjok, Byrnihat, Ribhoi District
52	Satyam Alloys	04.01.2007	Ferro Alloy	13th Mile Tamulkuchi, Byrnihat, Ribhoi District
53	A.T.C Cera Chem Pvt. Ltd.	15.11.2006	Liquid power mixture	15th Mile, Byrnihat, Ribhoi District
54	Paras Singh Stone Crusher	12.04.2006	Stone Crushing	Maikhuli, Ribhoi District
55	Speed Tech	06.10.2006	Automobile Servicing	Thembasuk, Madanrting, East Khasi Hills
56	Dishnet Wireless Ltd	11.12.2006	DG Set	Moosalynkat, Jowai, Jaintia Hills
57	Dishnet Wireless Ltd	30.10.2006	DG Set	Mission, Jowai, Jaintia Hills
58	Dishnet Wireless Ltd.	19.03.2007	DG Set	Khliehriat, Jaitia Hills District
59	R.N.Fragrances Pvt. Ltd.	19.06.2006	Fragrances making	Them marwet, Khanapara, Ribhoi District
60	S.K.Associates	27.03.2007	Stone Crushing	Barapathar, Ribhoi District
61	Indomech Industries	04.01.2007	DG Set Assembling	Them marwet, Khanapara, Ribhoi District
62	Byrnihat Ispat Pvt. Ltd.	23.03.2007	Ferro Silicon	EPIP, Byrnihat, Ribhoi District
63	Byrnihat Steel (P) Ltd.	19.05.2006	Steel Fabrication	13th Mile, Tamulkuchi, Ribhoi District
64	Dishnet Wireless Ltd.	18.05.2006	D G SET	Laban, East Khasi Hills
65	Dishnet Wireless Ltd.	18.06.2006	DG Set	Nongmynsong, East Khasi Hills
66	Dishnet Wireless Ltd.	19.05.2006	DG Set	Mawlai, Shillong, East Khasi Hills
67	Dishnet Wireless Ltd.	18.05.2006	DG Set	Police Bazar, Shillong East Khasi Hills
68	Dishnet Wireless Ltd.	18.05.2006	DG Set	Nongthymmai, East Khasi Hills
69	Dishnet Wireless Ltd.	18.05.2006	DG Set	Malki, East Khasi Hills
70	Dishnet Wireless Ltd -	18.05.2006	DG Set	Garikhana, East Khasi Hills

ANNEXURE – 7(A)
RENEWAL OF CONSENT TO OPERATE ISSUED DURING 2006-2007

Sl. No.	Name of Industry	Date of Consent To Operate Renewal	Type of Industry	Location of Industry
1.	Pijush Sangma Stone Crusher	02.02.2007	Stone Crushing Unit	Nagrabil,Ribhoi District
2.	A.T.C Cera Chem Pvt. Ltd.	15.01.2007	Liquid power mixture Unit	Byrnihat,Ribhoi District
3.	Arima & Co.	11.01.2007	Oximino Silane Unit	Khanapara,Ribhoi District
4.	T.Rynjah & Sons Painting Work	12.10.2006	Welding and Painting Workshop	Mawlai Nongkwar,Shillong,East Khasi Hills
5.	Hindustan Coca-Cola Beverages (P) Ltd.	27.03.2007	Aerated Drinks	Byrnihat,Ribhoi District
6.	S.Suting, Nongthymmai, Mawsmai	07.02.2007	Coal Fired Lime	Sohra,East Khasi Hills
7.	Beralis Lyngdoh	07.03.2007	Diesel Generator	Dhankheti,Shillong,East Khasi Hills
8.	Megha Plastics Pvt. Ltd.	20.03.2007	Plastic Ropes Making Unit	Byrnihat,Ribhoi District
9.	Shree Sai Smelters (India) (P) Ltd	29.03.2007	Silico Manganese(2.5)	Rangsakona,Ribhoi District
10.	Kamakshi Ispat Pvt. Ltd	23.05.2006	Ferro Manganeses	EPIP,Byrnihat,Ribhoi District
11.	Eastern Panoroma Offset Press	31.03.2007	Printing Press	Keating Road,Shillong,East Khasi Hills
12.	Rymbai Stone Crusher	31.03.2007	Stone Crushing Unit	Sohryngkham,East Khasi Hills
13.	Doque Auto Centre	01.11.2006	Automobile Workshop	Mawlai, East Khasi Hills
14.	Shree Sai Smelters (India) Pvt. Ltd.	29.03.2007	Ferro Silicon Unit	Byrnihat,Ribhoi District
15.	Brahmaputra Wire Products	29.03.2007	Steel Wire Making Unit	Tamulkuchi,13 mile,Ribhoi District
16.	Ayurvedic Product	11.01.2007	Ayurvedic Products	Nongstoin,West Khasi Hills
17.	T.S.Shrieh Lime	05.02.2007	Lime Kiln	Sohra,East Khasi Hills
18.	Dees Chemicals Pvt. Ltd.	29.03.2007	Parafin Wax and Base Oil	EPIP,Byrnihat,Ribhoi District
19.	Vansha Fragrances	29.08.2006		EPIP Byrnihat,Ribhoi District
20.	Shyam Century Ferrous Ltd.,	12.04.2006	Ferro Silicon and Manganese Unit	EPIP,Byrnihat,Ribhoi District
21.	Harmel A.Sangma Stone Crusher	15.05.2006	Stone Crushing Unit	Selsela,West Garo Hills
22.	Nodrowel Bakery & Confectioners	31.03.2007	Bakery Unit	Dhankheti, ,East Khasi Hills
23.	Meghalaya Sova Ispat Alloys Ltd.-	10.04.2006	Ferro Magnese & Silicon Magnese	EPIP Byrnihat, Ribhoi District



24.	Dameri Enterprise	31.03.2007	Stone Crushing Unit	Mustoh,Shella,East Khasi Hills
25.	Nalari Tea Industry	29.03.2007	Tea processing Factory	Mawsyntai,Nongpoh,Ribhoi District
26.	Jaintia Cements Ltd.	31.03.2007	Cement Plant	Latyrke,Stunga,Jaintia Hills
27.	Fruit Preservation Centre, Shillong.	25.05.2006	Fruit processing unit	Fruit Garden,Shillong
28.	North East Powerline Industries	05.01.2007	D.G. & Pump	Baridua, Byrnihat Ri-Bhoi Dist.

**ANNEXURE-10****RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR 2006-07.**
RECEIPTS A/C **PAYMENTS A/C**

Opening Balance:			Fixed Assets	:	3486933.00
Cash in hand	:	7451.26			
Cash at bank:			Other Assets:		
In Saving Bank Account:			Scientific Instrument and		
With Indian Overseas Bank			Office appliances	:	...
Shillong on:			Tools and Plants	:	... 3486933.00
Account No. 3488	:	(22123.26)			
Account No. 425	:	Revenue Expenditure:		
Account No.6757	:	2599050.38	Administration:		
Indian Bank, Shillong	:	(14076.40)	Pay & Allowances to		
Bank of India, Shillong on:			Officers and Staff	:	7335184.00
Account No.3226	:	86426.00	Contribution to P.F.	:	925657.00
Account No.3518	:	8977.85	Contingent Expenditure	:	<u>869691.00</u> 9130532.00
Account No. 544	:	(14902.50)			
Account No. 1242	:	9529894.37	Board Revenue	:	1423818.00
Account No. 1090	:	691275.80	Running and Maintenance		
Account No. 1987	:	1973290.75	of Vehicles	:	107103.00
Account No. 3006	:	164475.08	Repair and Maintenance	:	14163.00
Account No. 3100	:	5547767.45	Advances	:	80200.00
Vijaya Bank on:			Deposits	:	310097.00
Account No. 7658	:	4512461.00	Other Expenditure	:	677224.00
In Fixed Deposited Account:			Watercess	:	24975.00
With Indian Overseas Bank			Professional Tax	:	34955.00
Shillong	:	3872233.00	Sale Tax Deducted at		
Bank of India, Shillong	:	1542133.00	Source	:	1745.00
		30484333.68			
Grant Received From:			Closing balance:		
Ministry of Environment & Forest,			Cash in hand	:	5060.26
Govt.			Cash at Bank:		
of India	:	822590.00	In Saving Account:		
Department of Public Health			With Indian Overseas		
Engineering	:	9076000.00	Bank, Shillong on:		
Central Pollution Control Board			Account No.3488	:	(22123.36)
Govt.			Account No.6757	:	2564856.38
of India	:	270379.00	Indian Bank Shillong	:	(14076.40)
		10168969.00	Bank of India Shillong on:		
Grant in aid received from:			Account No.3226	:	89477.00
other Agencies:			Account No.3518	:	209516.85
Fees		1525512.00	Account No.544	:	(14902.50)
Interest on Investment		734339.00	Account No.1242	:	10175542.37
Miscellaneous receipts		351165.00	Account No.1090	:	657079.80
Miscellaneous Advances		190890.00			
Deposits		485075.00			
Staff Recoveries/Deductions:					
Professional Tax		34955.00			
EPF		411281.00			
GPF		96000.00			



ANNUAL REPORT

		Account No.1987	:	1906240.75	
		Account No.3006	:	23578.08	
<u>Other Recoveries:</u>		Account No.3100	:	1565074.45	
Forest Royalty	28071.00	Vijaya Bank on:			
Sale Tax deducted at source	20479.00	Account No.7658	:	1729111.00	
		SBI,Main Branch, Shillong			
		A/C No.10881235832	:	4950524.00	
		In Fixed Deposit Account:			
		With Indian Overseas			
		Bank , Shillong	:	3872233.00	
		Bank of India Shillong	:	1542133.00	29239324.68
Grand Total Rupees	44531069.68				44531069.68

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Meghalaya State Pollution Control Board
Shillong
- Coordination & Supervision - Shri A. Biswa, Chairman
Meghalaya State Pollution Control Board
Shillong
- Data Compilation - Shri E. R. Dkhar, U.D.A.
Meghalaya State Pollution Control Board
Shillong

MEGHALAYA STATE POLLUTION CONTROL BOARD
"Arden", Lumpynggad, Shillong - 793014
Website : www.megspcb.gov.in