

ANNUAL REPORT 2011-2012



**MEGHALAYA STATE
POLLUTION CONTROL BOARD
SHILLONG**

ANNUAL REPORT



2011 - 2012

**Meghalaya State Pollution Control Board
Shillong**

Published by
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FORWARD

The Annual Report of Meghalaya State Pollution Control Board 2011-2012 is the documentation of our year long activities. The Annual Report has thirteen chapters and annexures which describe the statutory mandates of the Board, its composition, organizational structure, environmental issues and activities of the Board, thus representing the present picture of the state of environment of Meghalaya.

I appreciate the sincerity, passion and teamwork of the officers and staff which inspite of an uphill task of the resources at our disposal, the Board could implement a plethora of activities documented in this report.

M. Allya
Chairman
Meghalaya State Pollution Control Board
Shillong

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1

INTRODUCTION

The State Board for Prevention and Control of Water Pollution, Meghalaya was constituted by the Government of Meghalaya on the 16th Day of November, 1983 in pursuance of the first environmental legislation of the country, Water (Prevention & Control of Pollution) Act, 1974. Subsequently the enforcing responsibility of the Air (Prevention & Control of Pollution) Act, 1981 was entrusted to the Board. 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. The State Board for Prevention and Control of Water Pollution, Meghalaya was rechristened as Meghalaya State Pollution Control Board in 1988.

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, 2006 and Amendments 2009.
- 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 66 Staff as on 31st March 2012 against a sanctioned strength of 123. The details of staff position are given in Annexure-1. 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 including implementation thereof. 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 following are some of the main activities carried out by the Board.

- (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
- (xii) Batteries Management
- Identification of Sources
 - Characterisation & Quantification of Wastes
 - Enforcement of Provisions of the Rules
 - Monitoring of Compliance to Standards
- (xiii) Plastic Management :
- Identification of Sources
 - Characterisation & Quantification of Wastes
 - Enforcement of Provisions of the Rules
 - Monitoring of Compliance to Standards
- (xiv) 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.

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 May1998. However, the three non- officials members were refortified 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 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-3.

During the financial year 2011-2012 Shri M. Allya (w.e.f. 01-10-2010 till date) succeeded as the Chairman and Shri J.H. Nengnong (29-09-2010 upto 14-05-2012) as the Member Secretary of the Board.

3 MEETINGS OF THE BOARD WITH MAJOR DECISIONS

During the year 2011-2012, the Board conducted the following Meetings: -

Sl. No.	Meeting No.	Date	Venue	No. Of Members Attending the Meeting
1	55th Board Meeting	03-11-2011	Office chamber of the Chairman, MSPCB	9 (nine)
2.	56th Board Meeting	14-02-2012	Office chamber of the Chairman, MSPCB	7 (seven)

The following major decisions were taken during the Meeting: -

55th BOARD MEETING:

- The Board approved the draft concept paper for carrying out the EIA Study of Byrnihat area and decided that the draft paper along with estimate should be sent to CPCB / MoEF for financial assistance.
- The Board approved the working estimate for the Internal Electrification along with the Central Control Panel at the rate of ₹ 12, 57,164.00 including 5% contingencies to be met from the fund already sanctioned for the purpose.
- The Board endorsed the action taken by the office of the Board in completing the laying of leased line from BSNL at a cost of ₹ 34,504.00 and purchase of Router from National Informatics Center Services Incorporated (NICSI), Govt. of India at a cost of ₹ 83,827/-.
- The Board approved the draft “Document on Prevention, Abatement & Control of Water Pollution in Meghalaya” prepared by the office of the Board and decided that the Fisheries Department should be included after which the Document can be finalized and sent to the Govt.
- The Board approved the proposal to engage Shri K.S. Kynjing, Senior Advocate as the Legal Adviser of the Board at a retaining fee of ₹ 5, 000/- p.m. with fees for other services as per Office Memorandum No. 1 R (B) 1/89/Pt/33 Dtd. 28-03-2000 notified by the Govt. of Meghalaya in Law (B) Deptt.
- The Board approved the Budget proposal (PLAN & NON-PLAN) of Meghalaya State Pollution Control Board for the year 2012-2013 for onward submission to the Govt.

- The Board approved the proposal to introduce the Group Saving Linked Insurance for the Board's employees.

56th BOARD MEETING:

- The Board decided that the matter of non-payment of water cess should be reported to the Govt. in the PHED so that it can take up the matter directly with the respective Departments at the Government for realization of cess payable under the Water (Prevention and Control of Pollution) Cess Act, 1977.
- The Director of Commerce & Industries has assured that a concrete proposal for identification of an alternative site for establishment of Common Hazardous Waste Treatment, Storage & Disposal Facility will be prepared and reported back in the next Meeting of the Board.
- Considering the likely impact if boulders quarrying from river beds on the hydrology and ecology of the river, the Board decided that the State Government should be made well aware of the danger posed by such activities including the following views offered by the Members of the Board: -
 - Expert opinion from Institutions dealing with the subject matter on the effect of boulder extraction on the stability of rocks in the river beds and banks of the rivers may perhaps be required before allowing such activity.
 - Stone boulder deposits on the river beds act as natural barrier in controlling the flow velocity of the river thereby preventing erosion of river banks etc. Removal of stone boulders from the river beds will affect its hydrology with adverse impact on the river ecology including aquatic environment.
 - Since there is no provision under the Water Act to regulate such activity, it is advisable that the matter be taken up with the Central Government for regulating such activity under the Environment (Protection) Act 1986.

4 COMMITTEES CONSTITUTED BY THE BOARD & THEIR ACTIVITIES

The “Consent Committee” and the “Purchase Committee” of the Board are the two committees which were 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 List 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.

MEMBERS OF THE PURCHASE COMMITTEE

1. Chairman : Chairman
Meghalaya State Pollution Control Board, Shillong.
2. Director of Industries or his nominee. : Member
3. Chief Engineer P.H.E Deptt. Meghalaya or his nominee : Member
4. The Director, : Member
Regional Sophisticated Instrument Centre,
Bijni Complex, N.E.H.U, Shillong.
5. Senior Scientist, Indian Council of Agricultural Research(I.C.A.R), Umiam : Member
6. Member Secretary, : Convener
Meghalaya State Pollution Control Board, Shillong.

MEMBERS OF THE SELECTION COMMITTEE FOR GRADE – ‘A’ POSTS

1. Principal Secretary/ Commissioner & Secretary : Chairman
Govt. of Meghalaya, P.H.E.Deptt., Shillong
2. Chief Engineer/Addl. Chief Engineer, P.H.E. Deptt. : Member
Meghalaya, Shillong
3. Chairman : Member
Meghalaya State Pollution Control Board, Shillong

4. Environmental Engineer, : Member
I/C North Eastern Zonal Office,
Central Pollution Control Board, Shillong.
5. Member Secretary, : Member
Meghalaya State Pollution Control Board, Shillong. Convener

MEMBERS OF THE SELECTION COMMITTEE FOR GRADE – ‘B’, ‘C’ & ‘D’ POSTS

1. Chairman : Chairman
Meghalaya State Pollution Control Board, Shillong.
2. Chief Administrative Officer, : Member
O/o the C.E., P.H.E. Deptt. Shillong.
3. Environmental Engineer, : Member
I/C North Eastern Zonal Office,
Central Pollution Control Board, Shillong.
4. Member Secretary, : Member
Meghalaya State Pollution Control Board, Shillong
5. Administrative Officer/E.O. Meghalaya State Pollution Control Board, : Member
Shillong. Convener

**MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE FOR GRADE
– ‘A’ POSTS**

1. Chairman : Chairman
Meghalaya State Pollution Control Board, Shillong.
2. Member Secretary, : Member
Meghalaya State Pollution Control Board, Shillong.
3. Senior Scientist/Scientist ‘C’ : Member
4. Sr. Environmental Engineer/ Environmental Engineer : 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

**MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE 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’ : Member
4. Sr. Environmental Engineer/ Environmental Engineer : Member
5. Administrative Officer/Establishment Officer
Meghalaya State Pollution Control Board, Shillong : Member
Convener

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

MONITORING OF AIR QUALITY

5.1 AIR QUALITY MONITORING

The Meghalaya State Pollution Control Board is monitoring the Ambient Air Quality at 5 (five) stations in the state under National Air Monitoring Programme (NAMP) sponsored by CPCB. The frequency of monitoring is twice a week. Particulate Matter (PM10), 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 presented in tables below:-

Table 5.1.1 : Ambient Air Quality data monitored during 2011-2012 at Board’s Office Premises, Lumpyngad, Shillong (Station – I)

MONTH & YEAR	PARAMETERS (MONTHLY AVERAGE)			Permissible Limits (Annual avg.)	
	PM10 (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	Pollutants	Concentrations (µg/m ³)
APRIL'11	47.2	2.0	4.5	PM10	60
MAY'11	47.6	2.0	4.5	SO ₂	50
JUNE'11	51.9	2.0	4.5	NO _x	40
JULY'11	28.0	2.0	4.5	<i>Permissible limits of Ambient Air Quality Standards as per EPA Notification GSR 826(E), dated 16th Nov. 2009.</i>	
AUGUST'11	47.7	2.0	4.5		
SEPTEMBER'11	53.7	2.0	4.5		
OCTOBER'11	57.2	2.0	4.5		
NOVEMBER'11	53.0	2.0	4.5		
DECEMBER'11	51.0	2.0	4.5		
JANUARY'12	54.6	2.0	5.3		
FEBRUARY'12	45.8	2.0	5.6		
MARCH'12	52.2	2.0	5.4		
Annual Avg.	49.1	2.0	4.7		

Table 5.1.2 : Ambient Air Quality data monitored during 2011-2012 at MUDA Complex, Police Bazar, Shillong (Station – II)

MONTH & YEAR	PARAMETERS (MONTHLY AVERAGE)			Permissible Limits (Annual avg.)	
	PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	Pollutants	Concentrations ($\mu\text{g}/\text{m}^3$)
APRIL' 11	90.6	3.9	15.7	PM10	60
MAY' 11	85.2	3.2	23.3	SO ₂	50
JUNE' 11	85.2	3.8	13.8	NO _x	40
JULY' 11	91.1	2.7	13.4	<i>Permissible limits of Ambient Air Quality Standards as per EPA Notification GSR 826(E), dated 16th Nov. 2009.</i>	
AUGUST' 11	86.3	2.5	12.1		
SEPTEMBER' 11	87.9	2.7	13.7		
OCTOBER' 11	98.4	3.9	12.3		
NOVEMBER' 11	87.3	4.0	14.0		
DECEMBER' 11	88.9	4.5	13.7		
JANUARY' 12	93.0	4.0	18.8		
FEBRUARY' 12	93.1	2.5	17.0		
MARCH' 12	94.3	2.0	12.1		
Annual Avg.	90.1	3.3	14.9		

Table 5.1.3 : Ambient Air Quality data monitored during 2011-2012 at EPIP, Byrnihat, Ri-Bhoi District (Station – III)

MONTH & YEAR	PARAMETERS (MONTHLY AVERAGE)			Permissible Limits (Annual avg.)	
	PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	Pollutants	Concentrations ($\mu\text{g}/\text{m}^3$)
APRIL' 11	216.6	-	19.6	PM10	60
MAY' 11	188.8	-	15.5	SO ₂	50
JUNE' 11	163.0	-	12.5	NO _x	40
JULY' 11	161.0	31.6	9.2		
AUGUST' 11	148.9	31.4	18.5		

SEPTEMBER'11	131.5	21.4	14.4	<i>Permissible limits of Ambient Air Quality Standards as per EPA Notification GSR 826(E), dated 16th Nov. 2009.</i>
OCTOBER'11	133.3	37.5	14.2	
NOVEMBER'11	180.2	43.4	18.0	
DECEMBER'11	150.3	52.1	18.5	
JANUARY'12	148.1	38.2	25.4	
FEBRUARY'12	137.1	34.8	20.8	
MARCH'12	168.3	50.7	24.9	
Annual Avg.	160.5	37.9	17.6	

Table 5.1.4 : Ambient Air Quality data monitored during 2011-2012 at Dawki, Jaintia Hills District (Station – IV)

MONTH & YEAR	PARAMETERS (MONTHLY AVERAGE)			Permissible Limits (Annual avg.)	
	PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	Pollutants	Concentrations ($\mu\text{g}/\text{m}^3$)
APRIL'11	53.1	4.6	8.6	PM10	60
MAY'11	52.0	3.0	7.3	SO ₂	50
JUNE'11	47.8	2.0	4.9	NO _x	40
JULY'11	42.4	2.0	5.8	<i>Permissible limits of Ambient Air Quality Standards as per EPA Notification GSR 826(E), dated 16th Nov. 2009.</i>	
AUGUST'11	52.7	2.0	4.6		
SEPTEMBER'11	57.4	2.8	4.9		
OCTOBER'11	65.7	2.7	4.9		
NOVEMBER'11	67.3	3.2	7.8		
DECEMBER'11	69.5	2.0	7.8		
JANUARY'12	73.2	2.0	5.9		
FEBRUARY'12	73.5	2.8	9.4		
MARCH'12	50.7	2.0	11.7		
Annual Avg.	58.7	2.5	6.9		

Table 5.1.5 : Ambient Air Quality data monitored during 2011-2012 at Tura, West Garo Hills District (Station – V)

MONTH & YEAR	PARAMETERS (MONTHLY AVERAGE)			Permissible Limits (Annual avg.)	
	PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	Pollutants	Concentrations ($\mu\text{g}/\text{m}^3$)
APRIL'11	45.3	2.0	5.8	PM10	60
MAY'11	56.0	2.0	7.9	SO ₂	50
JUNE'11	60.4	2.0	5.4	NO _x	40
JULY'11	56.3	2.0	4.6	<i>Permissible limits of Ambient Air Quality Standards as per EPA Notification GSR 826(E), dated 16th Nov. 2009.</i>	
AUGUST'11	58.0	2.0	4.5		
SEPTEMBER'11	56.4	2.0	6.2		
OCTOBER'11	56.1	2.0	6.7		
NOVEMBER'11	56.3	2.0	6.0		
DECEMBER'11	54.0	2.0	5.7		
JANUARY'12	53.3	2.0	4.5		
FEBRUARY'12	55.3	2.0	4.5		
MARCH'12	59.6	2.0	4.5		
Annual Avg.	55.5	2.0	5.5		

5.2 STATE AMBIENT AIR MONITORING PROGRAMME:

The Board has established an Ambient Air Quality Monitoring station at Umiam Industrial area under State Air Quality Monitoring Programme (SAMP) during August 2009. The objective of the programme is to determine the status & trends of ambient air quality to ascertain whether the prescribed ambient air quality standards are violated. The results obtained during monitoring are depicted as follows:-

Table 5.2.1 : State Ambient Monitoring Programme (SAMP) at Umiam Industrial Estate, Ri-Bhoi District, monitored during 2011-2012.

MONTH & YEAR 2010-2011	Permissible Limits (Annual avg.)				Pollutants	Concentrations ($\mu\text{g}/\text{m}^3$)			
	PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)						
APRIL '11	117.3	2.0	25.5		PM10	60			
MAY '11	118.9	2.0	31.5		SO ₂	50			
JUNE '11	102.5	2.0	16.3		No _x	40			
JULY '11	98.1	2.0	13.6	<i>Permissible limits of Ambient Air Quality Standards as per EPA Notification GSR 826(E), dated 16th Nov. 2009.</i>					
AUGUST '11	92.5	2.0	10.7						
SEPTEMBER '11	94.7	2.0	14.2						
OCTOBER '11	94.9	2.0	14.8						
NOVEMBER '11	110.3	2.0	14.4						
DECEMBER '11	98.1	2.0	14.0						
JANUARY '12	137.2	2.0	15.5						
FEBRUARY '12	197.9	2.0	17.0						
MARCH '12	160.5	2.0	14.4						
Annual Avg.	118.5	2.0	16.8						

5.3 AIR QUALITY MONITORING FOR SOME INDUSTRIES

The Board carried out ambient air (Table 5.3.1) and source emission (Table 5.3.2) quality monitoring for some industrial units operating in the state. The following results were obtained during the monitoring: -

Table 5.3.1 : Ambient Air Quality data.

Sl. No.	Name of Industry/ Location	Sampling Station	Date of Sampling	PM10 ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)	Remarks
1.	CHC, Saitsohpen, Sohra.	Premises of CHC	18.10.11	56.6	2.0	4.5	W
2.	Mawpun, Sohra	Residence of Shri. S.Mawthoh	18.10.11	120.7	18.6	5.4	A
3.	Mawsmal, Sohra	Premises of Mawsmal Dorbar Hall	18.10.11	189.5	19.2	4.5	A
4.	MCCL, Mawmluh, Sohra	Premises of MCCL Guest House	18.10.11	61.0	5.3	4.5	W

5.	M/S Hindustan Coca-Cola Beverages (P) Ltd., Byrnihat.	Near Canteen	01.11.11	295.4	57.8	19.5	A
		Near ETP	01.11.11	291.3	46.9	25.7	A
		Near Main Gate	02.11.11	362.5	68.5	21.1	A
6.	M/S CMCL, Lumsh-nong.	Near Guest house	11.01.12	73.2	11.4	7.1	W
		Near Pump house	11.01.12	94.4	9.3	10.2	W
		Security gate No. 2	11.01.12	115.7	15.6	11.5	A
7.	M/S HM Cements Ltd., Byrnihat	Near Kiln Section	17.01.12	204.1	13.3	5.9	A
		Guest House	17.01.12	110.3	15.8	7.0	A
8.	M/S K K Beverages Ltd, Khanapara.	Near Front Office	18.01.12	355.4	31.6	22.9	A
		Near Power House	18.01.12	186.3	27.8	16.3	A
9.	M/S Green Valley Industries Ltd., Nongsning.	Near Guest house	21.02.12	415.6	10.3	31.7	A
		Near DG Set	21.02.12	285.4	19.6	34.3	A
		Residential colony	22.02.12	191.5	10.8	32.3	A
10.	M/S Jaintia Cements Ltd., Sutnga	Guest House	06.03.12	91.5	2.5	8.1	W
		Near Kiln	06.03.12	69.4	2.5	9.1	W
11.	M/S Hills Cements Company Ltd., Mynkre.	Near CCR	21.03.12	115.3	4.3	19.4	A
		Near Cement Mill	21.03.12	206.9	6.4	26.2	A
		Near Guest House	22.03.12	202.2	2.8	19.6	A
12.	M/S Meghalaya Cements Ltd., Thangskai.	Near Guest House	28.03.12	82.3	3.3	12.2	W
		Near DG Set	29.03.12	245.5	5.6	16.3	A
		Near CCR	29.03.12	168.6	13.2	13.5	A

W - Within Permissible Limits

A - Above Permissible Limits

Table 5.3.2 : Stack monitoring data.

Sl. No.	Name of Sampling location	Date of Sampling	Type of Stack	Parameters tested	Observed value (mg/Nm ³)	Permissible limits (mg/Nm ³)	Remarks
1.	M/S Maithan Alloys, EPIP, Byrnihat.	14.06.11	Thermal Power Plant (ESP)	PM	159.5	50	A
		14.06.11	Submerged Arc Furnace	PM	170.3	50	A
2.	M/S Shyam Century Ferrous Ltd., EPIP, Byrnihat.	14.06.11	Thermal Power Plant (ESP)	PM	160.6	50	A
3.	M/S Meghalaya Steels Ltd., EPIP, Byrnihat.	13.07.11	Re-Heating furnace	PM	986.8	450.0	A

4.	M/s. Shree Sai Rolling Mills (P) Ltd.,Byrnihat.	02.11.11	Re-heating furnace	PM	1707.4	450.0	A
5.	M/s. Shree Sai Smelters (P) Ltd., Byrnihat.	02.11.11	Induction furnace	PM	207.5	150.0	A
6.	M/S Godreg Saralee Ltd.,Byrnihat.	02.11.11	Boiler (Hot water Generator)	PM	73.1	150.0	W
7.	M/S C M C L., Lumshnong.	11.01.12	Cooler	PM	31.6	50	W
		11.01.12	Kiln and Raw Mill	PM	27.2	50	W
		11.01.12	Coal mill	PM	46.2	50	W
		11.01.12	Packing house	PM	32.5	50	W
		12.01.12	Primary Crusher	PM	44.0	50	W
8.	M/S Megha Technical & Engineers (P) Ltd., Lumshnong.	12.01.12	Cement Mill	PM	32.0	50	W
9.	M/S Green Valley Industries (P) Ltd., Nongsning.	24.02.12	Coal mill	PM	33.6	50	W
		24.02.12	Cooler	PM	21.2	50	W
		24.02.12	Kiln and Raw Mill	PM	41.7	50	W
10.	M/S Jaintia Cements, Sutnga.	9.03.12	Kiln	PM	29.6	150	W
		9.03.12	Cement Mill	PM	36.8	150	W
		9.03.12	Raw Mill	PM	41.5	150	W
11.	M/S Hills Cements Company Ltd., Lumshnong.	24.03.12	Cement Mill	PM	34.6	50	W
		24.03.12	Kiln and Raw Mill	PM	22.8	50	W
		24.03.12	Cooler	PM	30.5	50	W
12.	M/S MCL, Lumshnong	29.03.12	Kiln and Raw Mill	PM	40.5	50	W
		29.03.12	Cooler	PM	34.8	50	W
		30.03.12	Coal mill	PM	43.6	50	W

W - Within Permissible Limits A - Above Permissible Limits

5.4 AIR QUALITY MONITORING DURING DIWALI FESTIVAL

Ambient Air Quality Data/Results:

The findings of the monitoring results indicated that the concentrations of SO₂ and NO_x at both the locations i.e. MUDA Complex, Police Bazar and Board's Premises, Lumpyngngad were found to be within the prescribed limits of National Ambient Air Quality Standards during Pre- Diwali, Diwali and Post- Diwali. However the concentration of PM₁₀ was found to be above the permissible limits during Diwali day at MUDA Complex, Police Bazar. Monitoring results are shown in Table 5.9 and depicted in Fig. 5.4.0 and 5.4.1.

Table 5.4.1 : Ambient Air Quality during Diwali Festival 2011

Parameter →	PM10($\mu\text{g}/\text{m}^3$)			SO ₂ ($\mu\text{g}/\text{m}^3$)			NO _x ($\mu\text{g}/\text{m}^3$)		
Monitoring Day	Pre-Diwali	Diwali day	Post - Diwali	Pre-Diwali	Diwali day	Post - Diwali	Pre-Diwali	Diwali day	Post - Diwali
Date →	20.10.11	26.10.11	01.11.11	20.10.11	26.10.11	01.11.11	20.10.11	26.10.11	01.11.11
Location ↓									
MUDA Complex, Police Bazar	94.6	152.4	90.7	6.7	7.0	3.5	9.0	17.7	10.7
Board's Premises, Lumpyngngad	46.6	57.4	47.0	2.0	2.0	2.0	4.5	4.5	4.5
National Ambient Air Quality Standards	100			80			80		

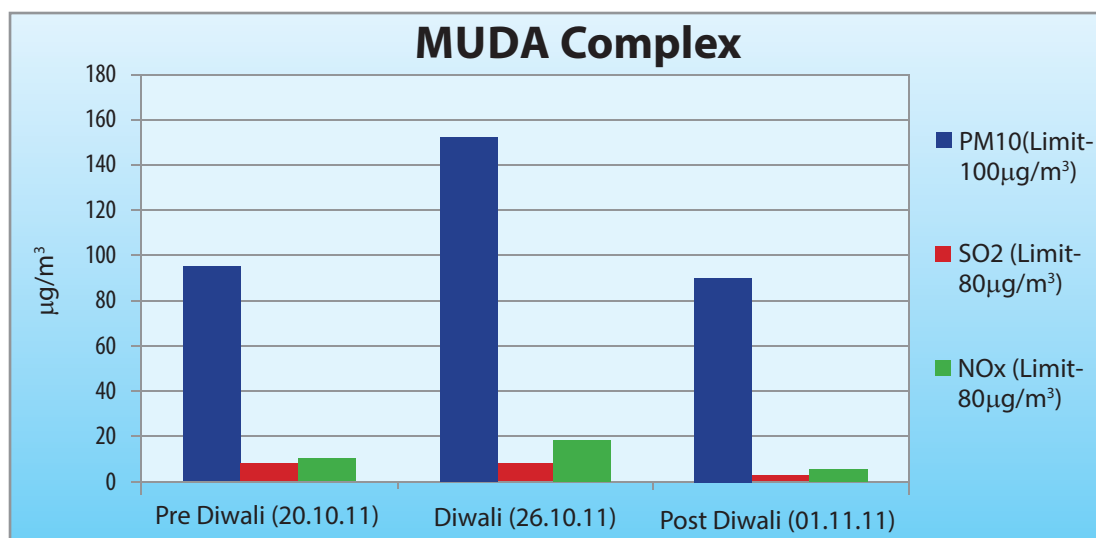


Fig. 5.4.0 Air quality at MUDA Complex , Police Bazar during Diwali festival.

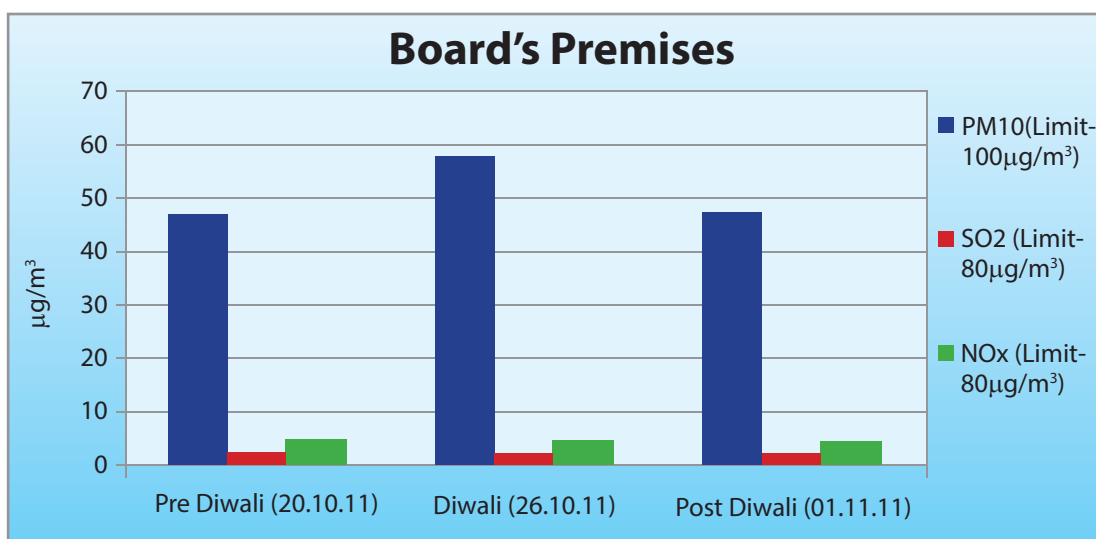


Fig. 5.4.1 Air quality at Board's Premises, Lumpyngngad during Diwali festival.

5.5 ASSESSMENT OF VEHICULAR POLLUTION

The Board has an Auto-emission-testing centre in its office premises at Lumpynggad, Shillong which has been functioning since January 1994. This Centre caters to the exhaust testing needs for the commercial and private light petrol and diesel driven 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 2011-2012, 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 of vehicles Non-complying to emission standards
01.04.2011 to 31.03.2012	Petrol-Driven LMV	2524	97.7%	2.3%
	Diesel-Driven LMV	722	96.2%	3.7%

5.6 NOISE LEVEL MONITORING

The Meghalaya State Pollution Control Board, Shillong, conducted Ambient Noise Level tests during the Diwali festival on the 20th (before Diwali) and the 26th (Diwali day) of October 2011. The monitoring was in pursuance to the Government of India’s Notification and the interim directions of the Hon’ble Supreme Court.

5.6.1 Study Area

The city selected for the above monitoring is Shillong, being the largest city and the capital of Meghalaya. The city is cosmopolitan, having a sizeable portion of its residents celebrating Diwali. The two locations selected in the city are Police Bazar (at the Meghalaya Urban Development Authority complex) and Lumpynggad (at the Meghalaya State Pollution Control Board’s premises).

5.6.2 Instrument used and methodology

The monitoring team was equipped with a Larson-Davis DSP 80 and a Lutron SL-4001 Sound Level Meters. The noise levels were measured in dB (A) i.e. the level of sound in decibels on scale – A, as per the human ear sensitivity requirements. The result was expressed in Lmin, Lmax and Leq, wherein Lmin indicates the minimum value of the sound level in decibels and Lmax the maximum value of sound level in decibels occurring during the single event and Leq denotes the A weighted energy mean of the noise level averaged over the measurement period.

The noise level was monitored for continuous 6 hours duration i.e. from 18:00 hours (i.e. 6:00 P.M.) to 24:00 hours (i.e. 12:00 P.M.) where Lmin, Lmax and Leq readings were recorded for every hourly interval. This was as per the Protocol specified by the CPCB, Delhi.

5.6.3 Findings

5.6.3.1 Location A (Lumpynggad)

As observed in the Table 5.6.3.1 for Location A (Lumpynggad), the monitored ambient noise level on a normal day (i.e. the 20th of October 2011) from 18:00 Hrs. (6:00 P.M.) to 22:00 Hrs. (10:00 P.M.) and from 22:00 Hrs. (10:00 P.M.) to 24:00 Hrs.(12:00 A.M.) is well within the standard limits of 55.0 dB (A) Leq for day and 45.0 dB(A) Leq for night time respectively.

On Diwali day (i.e. 26th of October 2011) however, it is observed that overall the average equivalent noise level (Leq) is comparatively higher than that on the normal day. As per the monitored observations, the timing between 18:00 Hrs. (6:00 P.M.) to 19:00 Hrs. (7:00 P.M.) and 21:00 Hrs. (9:00 P.M.) to 22:00 Hrs. (10:00P.M.) displays noise level above the daytime residential standard limits of 55.0 dB(A) Leq. The cause of such inflated noise level on Diwali day can only be attributed to the bursting of firecrackers and burning of sparklers etc. on the occasion.

Table 5.6.3.1 - Location A: Lumpynggad

Location: A	Normal Day			Deepavali Day		
	Lmin	Lmax	Leq dB(A)	Lmin	Lmax	Leq dB(A)
18:00 to 19:00 Hr.	44.5	58.2	46.7	48.3	79.3	56.6
19:00 to 20:00 Hr.	41.7	59.8	45.3	51.8	71.2	54.8
20:00 to 21:00 Hr.	41.0	53.4	42.3	49.1	74.4	54.0
21:00 to 22:00 Hr.	41.5	57.1	42.4	51.5	81.8	58.1
22:00 to 23:00 Hr.	40.5	54.4	43.5	41.2	63.4	47.0
23:00 to 24:00 Hr.	39.4	52.5	43.8	41.9	62.2	43.8

5.6.3.2 Location B (Police Bazar)

As observed in the Table 5.6.3.2 for Location B (Police Bazar), the noise level on a normal day (i.e. on the 20th of October 2011) is within the standard limits of 65.0 dB (A) Leq (daytime) for such timings as 18:00-19:00 Hrs., 19:00-20:00 Hrs. and 21:00-22:00 Hrs. However, it is above the same standards during such timings as 20:00-21:00 Hrs. Again during the time slot from 22:00 Hrs. (10:00 P.M.) to 23:00 Hrs. (11:00 P.M.) the noise level is slightly above the night time standard limit of 55.0 dB(A) Leq. The higher level of sound monitored is due mainly to vehicular noise including horn noise.

On Diwali day (i.e. the 26th of October 2011), it is observed that the overall average equivalent noise level (Leq) is comparatively higher than that on the normal day. For all timings between 18:00 Hrs. (6:00 P.M.) through to 24:00 Hrs. (12:00 midnight), the monitored sound level is above the standard limits of 65.0 dB(A) Leq for daytime (up to 22:00 Hrs.) and 55.0 dB(A) Leq for night time (from 22:00 Hrs. onwards). As noted from the Leq, Lmin and Lmax, it can be inferred that the cause for the higher ambient noise level on Diwali day can only be attributed to the bursting of firecrackers and burning of sparklers etc. on the occasion.

Table 5.6.3.2 - Location B: Police Bazar

Location: B	Normal Day			Deepavali Day		
	Lmin	Lmax	Leq dB(A)	Lmin	Lmax	Leq dB(A)
18:00 to 19:00 Hr.	54.6	59.4	58.4	60.9	74.5	61.9
19:00 to 20:00 Hr.	49.1	71.2	60.9	71.0	95.2	74.5
20:00 to 21:00 Hr.	51.2	80.2	65.4	60.0	92.0	71.2
21:00 to 22:00 Hr.	52.6	77.2	62.6	60.5	89.5	90.0
22:00 to 23:00 Hr.	50.3	79.3	55.9	65.5	95.0	97.2
23:00 to 24:00 Hr.	50.1	62.5	54.6	66.6	96.0	98.2

Therefore, from the above findings it is observed that bursting of crackers etc. contributes to the overall increase in the environment. The same will definitely have a mental and physiological affect on residents who are ‘compelled’ or ‘forced’ ‘listeners and hearers’ of the emitted sound. Besides this, there is an increase in the suspended particulate matters and chemicals etc. due to the bursting and burning of crackers, sparklers, etc. However, the ban on the sale or use of high sounding firecrackers [generating noise level exceeding 125 dB(AI) or 145 dB(C)pK] have gone a long way in reducing the level of noise emitted during celebration of the festival.

5.7 MONITORING OF WATER QUALITY

5.7.1 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 is as stated below

Table – 5.7.1 : 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	i. Field Observation: i. Weather, Colour & intensity, Odor, Visible effluent discharge, human. ii. Physico-chemical & bacteriological parameters:	Turbidity, Alkalinity, Total Hardness, NH3-N, Kjeldahl-N, Calcium, Magnesium,
2	Kyrhukhla river	Khliehriat		
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	Dissolved Oxygen , pH, Conductivity, Biological Oxygen Demand, Nitrate Nitrogen, Nitrite Nitrogen, Total Coliform and Fecal Coliform iii. Biomonitoring: Saprobity Index, Diversity Index	Potassium, Sodium, Sulphates, Phosphates, COD, As, Zn, Cu, Cr, Cd, Pb, Fe, Ni, Flouride
Ground Water				
9	Police Bazar spring	Shillong		
10	Mawpdang spring	Shillong		
11	Wah U Dkhar	Sohra		
12	Umsahep spring	Shangpung		
13	Narbong well	Byrnihat		

5.7.2 Water Quality of the monitored water bodies.

5.7.2.1 Physico-chemical & bacteriological parameters of Surface Water Quality

Umiam Lake: The level of the Dissolved Oxygen values is meeting the desired class throughout the year. The Biochemical Oxygen Demand value is above 3 mg/l which is found to be above the desired limit, ranging from 2.5 to 12.0 mg/l. The organic pollution examined in terms of Biochemical Oxygen Demand & Coliform Count indicates the extent of water quality degradation. Similarly, Total and Faecal Coliform which indicate presence of pathogens in water are also of major concern. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform of the monitoring station is depicted below.

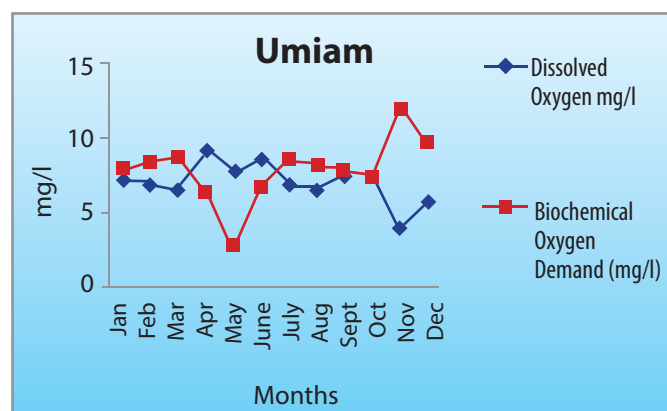


Fig 5.7.2.0 :
Concentration of Dissolved Oxygen and
Bio-Chemical Oxygen Demand of Umiam Lake

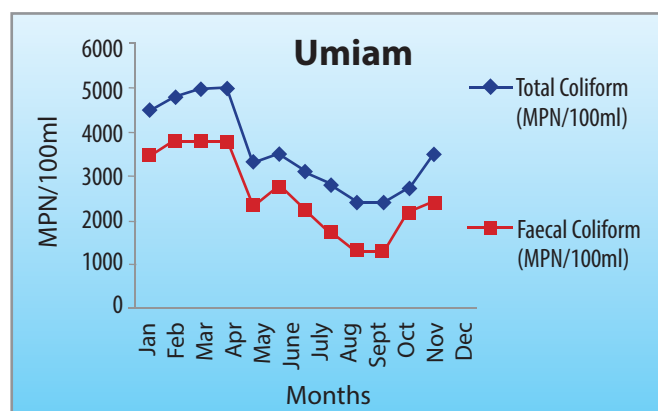


Fig 5.7.2.1:
Bacterial Count (Total & Faecal Coliform) of Umiam Lake

Ward's Lake: The monitoring results obtained during the year 2011 revealed that the level of the Dissolved Oxygen values is meeting the desired class throughout the year and it range from 6.2 to 8.0 mg/l. The Biochemical Oxygen Demand value ranged from 5.5 to 9.0 mg/l which is found to be above the desired limit of 3 mg/l. The monitoring data results indicate that the organic and bacterial contaminations are the main critical pollutant in the water body. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented below.

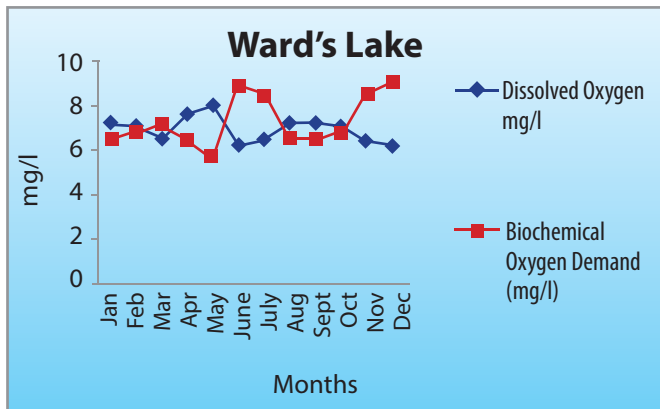


Fig 5.7.2.2:
Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Ward's Lake

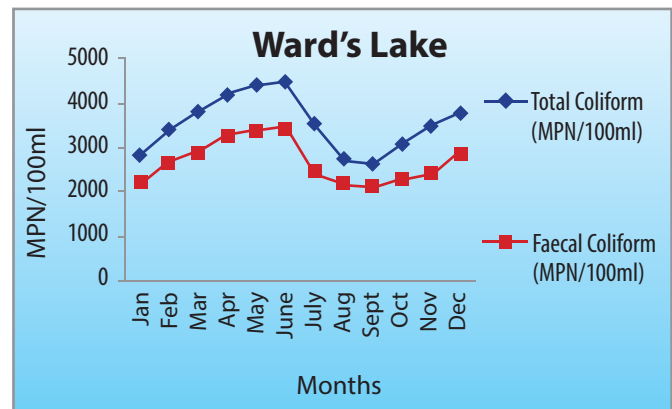


Fig 5.7.2.3:
Bacterial Count (Total & Faecal Coliform) of Ward's Lake

Umtrew River: In the year 2011, the level of the Dissolved Oxygen values is meeting the desired class throughout the year and it range is from 5.6 to 9.6 mg/l. The Biochemical Oxygen Demand value ranged from 5.0 to 8.8 mg/l which is found to be above the desired limit (3 mg/l). The water quality with respect to Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented in figure below.

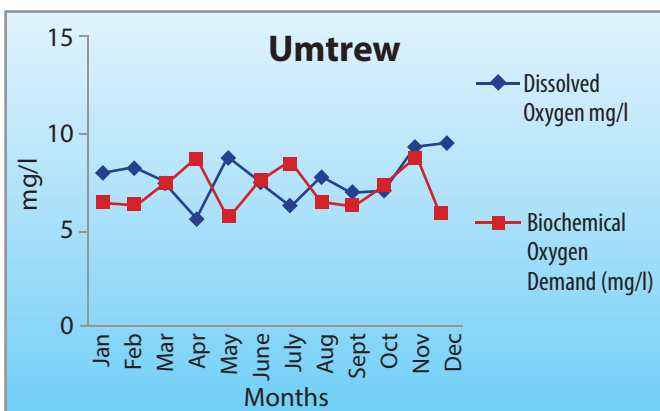


Fig 5.7.2.4:
Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Umtrew River

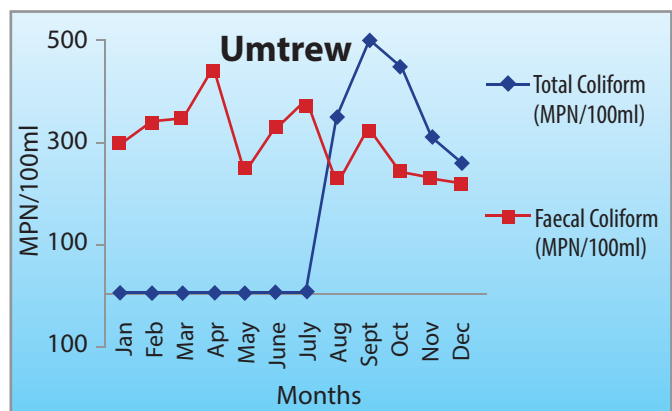


Fig 5.7.2.5:
Bacterial Count (Total & Faecal Coliform) of Umtrew River

Kyrhuhkhla: The monitoring result in the year 2011 revealed that the pH value was found to be as low as 2.5. The Biochemical Oxygen Demand value was found to be above the limit for the desired class and ranges from 5.0 to 7.5 mg/l. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented below.

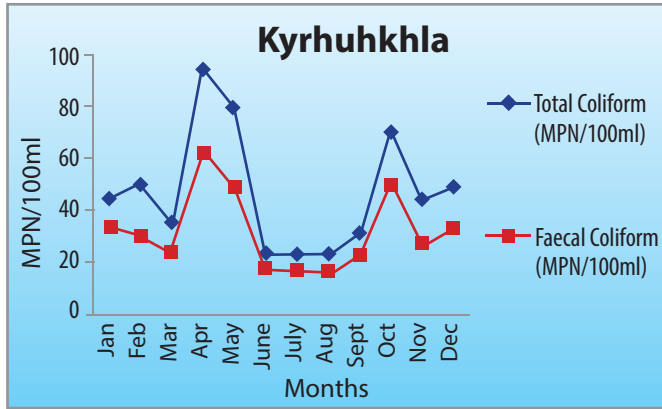


Fig 5.7.2.6:

Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Kyrhuhkhla River

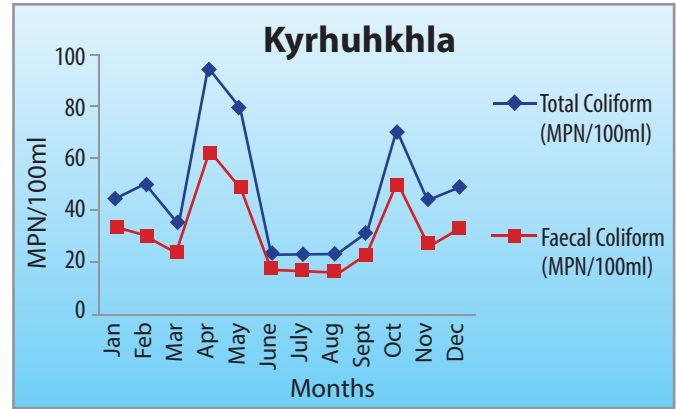


Fig. 5.7.2.7:

Bacterial Count (Total & Faecal Coliform) of Kyrhuhkhla River

Thadlaskein Lake: The monitoring results indicated that the Dissolved Oxygen is meeting the desired class through out the year. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented below.

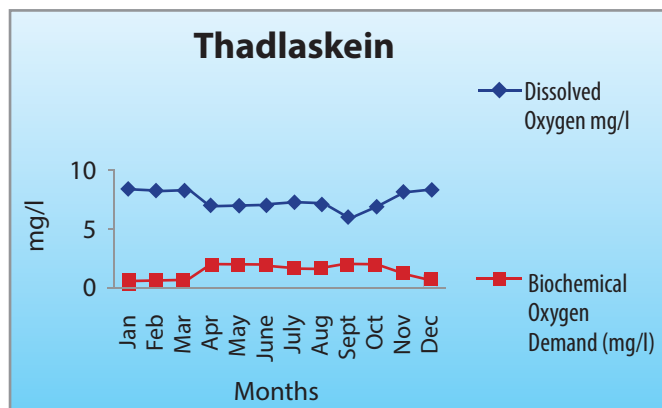


Fig 5.7.2.8.:

Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Thadlaskein Lake

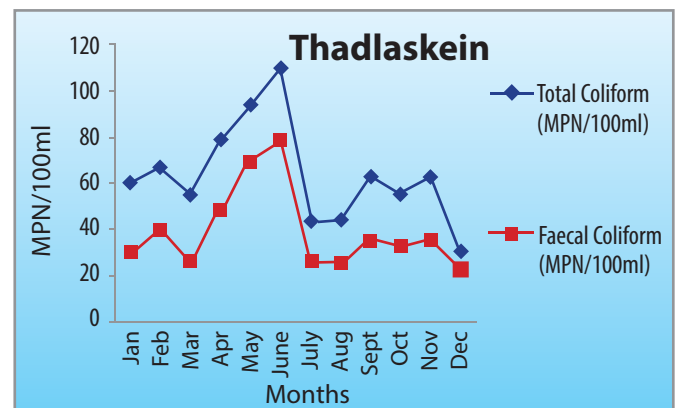


Fig 5.7.2.9:

Bacterial Count (Total & Faecal Coliform) of Thadlaskein Lake

Myntdu River: The monitoring results reveal the presence of Total and Faecal Coliform. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are depicted in figures below.

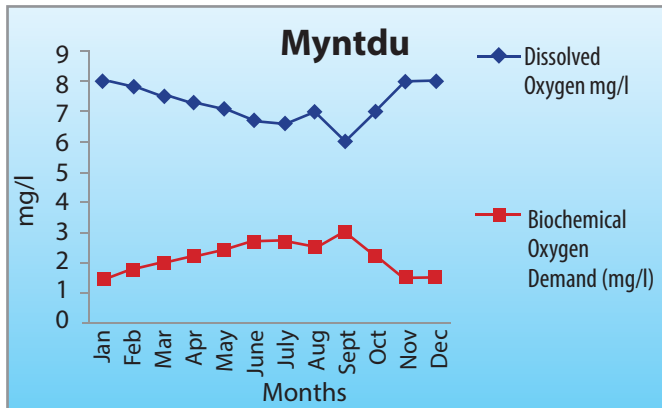


Fig 5.7.2.10:

Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Myntdu River

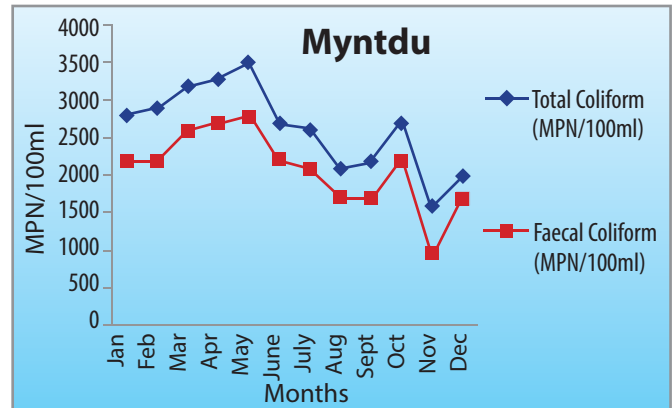


Fig 5.7.2.11:

Bacterial Count (Total & Faecal Coliform) of Myntdu River

Ganol River: The monitoring results show the contamination of water body by Total & Faecal Coliform. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are depicted in figures below.

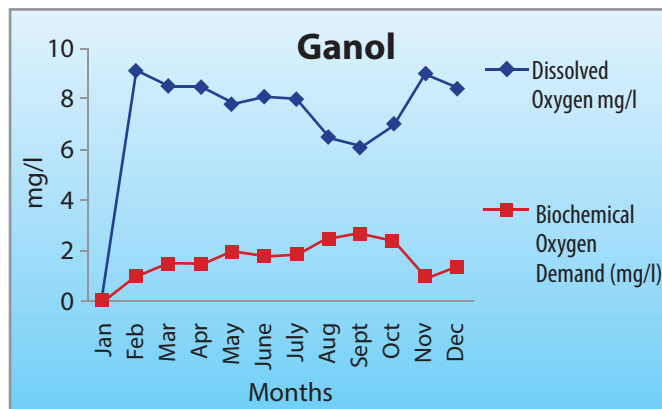


Fig 5.7.2.12:

Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Ganol River

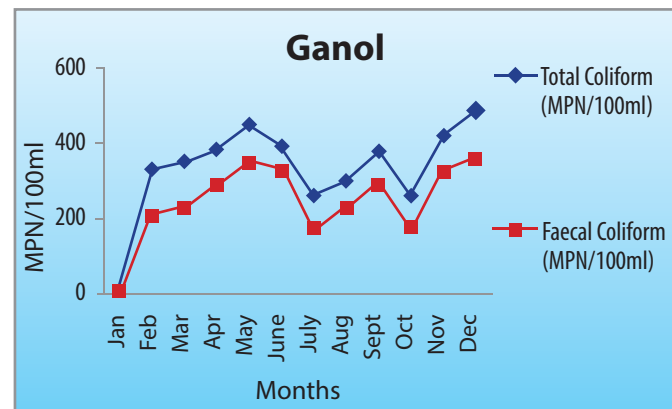


Fig 5.7.2.13 :

Bacterial Count (Total & Faecal Coliform) of Ganol River

Simsang River: The monitoring results show the presence of Bacterial Count ranging from 280mpn/100ml-460mpn/100ml for Total Coliform and 170mpn/100ml-330mpn/100ml for Faecal coliform. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are depicted in figures below.

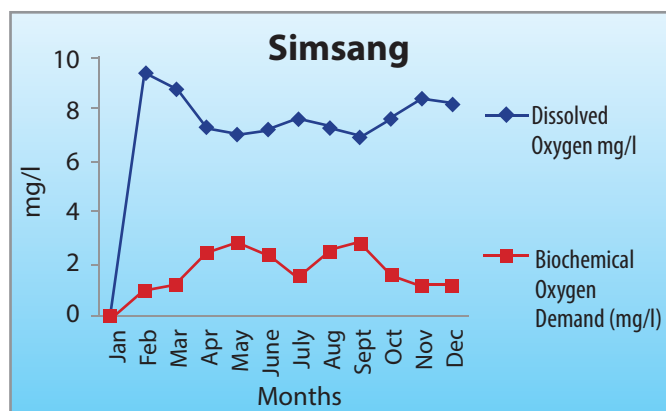


Fig 5.7.2.14:

Concentration of Dissolved Oxygen and Bio-Chemical Oxygen Demand of Simsang River

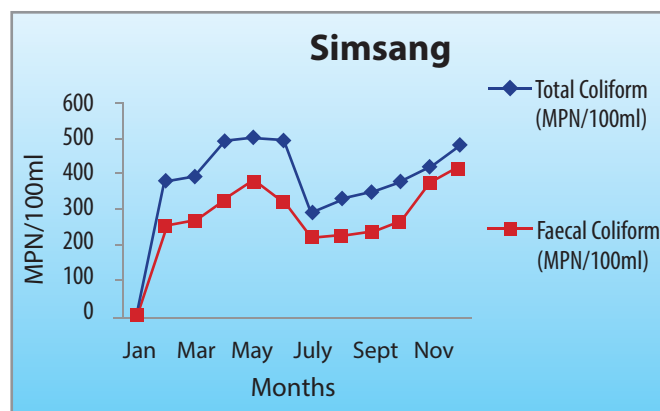


Fig 5.7.2.15 :

Bacterial Count (Total & Faecal Coliform) of Simsang River

5.7.3 Physico-chemical & bacteriological parameters of Ground Water Quality:

The monitoring results revealed the presence of Total Coliform. Presence of Coliform in all monitored ground waterbody indicate the possibility of ground water contamination. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are presented in Table below:

Table – 5.7.3.1 Ground water quality monitoring during 2011-2012

Stations	April 2011			October 2011		
	D.O mg/l	B.O.D mg/l	T.C mpn/100ml	D.O mg/l	B.O.D mg/l	T.C mpn/100ml
Police Bazar Spring, Shillong	4.7	2.4	50	3.2	2.8	94
Mawpdang Spring, Shillong	1.5	4.0	70	1.2	4.4	110
Wah-U-Dkhar Spring, Sohra	6.9	0.22	21	6.6	0.3	31
Umsahep Spring, Shangpong	7.6	1.0	20	7.8	0.8	23
Narbong Well, Byrnihat	3.5	1.4	43	5.0	1.0	35

Table – 5.7.3.2 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.

5.8 Analysis Of Water Samples Received From Government Private Agencies

In addition to the regular programme, the Board is also engaged for analysis of water samples etc. received from government departments, private agencies and research scholars. A total of 389 samples were tested during the year.

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. However, In the recent past, the growth of industries in the State has increased to a certain extent from small scale stone crushing unit to large scale cement industries which gave rise to the impact of the ecological imbalance in the State and 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.

The Board has identified 1384 polluting industrial units/establishments in the State and most of these are small and tiny units. Under large-scale industrial sector there are 12 cement plants, which also falls under the 17 categories of highly polluting industries. The others are medium and small-scale industries such as Power Plants lime calcination plants, ingot manufacturing and steel rolling mills, Ferro alloys manufacturing unit, stone crushing units, auto workshops, auto servicing units, D.G. Sets etc. Most of the lime calcination units are coal – fired and kilns are of traditional types (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 2011-2012, the Board received 71 nos., 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, 111 nos., were granted Consent to Establish.

The names of industries/firms which applied for Consent to Establish During the year 2011-2012 are as given at Annexure-4. Those industries that were granted Consent to Establish and its Renewal during the year are indicated at Annexure-4(A) and Annexure-4(B) respectively. The industries which were granted Consent to Operate is shown at Annexure-5.

7 ENVIRONMENTAL RESEARCH

During the year 2011-2012, the Board continued with the following study projects:-

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

The study work is still continuing during the current year.

B. Bio-Monitoring of Rivers in Meghalaya

The aim of the study is to obtain information about the state of ecological environment of water bodies, to assess the physic-chemical and bacteriological characteristics, to generate base line data on the aspects of bio-monitoring, and to plan control strategies for restoration of the pristine water quality of the water bodies. Final report is under preparation.

C. Ambient Air Quality Monitoring at Export Promotion Industrial Park (EPIP), Byrnihat

The objective of the study is to determine the status and trends of ambient air quality, to ascertain whether the Ambient Air Quality of the area meets the prescribed standards, and to plan strategies for effective control of air pollution. The study work is continuing during the current year.

D. Assessment of Noise in Major Cities/Towns in the State

Under this study the ambient noise level quality at certain selected locations within the cities/towns of Shillong, Tura, Jowai, Nongstoin and Nongpoh is monitored for assessing the level at those areas. The aim of the study is to:

- (i) Get a represented scenario of the noise levels.
- (ii) Plan strategies to effective control of noise.

The study work is still continuing under the current year.

E. Assessment of Ground water quality and Ambient Air quality around Municipal Solid Waste Landfills

The objective of the study is to monitor the water quality of ground and surface water bodies located near the landfill site, to monitor the Ambient Air quality at the landfill and the vicinity. To monitor the quality of compost produced from the waste processing plant and the leachate generated during the decomposition of original matter. Final report is under preparation.

8 ENVIRONMENTAL TRAINING

Environmental Training is one of the important tools in the administrative system of the Board. The personnel of the Board who had undergone different trainings within the country as well as overseas have acquired knowledge, skills, concepts, rules, and enhanced the capacity building in the Board. The personnel of the Board are also invited as experts for delivering lectures and presentations on various environmental issues by reputed institutes/organizations in the state. The Environmental Training attended by the Board's officials during the year 2011-2012 is shown in the following table.

Environmental Training Attended by the Board's Officials				
Name of the Official	Designation	Place of Training	Name of the Training	Date of Training
Shri S. Syiem	Asstt. Env. Engineer	Delhi	Workshop on capacity building for emission measurement in India	8-9 February 2012
Shri M.N. Warbah	Junior Scientific Asstt	Delhi	Workshop on capacity building for emission measurement in India	8-9 February 2012

9 ENVIRONMENTAL AWARENESS & PUBLIC PARTICIPATION

9.1 World Environment Day

On the occasion of World Environment Day 2011, the Meghalaya State Pollution Control Board organized a Free Vehicular Emission Testing Camp on 4th June 2011 at Additional Secretariat Parking Lot for petrol and diesel vehicles.

A total of 133 nos. of petrol driven vehicles and 50 nos. of diesel driven vehicles were tested (Annexure I & II). It was observed that out of 133 nos. of petrol driven vehicles tested 13.5% of petrol driven vehicles do not comply to the standard prescribed limits, whereas, out of 50 nos. of diesel vehicles tested 26% is the percentage not complying to the standard limits. The vehicle complying within the emission prescribed standards, were issued a “Green Certificate” with a validity of 6 months whereas the vehicles not complying to those prescribed standards were issued a “Red Certificate” and the vehicle owner has been advised to resubmit the vehicle after the same is repaired and serviced.



Emission testing for diesel driven vehicle



Emission testing for petrol driven vehicle

9.2 One –Day Workshop on Pollution Control and Waste Management

The Workshop was organized on 18th October 2011 at Don Bosco College Tura, West Garo Hills District. The objective of the Workshop was to create awareness among the general public about pollution related issues and waste management methods. The programme was carried out by means of lecture, demonstrations, slide presentations and interactive sessions. The Resource Persons who gave lectures at the Programme were Dr Mantu A Sangma, Superintendent, Tura Civil Hospital, Prof. U.R.Dutta, Secretary, Meghalaya Science Society, Tura, Shri S.Swer, Scientist B, and Shri W.R.Kharkrang, Environmental Engineer, Meghalaya State Pollution Control Board.



The Board's official Shri W.R. Kharkrang, delivering a speech during the One Day Workshop on Pollution Control and Waste Management organized by Meghalaya State Pollution Control Board at Donbosco College, Tura, West Garo Hills District



The participants interacting during the One Day Workshop on Pollution Control and Waste Management organized by Meghalaya State Pollution Control Board at Donbosco College, Tura, West Garo Hills District

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 Bureau of Indian Standards. The Board is maintaining the enforcement Schedule prescribed by the Central pollution Control Board and Ministry of Environment and Forests, Government of India in respect of 17 categories of industries. However, in case of other industries, it has its own enforcement schedule, which is specified at the time of granting of “Consent to Establish” and “Consent to operate”.

11 OTHER ACTIVITIES OF THE BOARD

In addition to the main functions of the Board enumerated in the Water (Prevention and control of Pollution) 1974 and the Air (Prevention and Control of Pollution) Act, 1981 the Board also carries out the functions and activities under the Environmental (Protection) Act, 1986. The functions and activities carried out by the Board under Environmental (Protection) Act, 1986 are as follows:

11.1 Under the Hazardous Waste (Management Handling & Transboundary Movement) Rules, 2008, the Board;

- 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 conduct of Environmental Impact studies.
- Monitoring of facilities/infrastructure/technical capabilities in hazardous wastes handling units.

Application for Authorisation: The Board received the following application for Authorisation under Hazardous Waste (Management Handling & Transboundary Movement) Rules, 2008 from the following Units:-

1. M/s Green Valley Industries Limited
2. M/s Adhunik Cement Limited
3. M/s Hindustan Coca Cola Beverage Pvt. Ltd
4. M/s Virgo Cements Ltd
5. M/s Megha Technical & Engineers Pvt. Ltd.
6. M/s Pioneer Carbide (P) Ltd
7. M/s Cement Manufacturing Company Ltd.

Authorisation Granted Under The Rules : During the year 2011-2012 the Board Granted the Authorisation under the Hazardous Waste (Management Handling & Transboundary Movement) Rules, 2008 to the following Units:

- 1) M/s Green Valley Industries Limited Granted On 24th -Jan-2012
- 2) M/s Adhunik Cement Limited Granted On 24th -Jan-2012
- 3) M/s Hindustan Coca Cola Beverage Pvt. Ltd Granted On 1st -June -2011
- 4) M/s Virgo Cements Ltd Granted On 12th -July-2011

- 5) M/s Megha Technical & Engineers Pvt. Ltd. Granted On 24th -Jan -2012
- 6) M/s Pioneer Carbide (P) Ltd Granted On 24th – Aug-2011
- 7) M/s Cement Manufacturing Company Ltd Granted On 11th – Aug.2011

Authorisation Renewal : During the year 2011-2012 the Board granted the Renewal for Authorisation under Hazardous Waste Management & Handling Rules,1989 to the following units:

- 1) M/S Jaintia Cement Ltd Renewal Issued on 30th June 2011
- 2) M/S Shyam Century Ferrous Renewal Issued on 6th Jan -2012
- 3) M/S Commercial Iron & Steel Co.(P) Ltd Renewal Issued on 6th Jan -2012

11.2 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.

Status of Bio-Medical Waste in the State for the year 2011-2012:-

1. The total number of Health Care Facilities in the state is 698
2. There are 5719 numbers of beds in the hospitals of the state.
3. The Total number of Bedded Hospitals is 169. Non-Bedded Hospitals (Dispensary/Sub-centers) is 439 numbers. While Veterinary Hospitals/Research Organisations/Clinics/Diagnostic Centres,Pathological Labs, etc., account for 90 numbers.
4. 27 numbers HCFs are utilizing Common Bio-Medical Waste Incinerator installed at Mawiong,Shillong by Shillong Municipal Board.
6. The total quantity of BMW generated per day is estimated at 679.10 Kgs.

11.3 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.

Status of Municipal Solid Waste in the state for the year 2011 – 2012 are:-

1. The total number of Municipal Authorities in the State is 7
2. Number of towns in the state is 16 (as per Census 2001).
3. The total number of Application received from Urban Local Bodies (ULBs) is 4 (four)and Authorisation granted is 2(two) while 2 (two) is under process.
4. Presently there is 1 (one) Vermicompost and 1(one) mechanical compost plant operating in the State.
5. There are 5(five) open dumping sites in the State while 1(one) landfill site has been identified.
6. There are no Waste-to-Energy projects so far.

11.4 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.

During the year 2011-2012 there is no assembler, manufacturer, re-cycler or importer of lead acid batteries in the state. However, the Board has identified 33(thirty three) dealers and 82(eighty two) bulk consumers/auctioneers of lead acid batteries. These include State and Central Govt. offices/establishments, Military/Para-military establishments, State Transport Corporations, Health Care Facilities, University, Industries and Companies in the state.

11.5 Plastic Waste (Management & Handling) Rules, 2011

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 circulated to all Cement Plants operating in Meghalaya about the use of plastic wastes as co-fuel in Cement Plants as instructed by the CPCB and as tested in Madhya Pradesh.

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

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

During the year 2011-2012 the total amount of Cess assessment is Rs 612537/- (Rupees six lakhs twelve thousand five hundred thirty seven) only and Cess collection is Rs. 254313/- (Rupees two lakhs fifty four thousand three hundred thirteen) The Cess collection is less to assessment in view of the fact that the local authorities' viz. SMB & GHADC and MeSEB 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.

11.7 Public Hearing

During the year 2011-2012 the Board has conducted the following Public Hearing in the state.

1.	NAME OF INDUSTRY	Adhunik Cements Ltd
	PROJECT TYPE	Limestone Mining
	LOCATION	Thangskai, East Jaintia Hills
	DATE OF HEARING	27.04.2011
	LOCATION OF HEARING	Thangskai, East Jaintia Hills
	STATUS	Environmental Clearance yet to be accorded by the Ministry of Environment & Forests

2.	NAME OF INDUSTRY	Cements Manufacturing Co. Ltd
	PROJECT TYPE	Limestone Mining
	LOCATION	Lumshnong, East Jaintia Hills
	DATE OF HEARING	23.03.2012
	LOCATION OF HEARING	Lumshnong, East Jaintia Hills
	STATUS	Environmental Clearance yet to be accorded by the Ministry of Environment & Forests

3.	NAME OF INDUSTRY	Meghalaya Ferrous Ltd
	PROJECT TYPE	Ferro Alloy and Captive Power Plant
	LOCATION	Porla village, West Khasi Hills
	DATE OF HEARING	11.05.2011
	LOCATION OF HEARING	Porla village, West Khasi Hills
	STATUS	Environmental Clearance has been granted by the Ministry of Environment & Forests

4.	NAME OF INDUSTRY	Meghalaya Power Ltd
	PROJECT TYPE	Thermal Power Plant
	LOCATION	Lumshnong, East Jaintia Hills District
	DATE OF HEARING	07.01.2011
	LOCATION OF HEARING	Lumshnong, East Jaintia Hills District
	STATUS	Environmental Clearance has been granted by the Ministry of Environment & Forests

12

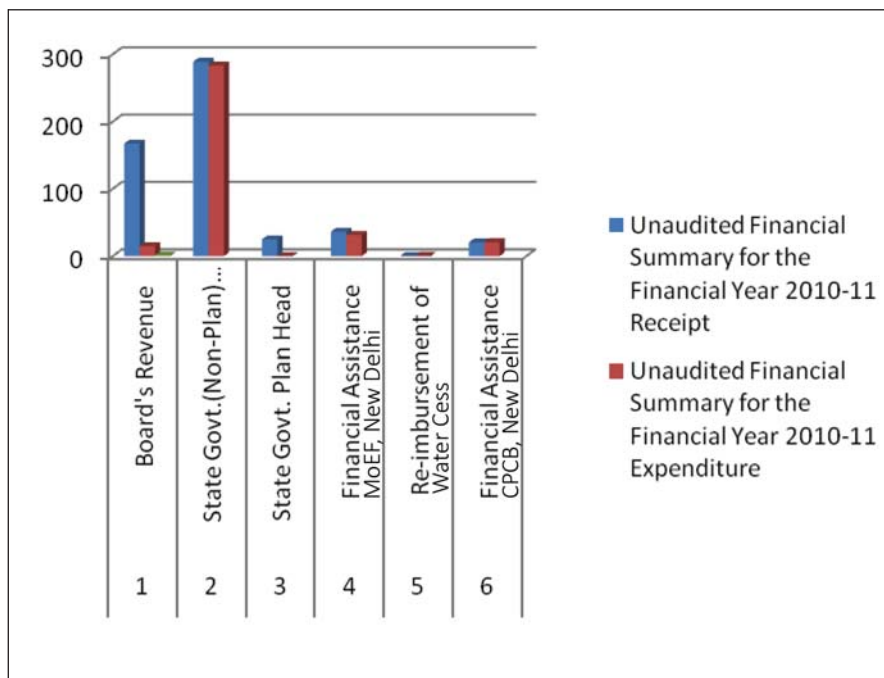
FINANCIAL SUMMARY

The unaudited financial summary for the financial year 2011-12 reveals that during the said period, the State Board received a total amount of Rs.537.85 Lakhs and total expenditure is Rs. 350.58 Lakhs. The State Board earned its total revenue from different industrial units in Meghalaya on account of Consent Fees, Sale of Forms, Authorization fees Biomedical/Hazardous Waste, Vehicle Emission Test, Water Sample Analysis etc. and also Water Cess Re-imburement, Non-Plan Grants from State Government is utilized for payment of Pay and Allowances to the Officers and Staff. Plan Grants is received from State Government for various development activities. Grants and financial assistance is received from Ministry of Environment and Forest and Central Pollution Control Board, New Delhi for different projects and schemes.

The financial summary of the Board during the year 2011-2012 is as shown in the table below:

Status of Unaudited Financial Summary for the Financial Year 2011-12			
Sl.No	Head of Accounts	Amount (in Rs.Lakh)	
		Receipt	Expenditure
1.	i. (Boards Revenue) Consent Fees ,Sale of Forms, Authorization fees Biomedical/Hazardous Waste, Vehicle Emission Test, Water Sample Analysis etc.	152.66	14.77
	ii. Bank interest	14.66	
	Sub Total (i to ii)	167.32	14.77
2.	State Govt.(Non-Plan) Head		
	Grant from State Govt.(Non-Plan) for Pay & Allowances	288.76	283.09
3.	State Govt. Plan Head		
	Grant from State Govt.(Plan)	25.00	0.09
4.	M.O.E.F./C.P.C.B., New Delhi		
	i. Grant, Financial Assistance from Ministry of Environment & Forests , New Delhi	36.42	31.54
	ii. Re-imburement of Water Cess	0.00	0.36
	iii. Grant, Financial Assistance from Central Pollution Control Board, New Delhi	20.35	20.73
	Sub Total (i to iii)	56.77	52.63
5	Total	537.85	350.58

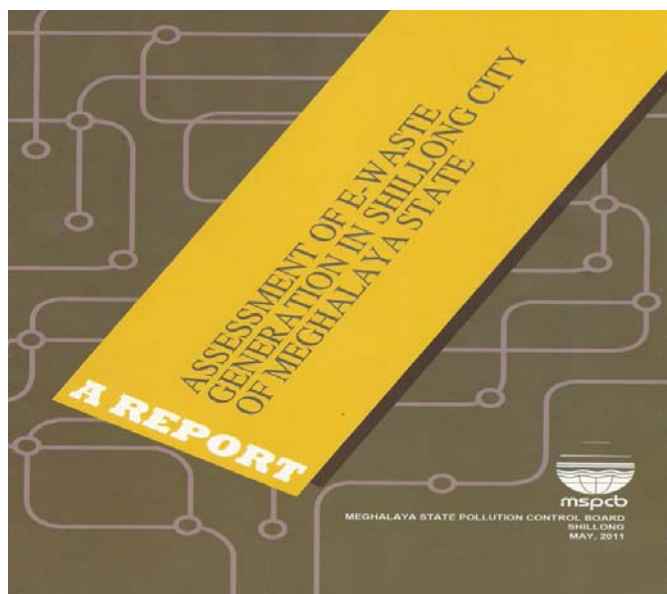
Fig 13.1 Receipts and Expenditure during the year 2011-2012



During the financial year 2011-2012 the Total Receipt of the Board is Rs. 537.85 Lakhs and the total expenditure is 350.58 lakhs. The receipts from Boards revenue is Rs. 152.66 lakhs and the expenditure is Rs. 14.77 lakhs. Receipt on Bank Interest is Rs. 14.66 lakhs. Receipt from the State government (Non-Plan) Head is Rs. 288.76 lakhs and expenditure is Rs. 283.09 lakhs . Receipt from State Government Plan head is Rs. 25.00 lakhs and the expenditure is Rs. 0.09 lakhs. Financial Assistance from Ministry of Environment & Forests, New Delhi is Rs. 36.42 lakhs and the expenditure is Rs. 31.54 lakhs. Receipt from the Central Pollution Control Board, New Delhi is Rs. 20.35 lakhs and the expenditure is Rs. 20.73 lakhs. The water cess re-imbursment from the the Ministry of Environment and Forests, New Delhi is Nil and the expenditure is Rs. 0.36 lakhs.

13 PUBLICATIONS OF THE BOARD

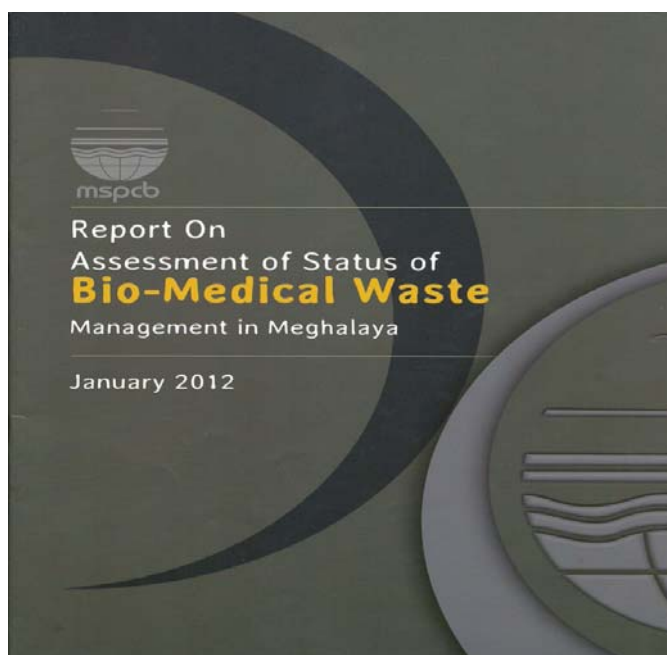
During the year 2011-2012 the Meghalaya State Pollution Control Board brought out the following publications:



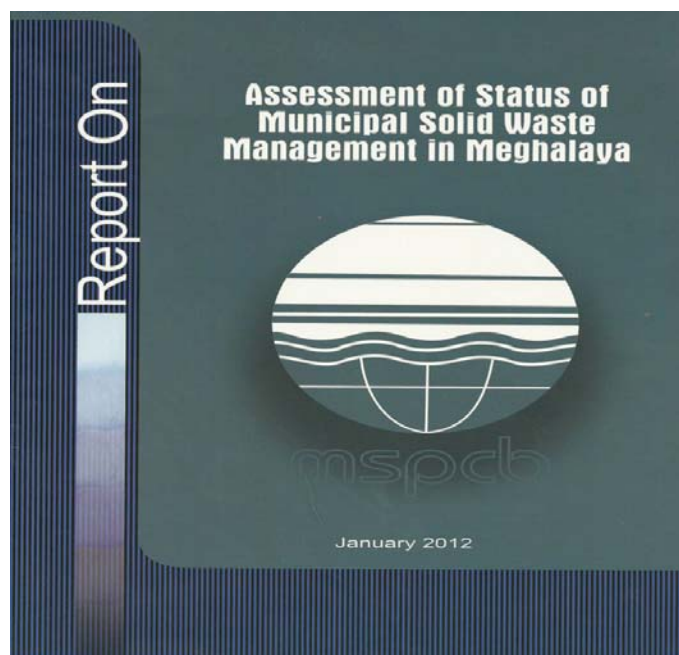
A Report on Assessment of E-Waste generation in Shillong city of Meghalaya state.



A Report on Assessment of Batteries Waste in Shillong city of Meghalaya State.



A Report on Assessment of Status of Bio-Medical Waste management in Meghalaya



A Report on Assessment of Status of Municipal Solid Waste management in Meghalaya

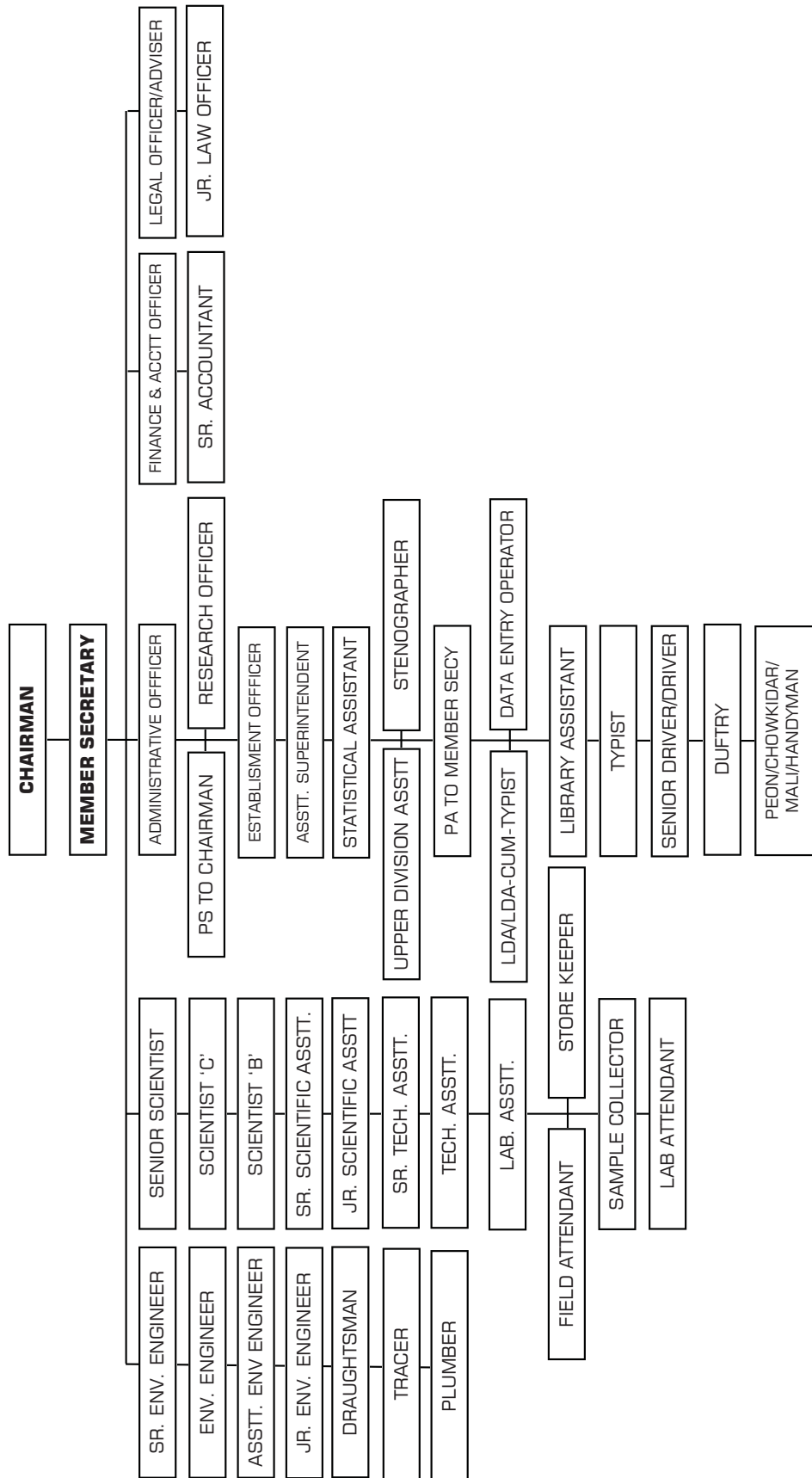
ANNEXURE-1
**STAFF POSITION OF THE MEGHALAYA STATE POLLUTION
CONTROL BOARD UP TO 31st MARCH 2012**

Sl No	Name Of The Post	Sanctioned Strength	Working Strength	Vacancy
Establishment				
1.	Administrative Officer	1	-	1
2.	Private Secretary To Chairman	1	-	1
3.	Research Officer (Eco & Stat)	1	-	1
4.	Establishment Officer	1	1	-
5.	Asstt. Superintendent	1	1	-
6.	Statistical Asstt.	1	-	1
7.	Stenographer	1	1	-
8.	Upper Divisional Asstt.	4	4	-
9.	P.A To Member Secretary	1	-	1
10.	L.D.Asstt./ LDA-Cum-Typist	12	4	8
11.	Data Entry Operator	2	2	-
12.	Typist	4	2	2
13.	Library Asstt.	1	-	1
14.	Senior Driver/ Driver	10	4	6
15.	Peon	19	12	7
16.	Mali	1	-	1
17.	Duftry	1	1	-
18.	Handy Man	1	-	1
19.	Chowkidar	3	2	1

Law				
1.	Legal Officer/Adviser	1	-	1
2.	Junior Law Officer	1	1	-
Accounts				
1.	Finance & Accounts Officer	1	-	1
2.	Senior Accountant	1	1	-
3.	Junior Accountant	2	2	-
Engineering				
1.	Senior Environmental Engineer	1	1	-
2.	Environmental Engineer	2	2	-
3.	Asstt.Environmental Engineer	5	3	2
4.	Junior Environmental Engineer	1	1	-
5.	Senior Draftsman	1	-	1
6.	Tracer	1	1	-
7.	Plumber	1	1	-
Laboratory				
1.	Senior Scientist	1	1	-
2.	Scientist-C	2	1	1
3.	Scientist-B	3	1	2
4.	Senior Scientific Asstt.	3	-	3
5.	Junior Scientific Asstt Gd I/II	7	4	3
6.	Senior Technical Asstt.	1	1	-
7.	Technical Asstt.	2	-	2
8.	Laboratory Asstt.	4	4	-
9.	Store Keeper	1	1	-
10.	Field Attendant	1	-	1
11.	Sample Collector	10	4	6
12.	Lab. Attendant	4	2	2
Total		123	66	57

ANNEXURE-2

ORGANISATIONAL CHART OF THE BOARD



ANNEXURE-3

MEMBERS OF THE BOARD

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

OFFICIAL MEMBERS

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

MEMBERS FROM LOCAL AUTHORITIES

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

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

MEMBERS OF THE CONSENT COMMITTEE

1. Chairman : Chairman
Meghalaya State Pollution Control Board, Shillong.
2. Senior Inspector of Boilers & Factories, : Member
Inspectorate of Boilers & Factories,
Meghalaya, Shillong.
3. Conservator of Forests, : Member
Meghalaya, Shillong.
4. Deputy Director, : Member
Directorate of Industries,
Meghalaya, Shillong.
5. Director of Mineral Resources, : Member
Meghalaya, Shillong.
6. Member Secretary, : Member Convener
Meghalaya State Pollution Control Board, Shillong.

ANNEXURE-4

INDUSTRIES APPLIED CONSENT TO ESTABLISH DURING 2011-2012

Sl. No.	Name of Industry / Unit	Location of Industry	Date of Application	Type of Industry
1.	Meghalaya Power Limited	Lumshnong, P.O. Khliehriat, East Jaintia Hills District	16.06.2011	Power Plant
2.	Bethany Hospital	Nongrim Hills, Shillong	22.06.2011	Hospital
3.	Rubina Enterprise	Augnagra, West Garo Hills	23.05.2011	Stone Crusher
4.	Shyam Food	Umlangpur, Killing, Ribhoi District	02.05.2011	Food Processing (Bakery & Confectionary)
5.	Peter Brick Industry	Addhangiri, West Garo Hills District	23.05.2011	Brick Industry
6.	Roberson Kurbah Stone Crusher	Mawmaram, East Khasi Hills	03.06.2011	Stone Crusher
7.	NTL Steels	EPIP, Byrnihat, Ribhoi District	03.05.2011	Steel Pole/Steel Structures
8.	Rikmethira D. Sangma Brick making Unit	Selsella Agipengre, West Garo Hills District	02.08.2011	Brick Industry
9.	Aity's Bakery	Nongkhyriem, Nongthymmai, Shillong, East Khasi Hills	16.08.2011	Bakery Unit
10.	Welfit Automobile	Pohkse, Shillong, East Khasi Hills District	14.04.2011	Motor Vehicle Workshop
11.	Green Power Solutions	Baridua, Raid Marwet, Ribhoi District	06.04.2011	DG Set Manufacturing Unit
12.	Riangdo Veneers (P Ltd)	Umiam Industrial Area, Ribhoi District	11.05.2011	Veneers/Block board/ Board Frame
13.	W.L. Nongbri Servicing Centre	Kynton-U-Mon, Laitkor, East Khasi Hills	20.07.2011	Car Servicing Center
14.	R.B's Bakery	Khyndailad, Shillong, East Khasi Hills District	29.07.2011	Bakery Unit
15.	Alloyius Areng Pet Bottle Manufacturing & Blowing Unit	Siejdohwieh, Nongrah, Umroi, Ribhoi District	29.08.2011	Pet Bottle Manufacturing Unit
16.	Bharti Infratel Ltd	5th Mile Nongthymmai, Byrnihat	06.06.2011	DG Set
17.	Bharti Infratel Ltd	Umsning, Ribhoi district	06.06.2011	DG Set
18.	BSC-C&C JV	Suangre, Shallang, West Khasi Hills District	05.08.2011	Hot Mix Plant and Stone Crusher
19.	Umtru Enterprise	Lower Ballian, Byrnihat, Ribhoi District	29.07.2011	Plastic Waste Reprocessing Unit

20.	Planmiki Siangshai Stone Crusher	Ummulong, Jaintia Hills District	14.07.2011	Stone Crusher
21.	Bharti Infratel Ltd	Sohkymphor, Moosiang and Byndihati – Jaintia Hills District	06.06.2011	DG Set
22.	Meghalaya Stone Breaker & Crusher Automatic Plant	Bahenodi, Raid Marwet, Ribhoi District	16.11.2011	Stone Crusher
23.	RSM Stone Crusher	Mawrong, Umsning, Ribhoi District	20.09.2011	Stone Crusher
24.	Kharkongor Automobile	Pohkseh, Shillong, East Khasi Hills	14.04.2011	Automobile workshop
25.	Meghalaya Fuels	Sutnga, Jaintia Hills District	22.09.2011	Coke Manufacturing Unit
26.	K.L. Stone	Umduba, Killing, Ribhoi District	06.08.2011	Stone Chips Making Unit
27.	Urlong Tea	Mawlyngngot Village, East Khasi Hills	26.05.2011	Tea Industry
28.	Hamarles Roy Thabah Stone Crushing Unit	Umsaw, Nongstoin, West Khasi Hills	22.09.2011	Stone Crusher
29.	P. Nongsteng Stone Crusher	Lad Mawphlang, East Khasi Hills	13.10.2011	Stone Crusher
30.	P.K. & Company	Rongdengre, 13th Mile (NH-41), West Garo Hills	04.11.2011	Stone crusher & Hot Mix Plant
31.	Raihun Sohtun Enterprise	Mawphan, Puriang, East Khasi Hills	18.10.2011	Stone Crusher
32.	J. Nongrum Stone Crusher	Kyrdemkhla, East Khasi Hills	28.11.2011	Stone Crusher
33.	Rain Towers Cold Storage	Lumsohriew, Myllem syiemship, East Khasi Hills	26.09.2011	Cold Storage
34.	Bharti Infratel Ltd	Gandhipara, Upper Khamari, Charipari and Wadanang (West Garo Hills)	23.10.2011	DG Set
35.	Mawthliang Wood Products Pvt. Ltd	Umiam Industrial Estate, Ribhoi District	25.10.2011	Saw cum Veneer Mill
36.	K.K. Stone Crushing Unit	Lad Smit, East Khasi Hills	01.11.2011	Stone Crusher
37.	P.C.I. Cashewnut Industry	Shyamding, Phulbari, West Garo Hills	16.11.2011	Cashewnut Industry
38.	A-One Industries	Pilingkata, Ribhoi District	06.06.2011	Lead acid Battery Recycler
39.	Sharbor Khongsit Stone Crusher	Laitmawiong, East Khasi Hills	11.08.2011	Stone Crusher

40.	B. Iawphniaw Stone Crusher	Mawrok, Porsohsat, West Khasi hills	10.06.2011	Stone Crusher
41.	Speed Wheel Auto workshop	Pohkseh, Shillong, East Khasi Hills	26.05.2011	Automobile Workshop
42.	Goldwyn Khongwir Stone Cutting Unit	Kut Madan, Sohra, East Khasi Hills	19.08.2011	Stone Cutting Unit
43.	Baiohnam Stone Crusher	Laitkor Myllem, East Khasi Hills	12.08.2011	Stone Crusher
44.	Thesida Narleng Stone Crusher	Sohkyrbam Rim, Ribhoi District	19.04.2011	Stone Crusher
45.	Nosi Sungoh Stone Crusher	Nongrim Shangpung, Jaintia Hills District	03.06.2011	Stone Crusher
46.	P.K. & Company	16th Mile, NH-51, Gabil Road, West Garo Hills District	29.06.2011	Stone Crusher
47.	BSC –C & C JV	Kynshi, Mawpun, Suangr e(West Khasi Hills) and Rongkhem Samanda (East Garo Hills)	05.08.2011	Crusher / Hot Mix Plant / WMM Plant and Concrete Batching Plant.
48.	Silverstone Crushing Enterprise	Barapathar, Ribhoi District	07.07.2011	Stone Crusher
49.	BSC – C & C ‘JV’	Rongkhen Samanda Village (Camp 4) in East Garo Hills District	05.08.2011	Stone Crusher, Wet Mix Plant, Hot Mix Batch Type Plant, Concrete Batching Plant
50.	Bharti Infratel Ltd.	(i) Bakur (ii) Rymbai (iii) Mookympad (iv) Wapung Skur in Jaintia Hills District	02.03.2012	D.G. Set
51.	B. K Bani Enterprise Company Pvt. Ltd	Purmawlieh near Thiem Village, West Khasi Hills District	09-06-2011	Silimanite Mine
52.	Kamakhya Cokes	Umtyra Village, Khliehriat, Jaintia Hills District	25.08.2011	Coke Manufacturing Plant
53.	Bharti Infratel Ltd.	(i) Nongbah Bynther (ii) Nongrmai (iii) Rikhen (iv) Mawshut in West Khasi Hills District	24.03.2011	D.G. Set
54.	Bharti Infratel Ltd.	(i) Nongsning (ii) Byndihati (iii) Mukhep (iv) NarwanThwaisalong (v) Rymbai (vi) Ryngat (vii) Khliehriat in Jaintia Hills District	19.05.2011	D.G. Set
55.	Bharti Infratel Ltd.	(i) Nongbah Bynther (ii) Nongrmai (iii) Rikhen (iv) Mawshut in West Khasi Hills District	24.03.2011	D.G. Set

56.	Bharti Infratel Ltd.	(i) Nohwet (ii) Old Umlyngka (3rd Mile) (iii) Lapalang, Pynursla in East Khasi Hills District	06.06.2011	D.G. Set
57.	Raju Bricks Industry	Merengga Para, Haldibari, West Garo Hills District	04.11.2011	Brick Kiln
58.	Khasi Ri-Bhoi Stone Crusher	Chibra, Ri-Bhoi District	29.08.2011	Stone Crusher
59.	Nalari Ferro Alloys Pvt Ltd	EPIP, Norbong, Byrnihat, Ri-Bhoi District	14.06.2011	Ferro Alloys Furnace (Expansion 6000 MT p.a. to 12000 MT p.a.)
60.	P. Ryntathiang Stone Crusher	Mairang, Langstiehrim, West Khasi Hills District	12.09.2011	Stone Crusher
61.	E. Sohtun Enterprise	Mawpnan, Puriang, East Khasi Hills District	18.08.2011	Stone Crusher
62.	Vasna Pearl Bamon	Sejdohwieh, Nongrah, Umroi, Ri-Bhoi District	29.08.2011	Automatic Water Refilling & Packing Unit
63.	Thawain Plain	Sejdohwieh, Nongrah, Umroi, Ri-Bhoi District	29.08.2011	Water Treatment Plant
64.	Pynkhrawlang Stone Crusher	Madan Thangsning, East Khasi Hills District	16.08.2011	Stone Crusher
65.	Stay Inn Guest House	Keating Road, Shillong, East Khasi Hills District	07.08.2011	Hotel
66.	Marak Stone Crusher	Tamulkuchi, Byrnihat, Ri-Bhoi District	29.08.2011	Stone Crusher
67.	BSC – C & C ‘JV’	Suangre (Camp 3) in West Khasi Hills District	05.08.2011	Stone Crusher, Wet Mix Plant, Hot Mix Batch Type Plant, Concrete Batching Plant
68.	BSC – C & C ‘JV’	Mawpon, Riango (Camp 2) in West Khasi Hills District	05.08.2011	Stone Crusher, Wet Mix Plant, Hot Mix Batch Type Plant, Concrete Batching Plant
69.	Bharti Infratel Ltd.	Nongkasen in West Khasi Hills District	06-06-2011	D.G. Set
70.	Wanphai Syngkrem Stone Crusher	Mawpran, Pynursla, East Khasi Hills District	28.11.2011	Stone Crusher
71.	Rupan Bricks Industry	Babedpara, West Garo Hills District	04.11.2011	Brick Kiln

ANNEXURE-4(A)

CONSENT TO ESTABLISH DURING 2011-2012

Sl. No	Name of Industry	Type of Unit	Location of the Industry/Unit	Date of Consent To Establish Issued
1.	Goldstone Cements Ltd	0.88 Million TPA Cement Plant & 30 MW Power Plant	Umlaper, Rymbai, Jaintia Hills District	30.03.2012
2	Bharti Infratel Ltd	15 KVA DG Set	Bakur, Rymbai, Mookympad, Wapung skur, Jaintia Hills District	30.03.2012
3	Bharti Infratel Ltd	15 KVA DG Set	Lapalang(Pynursla), Mawkynrew, East Khasi Hills District	30.03.2012
4.	Bharti Infratel Ltd	15 KVA DG Set	Thangskai, Jaintia Hills District	30.03.2012
5.	Edmund Pyngrope Stone Crusher	Stone Crusher	Laitkor Mawrie, Lumheh, East Khasi Hills District	15.03.2012
6.	Alam Brick Industry	Brick Industry	Charpahati, Mahendraganj, West Garo Hills District	21.03.2012
7.	Bharti Infratel Ltd	15 KVA DG Set	Tikrikila, West Garo Hills District	28.03.2012
8.	North Eastern Regional Load Despatch Centre	200 KVA DG Set	Power Grid Complex, Lower Nongra, East Khasi Hills District	15.03.2012
9.	Wanphai Syngkrem Stone Crusher	Stone Crusher	Mawpran, Pynursla, East Khasi Hills District	15.03.2012
10.	Sparkling Nongrum Stone Crusher	Stone Crusher	Lummawkaphar, Laitkroh, East Khasi Hills District	15.03.2012
11.	Roson Lyngdoh Stone Crusher	Stone Crusher	Tynriang Sngi, Raid Nongkhyriem Syiemship, East Khasi Hills District	14.03.2012
12.	Khлenty Rani Stone Crusher	Stone Crusher	Mawlyntriang, West Khasi Hills District	14.03.2012
13.	Suting Stone Crusher	Stone Crusher	Khathati, Sohmynting, Jaintia Hills District	07.03.2012
14.	Bricks Manufacturing Industry	Bricks Kiln	Moamari Dobakol village, East Garo Hills District	09.03.2012
15.	Stay Inn Guest House	Hotel	Keating Road, Shillong, East Khasi Hills District	05.03.2012
16.	ATC India Tower Corporation	DG Set	Umsamlem, Ribhoi District	07.03.2012

17.	Marak Bricks	Brick Kiln	Kosichora, East Garo Hills District	07.03.2012
18.	BSC-C7C 'JV'	<ul style="list-style-type: none"> • 200 MT/HR Wet Mix Plant, • 60 MTH Hot Mix Batch Type Plant, • 30 CuM/Hr Concrete Batching Plant, • 300 MTH Stone Crusher) 	Rongkhen Samanda Village, East Garo Hills District	27.02.2012
19.	ATC India Tower Corporation	DG Set	Memory Colony, Khliehtyrshi, Jaintia Hills District	27.02.2012
20.	ATC India Tower Corporation	DG Set	Laitkor Mawrie Lumheh, Laitkor Nongdaneng, and Mawlai Mawdatbaki Nongpathaw, East Khasi Hills District	27.02.2012
21.	Bharti Infratel Ltd	DG Set	Tura Fancy, Kama Dumitdikre, Metchakolgre, Teteng Aja, West Garo Hills District	21.02.2012
22.	Bharti Infratel Ltd	15 KVA DG Set	Upper kamari, Ghandipara, Chai- pari, Wadanang, West Garo Hills District	21.02.2012
23.	Meghalaya Animal Husbandary and Veterinary	Bi Species Modern Abattoir	Wahradhoh Demthring, Jaintia Hills District	15.02.2012
24.	Meghalaya Animal Husbandary and Veterinary	Bi Species Modern Abattoir	Adugre, Tura, West Garo Hills District	15.02.2012
25.	K.K. Stone Crusher	Stone Crusher	Lad Smit, East Khasi Hills District	13.02.2012
26.	BSC-C7C 'JV'	200 MT/HR Wet Mix Plant, 60 MTH Hot Mix Batch Type Plant, 30 CuM/Hr Concrete Batching Plant, 300 MTH Stone Crusher)	Mawpon village, Riango, West Khasi Hills District	02.02.2012

27.	BSC-C7C 'JV'	200 MT/HR Wet Mix Plant,160 MTH Hot Mix Batch Type Plant,160 CuM/Hr Concrete Batching Plant, 300 MTH Stone Crusher	Kynshi village (Camp -I), West Khasi Hills	02.02.2012
28.	BSC-C7C 'JV'	200 MT/HR Wet Mix Plant,60 MTH Hot Mix Batch Type Plant,30 CuM/Hr Concrete Batching Plant, 300 MTH Stone Crusher	Suangre village (Camp-III), Shalhang, West Khasi Hills District	02.02.2012
29	Pioneer Carbide (P) Ltd	Ferro Silicon (enhanced capacity from 3000 MTPA to 4125 MTPA)	Upper Balian,Umtru Road,Ribhoi District	20.01.2012
30.	Meghalaya Stone Breaker and Crusher Automatic Plant	Stone crushing unit	Bahenanodi, Ribhoi District	16.01.2012
31.	Lodri Lyngdoh Saw-cum-veneer	Saw-cum-veneer Mill	Umiam Industrial Area,Ribhoi District	16.01.2012
32.	Mawthliang Wood Products Pvt. Ltd	(Saw-cum-veneer)	Umiam Industrial Area, Ri-Bhoi District	16.01.2012
33.	R.S.M Stone Crusher	Stone Crusher	Bir,Ribhoi District	16.01.2012
34.	Orion Health Food Pvt. Ltd	Ready to Eat Food Manufacturing Unit	EPIP, Byrnihat,Ribhoi District	16.01.2012
35.	Meghalaya Pulveriser	Saw Dust & coconut shell processing unit	Umden La Sohkhwai,Rbhoi District	16.01.2012
36.	Lamee Multi-cuisine Restaurant	Restaurant & Lounge Bar	G.S. Road, Khyndailad (Police Bazar), Shillong East Khasi Hills District	17.01.2012
37.	Rain Towers Cold Storage	Cold Storage	Lumsohriew,East Khasi Hills District	17.01.2012
38.	Bethany Hospital	Hospital	Nongrim Hills, Shillong,East Khasi Hills District	17.01.2012

39.	The Shillong Club Ltd	Waste Water Treatment plus hotel	Kachari Road, Shillong, East Khasi Hills District	18.01.2012
40.	Rain Tower	DG Set	Lumsohriew, East Khasi Hills District	18.01.2012
41.	D.K.S. Stone Crusher	48 MT/Day of Stone Chips	Domkseh Laitkor Sirdarship, East Khasi Hills District	18.01.2012
42.	B.W. Lime Products	Lime Kiln Unit	Phlang Mawsyrpat, Mawsynram, East Khasi Hills	21.12.2011
43.	Phrastar Nongsteng Stone Crusher	Stone Crusher	Lad Mawphlang, East Khasi Hills District	20.12.2011
44.	E. Sohtun Enterprise Stone Crusher	Stone Crusher	Mawpnang, Puriang, East Khasi Hills District	21.12.2011
45.	Hamarles Roy Thabah Stone Crusher	Stone Crusher	Umsaw, West Khasi Hills District	21.1.2011
46.	J.Nongrum Stone Crusher	Stone Crusher	Kyrdemkhla, East Khasi Hills District	21.12.2012
47.	Raihun Sohtun Enterprise	Stone Crusher	Mawpnang, Puriang, East Khasi Hills District	21.12.2011
48.	P. Rynthiang Stone Crusher	Stone Crusher	Langstiehrim, West Khasi Hills District	21.12.2011
49.	E.M. Car Servicing	Car Servicing Centre	Maraikaphon, Sohra, East Khasi Hills District	16.12.2011
50.	NTL Steels	Galvanising Octagonal Steel Poles, Tubular Steel Poles and Galvanised steel structures	EPIP, Byrnihat, Ribhoi District	21.11.2011
51.	A-One Industries	Lead Acid Battery Recycling Unit	Barapathar, Ribhoi District	14.1.2012
52.	Meghalaya Power Ltd	1x43 MW Imported Coal Based Thermal Power Plant	Lumshnong, Elaka Narpuh, Jaintia Hills District	08.11.2011
53.	Megha Foods Products	Poultry and other Animal Feed	9th Mile Baridua, Ribhoi District	28.10.2011
54.	Bharti Infratel Ltd	DG Set	Nongsning, Byndihati, Mookhep, Narwan-Thwai Salang, Rymbai, Rangat, Khliehriat, -Jaintia Hills District	18.10.2011

55.	Bharti Infratel Ltd	DG Set	Raliang, Thangskai, Nongtalang Mission, Dkhiah West, Sohkympor, Wahiahjer – Jaintia Hills District	18.10.2011
56.	Bharti Infratel Ltd	DG Set	Mawdang, Laitkyrhong, Mawpat, Matawar (Mawlai), Nongbsap Mission, Kper Masi, Dongshilliang, - East Khasi Hills District	24.10.2011
57.	S.D. Ceramics	Ceramic Plant	13th Mile Tamulkuchi, Ribhoi District	17.10.2011
58.	P. Khongstia Stone Crusher	Stone Crusher	Laitkroh, East Khasi Hills District	13.10.2011
59.	ATC India Towe Corporation Pvt Ltr	DG Set	Umsamlem, Ribhoi District	17.10.2011
60.	Sharbor Khongsit Stone Crusher	Stone Crusher	Laimawiong, East Khasi Hills District	29.09.2011
61.	Baiohnam Stone Crusher	Stone Crusher	Laitkor, Mawrie, East Khasi Hills	29.09.2011
62.	Vasna Pearl Bamon	Automatic Water Re-filling Unit	Seijdohwiej, Nongrah, Umroi, Ribhoi District	29.09.2011
63.	Aloysius Areng	Pet Bottles Manufacturing & Blowing Unit	Seijdohwiej, Nongrah, Umroi, Ribhoi District	29.09.2011
64.	Goldstone Cements Limited	Aggregate Stone Crusher	Umsangat, Village Musiang-Lamare (Old) Jaintia Hills District	29.09.2011
65.	Robertson Kurbah Stone Crusher	Stone Crushing unit	Mawmaram, East Khasi Hills District	29.09.2011
66.	Nosi Sungoh Stone Crusher	Stone Crushing unit	Nongrim, Shangpung, Jaintia Hills District	29.09.2011
67.	Pynkhralang Stone Crusher	Stone Crushing unit	Madan Thangsnung, East Khasi Hills District	29.09.2011
68.	Aity's Bakery	Bakery	Nongkhyriem, Upper Nongthymmai, Shillong, East Khasi Hills District	29.09.2011
69.	R.B'S Bakery	Bakery Manufacturing Unit	Police Bazar, Shillong, East Khasi Hills District	28.09.2011
70.	Thesida Narleng Stone Crusher	Stone Crushing unit	Sohkyrbam-Rim, Ribhoi District	28.09.2011
71.	Thawain Plain	Water Treatment Plant	Seijdohwiej, Nongrah, Umroi, Ribhoi District	29.09.2011
72.	Transcend Infrastructure Pvt. Ltd	15 KVA DG Set	Rambachisakgri, West Garo Hills District	19.09.2011
73.	Bharti Infratel Ltd	15 KVA DG Set	(i) Lower Chandmary (ii) Upper Chandmary, Tura, West Garo Hills District	12.09.2011

74.	Bharti Infratel Ltd	DG Set	(i) Norongkal (ii) Line Ading (iii) Darujak (iv) Dubu Bazar (v) Gokulgre (vi) Resubelpara PS Mendi (vii) Nengkhra (viii) Bakrapara (ix) Line Adeng II, East Garo Hills District	14.09.2011
75.	Bharti Infratel Ltd	DG Set	(i) Boldokagri (ii) Ghoramara (iii) Shidakandi (Bhaitbari) (iv) Sominagre (v) Namabil (vi) Rangsakona (vii) Bangsidua (viii) Banglakhota (ix) Jeldopara, West Garo Hills District	14.09.2011
76.	Bharti Infratel Ltd	DG Set	(i) Namchapara (ii) RC Mission, Baghmara (iii) Konagittim South Garo Hills District	14.09.2011
77.	Bharti Infratel Ltd	DG Set	(i) Umshaproh (ii) Nongtraw (iii) Umsawkhwan (iv) Nongsder (v) Mawlong, Ri-Bhoi District	14.09.2011
78.	Bharti Infratel Ltd	DG Set	(i) Nongrmai (ii) Rikhen (iii) Mawshut (iv) Nongbah Bynter, in West Khasi Hills	30.08.2011
79.	Kharkongor Automobile	Automobile Workshop	Pohkseh (Central), Nongthymmai, Shillong, East Khasi Hills District	12.05.2011
80.	Arzoo Cashewnut Processing Industry	Cashewnut Processing Unit	Mahendraganj, West Garo Hills District	22.08.2011
81.	Greenpower Solutions	Diesel & Gas Based Electric Generators (DG Sets) Assembly Unit	8th Mile, Baridua, Ri-Bhoi District	18.08.2011
82.	Welfit Automobile	Automobile Workshop	Pohkseh (East), Nongthymmai, Shillong, East Khasi Hills District	12.05.2011
83.	Crystal Clear Servicing Centre	Automobile Servicing	Mawlai Nongkwar, East Khasi Hills District	04.08.2011
84.	Shyam Foods	Bakery/Biscuit Manufacturing unit	Killing, Ri-Bhoi District	04.08.2011
85.	Speed Wheel Auto	Automobile Workshop	Pohkseh, Shillong, East Khasi Hills District	04.08.2011
86.	Bharti Infratel Ltd	DG Set	(i) Betasing (ii) Kherapara (iii) Askikakandi (iv) Betbari (v) Taktuki (vi) Chokagre (vii) Chandabhui (viii) Allagre (ix) Rongritura (x) Marpara in West Garo Hills District	02.08.2011

87.	Aibor Kshiar Stone Crusher	Stone Crushing Unit	Umtyrnga, Ri-Bhoi District	02.08.2011
88.	Nongkhlaw Crushing Stone	Stone Crushing Unit	Mawnianglah, East Khasi Hills District	02.08.2011
89.	Kharbuli Stone Crusher	Stone Crushing Unit	“Mawpohlieh” Marang Jaidoh, West Khasi Hills District	02.08.2011
90.	Nalari Stone Crusher	Stone Crushing Unit	Mawthwan, Sohiong, East Khasi Hills District	02.08.2011
91.	O.B. Hotel	Hotel & Restaurant	Laitumkhrach Main Road, Shillong, East Khasi Hills District	29.07.2011
92.	Mahalakshmi Electrical & Engineering Works Pvt. Ltd	Steel Tubular Pole Manufacturing Unit	Jijwa Village, Upper Norbong, Byrnihat, Ri-Bhoi District.	05.07.2011
93.	Urlong Tea	Tea Processing Unit	Mawlyngot, East Khasi Hills District	06.07.2011
94.	India Telecom Infra Ltd	DG Set	(i) Umsning, Patarim (ii) Paham Mawlein in Ri-Bhoi District.	23.06.2011
95.	Animal Husbandry & Veterinary Department	Effluent Treatment Plant	Central Dairy Premises, Ganol, Tura, West Garo Hills District	23.05.2011
96.	Hindustan Coca Cola Beverages (P) Ltd	DG Sets at a capacity of 1250 KVA, 750 KVA, 320 KVA & 62.5 KVA	Rangsakona, Byrnihat, Ri-Bhoi District	19.05.2011
97.	India Telecom Infra Ltd	DG Set	(i) Rymbai (ii) Diengshynrum in Jaintia Hills District	20.05.2011
98.	India Telecom Infra Ltd	DG Set	(i) Sohryngkham Neng (ii) Laitryngew (iii) Mawkdok in East Khasi Hills District	19.05.2011
99.	India Telecom Infra Ltd	DG Set	(i) Lum Myrlong (ii) Wahlakhaw, :Lyngdoh Masi, Lyngdoh Nongrim in West Khasi Hills District	19.05.2011
100.	S.K. Sangma Stone Crusher	Stone Crushing unit	Bolma Rongmande, West Garo Hills District	23.05.2011
101.	Piarlangki Iakai Stone Crusher	Stone crusher	Mookhep, Jaintia Hills District	16.05.2011
102.	Shree Sai Prakash Alloys (P) Ltd	Steel Rolled Products	Rangsakona, Ri-Bhoi District	14.04.2011
103.	D. Warbah Stone Crusher	Stone Crusher	Mawtawar, East Khasi Hills District	19.04.2011
104.	Classic Restaurant	Sweet Restaurant	Khyndailad(police Bazar), Shillong, East Khasi Hills	19.04.2011

105.	13 Star Stone Crusher	Stone Crusher	Lummawsaw, Kyrdem Khla, East Khasi Hills	19.04.2011
106.	K.M. Crusher	Stone Crusher	Mawshynrai, Kyrdemkhla, East Khasi Hills	25.04.2011
107.	Shyam Century Ferrous Limited	Expansion of its Ferro Alloys	E.P.I.P, Byrnihat, Ri-Bhoi District	27.10.2011
108.	Robert Samuel L. Rngaid Stone Crusher	Stone Crusher	Mawkyrwat in West Khasi Hills District	03.08.2011
109.	Shylla Stone Crusher	Stone Crushing Unit	Tyrhoo Modop, in Jaintia Hills District	20.06.2011
110.	Paiaskhem Stone Crusher	Stone Crusher	Mawkaphor, Kyrdemkhla, East Khasi Hills District	14-04-2011
111.	Khasi Ri-Bhoi Stone Crusher	Stone Crusher	Chibra, Ri-Bhoi District	31.10.2011

ANNEXURE-4 (B)

RENEWAL CONSENT TO ESTABLISH 2011-2012

Sl. No.	Name of Industry	Type of Unit	Location of the Industry/ Unit	Date of Renewal Consent To Operate Issued
1.	Jaintia Cements	2Ha Limestone Mining Project	Tohsniang, Latyrke, Jaintia Hills District	28.02.2012
2.	Oaken Gold Bottling	IMFL bottling	8th Mile Baridua, Ribhoi District	19.01.2012
3.	Shillong Municipal Board	Sanitary Landfill	Riatkhwan, Mawlai Mawiong, East Khasi Hills District	17.01.2012
4.	Star Cement Meghalaya Ltd	1.75 MTPA Clinker Manufacturing Unit alongwith a 30 MW Captive Power Plant	Lumshnong, Jaintia Hills District	14.12.2011
5.	P.K. & Company	Stone crushing Unit	Boro Bakal, West Garo Hills District	25.11.2011
6.	Ribhoi Aggregates	Graded Stone Chips @125 TPD	Umpher Village, Ribhoi District	25.11.2011
7.	T.S Blah Stone Crusher	Stone crushing Unit	Stone Crushing Unit, Weiloi, East Khasi Hills District	19.09.2011
8.	Cosmos Cements Limited	27 MW Coal Based Thermal Power Plant	Salang, Sutnga Elaka, Jaintia Hills District	16.09.2011
9.	Cosmos Cements Limited	Integrated Cement Plant 2.0 MTPA and 1.44 MTPA Clinker	Salang, Sutnga Elaka, East Jaintia Hills	04.09.2012
10.	Mammy & Daddy Lime Industry	Lime Kiln Unit	Pyrnai, Pynursla, East Khasi Hills District	4.08.2011
11.	Kachu Kathar Stone Crusher	Stone Crushing Unit	Tamalkuchi, Ri-Bhoi District	07.07.2011
12.	Pawan Casting (Meghalaya) Pvt Ltd	Ferro Alloy Manufacturing Unit	Harlibagan, Byrnihat, Ri-Bhoi District.	11.07.2011
13.	Meghalaya Cements Ltd.	4.88 Ha Limestone Mining Project	Khliehjari, Jaintia Hills District	28.06.2011
14.	Star Cement Meghalaya Ltd	<ul style="list-style-type: none"> • 1.75 MTPA Clinker Manufacturing Unit & • 30 MW Captive Power Plant 	Lumshnong, East Jaintia Hills District	08.06.2011
15.	Meghalaya Cements Limited	10 MW Captive Power Plant	Thangskai, Jaintia Hills District	20-06-2011

ANNEXURE-5

CONSENT TO OPERATE DURING 2011-2012

Sl. No.	Name of Industry	Type of Unit	Location of the Industry/ Unit	Date of Consent To Operate Issued
1.	Shyam Foods	Bakery Unit	Killing, Ri-Bhoi District	30.11.2012
2	Idea Cellular Ltd	DG Set 15 KVA	Fire Brigade, Lumsophoh, East Khasi Hills District	26.11.2012
3	Bharti Infratel Ltd.	15 KVA DG-SET (4) Nos	(i) Upper Kamari (ii) Ghandipara (iii) Chaipari (iv) Wadanang in West Garo Hills District	20.03.2012
4.	RNB Cements (P) Ltd	600 TPD cement Manufacturing Unit	Umiam Industrial Area in Ri-Bhoi District	20.03.2012
5.	Megha Foods Products	Manufacture of Poultry and other Animal Feed	9th Mile, Baridua, Ri-Bhoi District.	20.03.2012
6.	Bharti Infratel Ltd.	15 KVA DG-SET (6) Nos	(i) Raliang (ii) Thangskai (Lumshnong) (iii) Nongtalang Mission (iv) Dkhiah West (v) Sohkyphor (vi) Wahiajer in Jaintia Hills District	14.03. 2012
7	Bharti Infratel Ltd.	15 KVA DG-SET (7) Nos	(i) Nongsning (ii) Byndihati (iii) Mukhep (iv) Narwan, Thwaisalang (v) Rymbai (vi) Rangat (vii) Khliehriat in Jaintia Hills District	14.03. 2012
8.	Bharti Infratel Ltd	DG Set (11) Nos	(i) Thadmuthlong (ii) Shangpung (iii) Rymbai (skhenshynriah) (iv) Sahnsniang (v) Lumshnong (vi) Amlarem (vii) Borato (viii) Sohmynting (ix) Mowtyrshiah (x) Ialong – Thaluruh (xi) Tuberkmai in Jaintia Hills District	07.03.2012
9.	Bharti Infratel Ltd.	15 KVA DG-SET (4) Nos	(i) Kyndongtuber (ii) Lumpyrdi, Mihmyntdu (iii) Nongbah (iv) Mynso in Jaintia Hills District	07.03.2012

10.	Bharti Infratel Ltd.	15 KVA DG-SET (2) Nos	(i) Namchapara (ii) RC Mission Baghmara (iii) Konaggitim in South Garo Hills District	23.02.2012
11	Bharti Infratel Ltd.	15 KVA DG-SET (6) Nos	(i) Madanryting (ii) Mawshabuit (Nongpdeng) (iii) Laitkor (Nongdaneng) (iv) Mawshabuit (Nongrim) (v) Umphyrnai (Dymmiew) (vi) Rynjah in East Khasi Hills District	20.02.2012
12.	Bharti Infratel Ltd.	15 KVA DG-SET (7) Nos	(i) Jongksha (ii) Thynroit, Khyrim (iii) Raidshabong, Pynursla (iv) Nongrimmaw, Laitumkhrah (v) Mawlyngngad (vi) Myllem (vii) Sohryngkham in East Khasi Hills District	20.02.2012
13.	Bharti Infratel Ltd.	15 KVA DG-SET (7) Nos	(i)Mawdang(ii)Laitkyrhong (iii) Mawpat (iv) Mawtawar (Mawlai) (v) Nongbsap Mission (vi) Kper Masi (vii) Dongshiliang in East Khasi Hills District	20.02.2012
14.	Bharti Infratel Ltd.	15 KVA DG-SET (4) Nos	(i) Nongrmai (ii) Rikhen (iii) Mawshut (iv) Nongbah Bynther in West Khasi Hills District	20.02.2012
15.	Bharti Infratel Ltd.	15 KVA DG-SET (5) Nos	(i) Bonepa Atilla (ii) Nehru Ading (iii) Dakopgiri (iv) Walbakgre (v) Romba Adingre in West Garo Hills District	21.02.2012
16.	Bharti Infratel Ltd.	15 KVA DG-SET (2) Nos	(i) Samanda Megapee (ii) Kosichora in East Garo Hills District	21.02.2012
17.	Bharti Infratel Ltd.	15 KVA DG-SET (6) Nos	(i) Pahamrioh Lum (ii) Umran Niangbyrnai (iii) Kyrdemkulai Zero Point (iv) Mawser Zero Point (v) Mawlein (vi) Umroi in Ri-Bhoi District	21.02.2012

18.	Bharti Infratel Ltd.	15 KVA DG-SET (5) Nos	(i)Umshaproh (ii)Nongtraw (iii) Umsawkhwan (iv) Nongsder (v) Mawlong in Ri-Bhoi District	21.02.2012
19.	Bharti Infratel Ltd.	15 KVA DG-SET (10) Nos	(i) Betasing (ii) Kherapara (iii) Askikakandi (iv) Belbari (v) Taktuki (vi) Chokagre (vii) Chandabhui (viii) Allagre (ix) Rongritura (x) Marpara in West Garo Hills District	21.02.2012
20.	Shyam Century Ferrous (A) Division	Expansion of Ferro Alloy Plant (18 MVA to 27 MVA)	E.P.I.P, Byrnihat, Ri-Bhoi District	17.02.2012
21.	Hindustan Coca Cola Beverages (P) Ltd	DG SETS	Rangsakona, Byrnihat, Ri-Bhoi District	06.02.2012
22.	Jai Plastech Pvt Ltd	Glass & Cups Manufacturing Unit	Umtru Power House, Raja Bagan, Byrnihat, Ri-Bhoi District	06.02.2012
23.	Meghalaya Steels Ltd	Mild Steel Ingots Manufacturing Unit (Expansion)	E.P.I.P, Umtru Road, Byrnihat, Ri-Bhoi District	01.02.2012
24.	Shanlang Kharkongor Stone Crusher	Stone Crusher	Mawjriong, Kyrdemkhla, in East Khasi Hills District	17.01.2012
25.	Speed Wheel Auto	Automobile Workshop	Pohkseh, Shillong in East Khasi Hills District	14.11.2011
26.	Dashisha Kharkongor Stone Crusher	Stone Crusher	Laitpynter, Japunglymbet in East Khasi Hills District	14.11.2011
27.	B.S Stone Crusher	Stone Crusher	Mawkasiang, Wawdiangdiang in East Khasi Hills District	18.11.2011
28.	Mammy & Daddy Lime Industry	Lime Kiln Unit	Pyrnai, Pynursla in East Khasi Hills District	18.11.2011
29.	Meghalaya Cements Limited	10MW Coal Based Captive Power Plant	Thangskai, Narpuh Elaka in Jaintia Hills District	14.11.2011
30.	N.E.I.G.R.H.M.S	1 MLD Sewage Treatment Plant	Mawdiangdiang, Shillong in East Khasi Hills District	04.11.2011
31.	13 Star Stone Crusher	Stone Crusher	Lummawsaw, Kyrdemkhla, East Khasi Hills District	11.10.2011
32.	Green Power Solutions	Diesel & Gas based Electric Generators (DG Sets)	8th Mile, Baridua, Ri-Bhoi District	30.09.2011

33.	KEC International Ltd	(9) 20 KVA DG Sets	(i) Umdang (ii) Marskuin (iii) Kamphauduli (iv) Domjarain (v) Ngunraw (vi) Ranikor (vii) Tiehnongbah (viii) Mawkyllei & (ix) Borsora in West Khasi Hills District	16.09.2011
34.	KEC International Ltd	(15) 20 KVA DG Sets	(i) Sonaroo (ii) Sahsniang (iii) Jalaphet (Sutnga) (iv) Wahiajer (v) Lum Shyrmit (vi) Mynsngat (vii) Kyndong Tuber (viii) Muktapur (ix) Saipung (x) Barato (xi) Umthe (xii) Mukrot (xiii) Kongshnong (xiv) Umladang & (xv) Mynkhnang in Jaintia Hills District	14.09.2011
35.	KEC International Ltd	(5) 20 KVA DG Sets	(i) Haribhanga (ii) Betasingh Block (HQ) (iii) Aguragre (iv) Patharkata & (v) Gambegre in West Garo Hills District	22.09.2011
36.	CMJ Breweries (P) Limited	Brewery Plant	New Industrial Area, Byrnihat, Ri-Bhoi District	08.09.2011
37.	D. Kshiar Stone Crusher	Stone Crushing Unit	Chibra-Umtyrnga, Ri-Bhoi District	12.09.2011
38.	Piarlangki Iakai Stone Crusher	Stone Crusher	Mookhep, Jaintia Hills District	01.09.2011
39.	KEC International Ltd	(11) 20 KVA DG Sets	(i) Umdu (ii) Pilangkata (iii) Umrit (iv) Umdohkha (v) Mawtneng (vi) Mawrong (vii) Mawphru (viii) Klew (ix) Umtyrnga (x) Zero Point (xi) Warmawsaw in Ri-Bhoi District	26.08.2011
40.	KEC International Ltd	(3) 20 KVA DG Sets	(i) Rongra (ii) Ghashapara (iii) Baghmara in South Garo Hills District	26.08.2011
41.	KEC International Ltd	(6) 20 KVA DG Sets	(i) Khantolguri (ii) Bajengdoba (iii) Kharkutta (iv) Chotcholja (v) Darakona (vi) Samanda in East Garo Hills District	26.08.2011

42.	KEC Ltd	International	(7) 20 KVA DG Sets	(i) Bogularbhita (ii) Salmanpara (iii) Gandhipara (iv) Kalaigaon (v) Dingapara (vi) Dakop (vii) Selsella in West Garo Hills District	26.08.2011
43.	KEC Ltd	International	(1) 20 KVA DG Sets	(i) Bholarbhita in West Garo Hills District	26.08.2011
44.	KEC Ltd	International	DG Sets	Nongkhram - II in East Garo Hills District	26.08.2011
45.	KEC Ltd	International	DG Sets	(i) Sonagre (Chokpot Bazar) (ii) Katholbari (iii) Nayagaon (iv) Rimrang (v) Majherchar (vi) Magalpara (vii) Chibagre (viii) Renigre (ix) Nandichar (x) Goldahgre in West Garo Hills District	29.08.2011
46.	KEC Ltd	International	DG Sets	(i) Gokulgre (ii) Chidmit in East Garo Hills District	29.08.2011
47.	KEC Ltd	International	DG Sets	(i) Patranga (ii) Tikrikilla (iii) Konarchar (iv) New Bhaitbari (v) Kasaripara (vi) Rajpur (vii) Magurmari (viii) Koinaboi (ix) Dalu (x) Paham (xi) Dollonggre in West Garo Hills District	6.09.2011
48.	Transcend Infrastructure Pvt Ltd		15 KVADG Set	Mawpat in East Khasi Hills District	25.08.2011
49.	KEC Ltd	International	(3) 20 KVA DG Sets	(i) Bakur (ii) Laskein (iii) Tamabil in Jaintia Hills District	18.08.2011
50.	KEC Ltd	International	(8) 20 KVA DG Sets	(i) Kynshi (ii) Mawphynniew (iii) Nongkrem (iv) Kynrut (v) Nongum (vi) Marshillong (vii) Rangthong (viii) Rikhen in West Khasi Hills District	18.08.2011
51.	KEC Ltd	International	(1) 20 KVA DG Sets	(i) Huroi in Jaintia Hills District	18.08.2011

52.	KEC International Ltd	(14) 20 KVA DG Sets	(i) Ryngku (ii) Umniuh Tnar (iii) Jatap (iv) Nongsawiang (v) Bholaganj (vi) Nongwar (vii) Shella Bazar (viii) MAwiong (ix) Jongksha (x) Mawsadang (xi) Balat (xii) Wahkdait (xiii) Mawkynrew (BDO Compound) (xiv) Nohron in East Khasi Hills District	18.08.2011
53.	Gregory Khongwir Stone Crusher	Stone Crusher	Thadring (Kyndongbasa0, Mawlyngad in East Khasi Hills District	17.08.2011
54.	Mukhim Stone Crusher	Stone Crusher	Thadring, Mawlyngad in East Khasi Hills District	12-05.2011
55.	Lafarge Umiam Mining Pvt. Ltd	Independent Mobile Crusher & Conveyor Circuit	Nongtraï in East Khasi Hills District	12-08.2011
56.	Urlong Tea	Tea Processing Unit	Mawlyngot, in East Khasi Hills District	12-08.2011
57.	R.R Sangma Brick Kiln	Brick Kiln	Kusimkolgre, in East Garo Hills District	12-08.2011
58.	Laitmynrieng Stone Cutting	Stone Cutting unit	Laitmynrieng, East Khasi Hills District	11-08.2011
59.	Nangiaikiew Stone Crusher	Stone Crusher	Pommura, East Khasi Hills District	11-08.2011
60.	Mawlong Stone Crusher	Stone Crusher	Mawmaram, East Khasi Hills District	11-08.2011
61.	Cement Manufacturing Company Limited	Expansion of Cement Production from 1800 TPD to 2400 TPD	Lumshnong in Jaintia Hills District	11-08.2011
62.	Kmel Nongbri Stone Crusher	Stone Crusher	Mawtepskum, Mawmaram, East Khasi Hills District	04-08.2011
63.	Lipon Crusher	Stone Crushing Unit	Pynthor Langtein in Jaintia Hills District	04-08.2011
64.	B.R. Industries	Cashewnut making unit	Phulbari in West Garo Hills District	02-08.2011
65.	ATC India Tower Corporation Pvt Ltd	15 KVA DG-Set	Thagpralda, in West Garo Hills District	02-08.2011
66.	Jaintia Cements Limited	Expansion (100 TPD to 150 TPD)	Tohsniang, Latyrke in Jaintia Hills District	04-08.2011
67.	Iainehskhem Lakhmi Stone crusher	Stone Crushing Unit	Maraikapur, Jirang, in Ri-Bhoi District	11-07.2011

68.	Shabong Bakery	Bakery Unit	Laitlyngkot Sirdarship, East Khasi Hills District	05-07.2011
69.	Meghalaya Cements Ltd	Expansion (900 TPD to 2600 TPD) Cement Plant	Thangskai Village, Jaintia Hills District	16-06-2011
70.	Ora Enterprise	Lime Kiln Unit	Muiong, Shella, East Khasi Hills District	14-06-2011
71.	Megha Stone Industry	Stone Cutting Unit	Mawkisyiem, Cherrapunjee, East Khasi Hills District	06-06-2011
72.	Bozez Automobile Workshop	Automobile Workshop	Shillong, East Khasi Hills District	06-06-2011
73.	Ramky Infrastructure Ltd	Hot Mix Plant	Umta, Umklai village Ribhoi District	04.08.2011

ANNEXURE-5(A)

RENEWAL CONSENT TO OPERATE DURING 2011-2012

Sl. No.	Name of Industry	Type of Unit	Location of the Industry/ Unit	Date of Renewal CTO Issued
1.	Lyngdoh Lime Kiln	Lime Kiln Unit	Mawsmai, Sohra, East Khasi Hills District	15.07.2011
2.	Greatwall Restaurant	Restaurant	Heri Complex, Thana Road, Police Bazar, Shillong, East Khasi Hills District	15.07.2011
3.	ATC India Tower Corporation Pvt Ltd	15 KVA D.G. Set	Resubelpara and Dilma A Pal in East Garo Hills District	15.07.2011
4.	Annapurna Restaurant	Restaurant	Police Bazar, Shillong, East Khasi Hills District	31.03.2012
5.	Anupama Restaurant	Restaurant	Police Bazar, Shillong, East Khasi Hills District	30.03.2012
6.	Oriental Bar	Restaurant & Bar	Police Bazar, Shillong, East Khasi Hills District	30.03.2012
7.	Spencer Majaw Stone Crusher	Stone Crusher	Mawnianglah, Upper Shillong, East Khasi Hills District	30.03.2012
8.	Arima & Co.	Oximo Silane Unit	Baridua, Ri-Bhoi District	28.03.2012
9.	Annabond Ltd	Anaerobic Adhesives & Sealant Industry	Khanapara, Ri-Bhoi District	28.03.2012
10.	Jaintia Alloys Ltd	Ferro Silicon	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	28.03.2012
11.	Virgo Cements Ltd	600 TPD Cement Manufacturing Unit	Damas, East Garo Hills District	28.03.2012
12.	Meghalaya Steels Ltd	Steel Rolling Mill	E.P.I.P, Byrnihat, Ri-Bhoi District	19.03.2012
13.	Dyna Roof Pvt Ltd	(i) Colour Coated Profile Sheet (ii) Corrugation Iron Sheet and Ridging Manufacturing Unit	10th Mile, Mawsmai, Ri-Bhoi District	26.03.2012
14.	Mahabir Foods Ltd	Roller Flour Mill	Umpher Village, 13th Mile, Byrnihat, Ri-Bhoi District	26.03.2012
15.	Timpack (P) Ltd	Bamboo Based Industry	15th Mile, Byrnihat, Ri-Bhoi District	26.03.2012
16.	Billennium Cements Ltd	Cement Grinding Unit	Damas, East Garo Hills District	26.03.2012

17.	Saumya Mining Pvt Ltd	Residential Colony	Nongtra Limestone Mines, Shella, East Khasi Hills	22.03.2012
18.	Mahabir Flour Mill	Atta Chaki Mill	Luckier Road, Shillong, East Khasi Hills	22.03.2012
19.	Megha Polymer	Plastic Storage Tank Manufacturing Unit	Umiam Industrial Area, Ri-Bhoi District	23.03.2012
20.	Vishal Saw-cum-Veneer Mill Pvt Ltd	Saw-cum-Veneer Mill	Umiam Industrial Area, Ri-Bhoi District	14.03. 2012
21.	Timber Craft & Veneer (India) Pvt Ltd	Saw-cum-Veneer Mill	Umiam Industrial Area, Ri-Bhoi District	13.03. 2012
22.	S.J Bakery & Confectionery	Bakery Unit	Rynjah, Shillong, East Khasi Hills District	13.03. 2012
23.	Green Valley Industries Limited	0.86CementManufacturing Unit	Nongsning Village, Jaintia Hills District	09.03. 2012
24.	J. Saw & Mill Ltd	Saw cum veneer Mill	15th Mile, Byrnihat, Ri-Bhoi District	02.03.2012
25.	Meghalaya Steels Ltd	Steel Rolling Mill	E.P.I.P, Byrnihat, Ri-Bhoi District	22.02.2012
26.	Sukrit Concrete Products Pvt Ltd	Stone Crusher	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	23.02.2012
27.	Deep Industry	Stone Crushing Unit	Kakkrugre, in West Garo Hills District	21.02.2012
28.	JUD Cements Ltd	4.76 Limestone Mining Project	Wahiajer, Narpuh Elaka, Jaintia Hills District	16.02.2012
29.	Bimla Ispat & Alloys (P) Ltd	Ferro Silicon	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	13.02.2012
30.	Honsen Lyngdoh Stone Crusher	Stone Crushing Unit	Mawiong, Rim, East Khasi Hills District	14.02.2012
31.	Lafarge Umiam Mining Pvt Ltd	DG Sets	Nongtra, East Khasi Hills District	02.02.2012
32.	Lafarge Umiam Mining Pvt Ltd	Shale & Siltstone Mine	Shella, East Khasi Hills District	02.02.2012
33.	Vaishali Restaurant	Restaurant	Thana Road (Opp Hira Market), Police Bazar, Shillong, East Khasi Hills District	02.02.2012
34.	Catherine Mynsong Works	Automobile Workshop	Keating Road, Shillong, East Khasi Hills District	01.02.2012
35.	Meghalaya Steels Ltd	Steel Rolling Mill	E.P.I.P, Byrnihat, Ri-Bhoi District	01.02.2012

36.	Adhunik Cement Ltd	Limestone Mine Block-II	Umsoo Mootang, Village Thangskai, Jaintia Hills District	02.02.2012
37.	Adhunik Cement Ltd	1.5 MTPA Cement & 1.3 MTPA Clinker Manufacturing Unit alongwith 25 MW Captive Power Plant	Mootang, Narpuh Elaka in Jaintia Hills District	03.02.2012
38.	Meghalaya Mineral Products	Re-Rolling Mill	E.P.I.P, Byrnihat, Ri-Bhoi District	25.01.2012
39.	Milestone Beverages Pvt Ltd	IMFL Bottling Plant	15th Mile, Ri-Bhoi District	25.01.2012
40.	Bimla Ispat Alloys (P) Ltd	Ferro Silicon & M.S. Ingots manufacturing unit	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	20.01.2012
41.	A.D. Aggregate Crusher	Stone Crushing Unit	Barapathar, Ri-Bhoi District	25.01.2012
42.	S.K Dewsaw Product	Saw cum Veneer	Umiam Industrial Area, Umaim, Ri-Bhoi District	20.01.2012
43.	Hills Cement Company Limited	3000 TPD Cement Manufacturing Unit & 2500 TPD Clinker manufacturing unit	Mynkre, Jaintia Hills District	24.01.2012
44.	Adhunik Cement Ltd	Limestone Mine Block-II, 5000 TPD	Umsoo Mootang, Village Thangskai, Jaintia Hills District	24.01.2012
45.	Marwet Bottling Industries	IMFL Bottling Plant	Them Marwet, Ri-Bhoi District	24.01.2012
46.	Eden Restaurant	Restaurant	Police Bazar, Shillong, East Khasi Hills District	23.01.2012
47.	Banalari World Car	Automobile Repairing & Servicing Unit	Mawlai Nongkwar, Shillong, East Khasi Hills District	17.01.2012
48.	Godrej Saralee Ltd	Hot Water Generator	15th Mile, Byrnihat, Ri-Bhoi District	16.01.2012
49.	K.D Agro Industries	Fruit Processing Unit	Bangalkata, Chibinang, Phulbari, West Garo Hills District	16.01.2012
50.	I.T.D. Cementation India Ltd	Stone Crushing Unit	Norbong, Byrnihat, Ri-Bhoi District	05.01.2012
51.	Meghalaya Bitchem (P) Ltd	Bitumen Manufacturing Unit	9th Mile, Killing, Byrnihat, Ri-Bhoi District	16.12.2011

52.	JUD Cements Limited	900 TPD Cement Manufacturing Unit	Wahiajer, Narpuh Elaka in Jaintia Hills District	16.12.2011
53.	Meghalaya Cements Limited	6 Nos of 1500 KVA DG Sets	Thangskai, Jaintia Hills District	13.12.2011
54.	Pawan Castings (P) Ltd	Re-Rolling Mill	Harlibagan, Byrnihat, Ri-Bhoi District	02.12.2011
55.	Nalari Ferro Alloys Ltd.	Silico Manganese & ferro Manganese Manufacturing Unit	E.P.I.P, Byrnihat, Ri-Bhoi District	25.11.2011
56.	Meghalaya Cements Limited	Limestone Mine	Rymmai Syndem, Thangskai, Jaintia Hills District	25.11.2011
57.	Jaintia Coke Private Limited	32-Oven Metallurgical Coke Making Unit	Iongsning, Khliehriat in Jaintia Hills District	14.11.2011
58.	Regal Restaurant	Restaurant	Police Bazar, Shillong, East Khasi Hills District	14.11.2011
59.	Shyam Century Ferrous Ltd	Ferro Silicon & Silico Manganese Manufacturing Unit	E.P.I.P, Byrnihat, Ri-Bhoi District	25.11.2011
60.	Gregory Kharsati Lime Kiln	Lime Kiln	Umstew, Laitryngew in East Khasi Hills District	16.11.2011
61.	Abhi Coke Private Limited	Coke Making Unit	Datsimpein, Lad Rymbai in Jaintia Hills District	14.11.2011
62.	V. M Modern Rice Mill	Rice Mill Unit	Barapani Industrial Area, Ri-Bhoi District	30.11.2011
63.	Indomech Industries	D.G Assembly Unit	Them Marwet, Khanapara, Ri-Bhoi District	30.11.2011
64.	Green Valliey Industries Limited	10.5 MW D.G. Set	Nongsning, Chieruphi in Jaintia Hills District	02-12-2011
65.	B.K. Saw-cum-veneer Mills (P) Ltd	Saw-cum-veneer Mill	12th Mile, Byrnihat, Ri-Bhoi District	08.11.2011
66.	Rose Warjri Bakery	Bakery Unit	Mawlai Mawroh, Shillong, East Khasi Hills District	04.11.2011
67.	Slalung Enterprise	Tea Processing Unit	Mawrong Road, Umsning, Ri-Bhoi District	31-10-2011
68.	Pawan Castings (Meghalaya) (P) Ltd	M.S. Ingots manufacturing unit	Harlibagan, Byrnihat, Ri-Bhoi District	01.11.2011
69.	Trishul Hi-Tech Industries	M.S. Ingots & Rolled Steel Making Unit	Harlibagan, Byrnihat, Ri-Bhoi District	01.11.2011
70.	Servicing Centre	Automobile Servicing Centre	Jingkieng Nongrim, Shillong in East Khasi Hills District	27.10.2011

71.	Bombay Bites	Restaurant	Police Bazar, Shillong, East Khasi Hills District	24.10.2011
72.	Omni Agate Systems (P) Ltd	Digital Meters (Phase-I) Assembly Unit	9th Mile, Baridua, Ri-Bhoi District	20.10.2011
73.	Kakaranian Innovative Systems (P) Ltd	Flexible Packaging (Plastic) Products	E.P.I.P, Byrnihat, Ri-Bhoi District	21.10.2011
74.	Meghalaya Alloys (P) Ltd	Ferro Silicon manufacturing unit	E.P.I.P, Byrnihat, Ri-Bhoi District	29.09.2011
75.	Cements Manufacturing Unit	Limestone Mine	Wahpynkong, Lumshnong, Jaintia Hills District	29.09.2011
76.	Aumz Industries	Veneer & Sawn Timber Waste Grinding Unit	20th Mile, Paham Mawlein, Ri-Bhoi District	29.09.2011
77.	Meghalaya Power Limited	8 MW Coal Based Thermal Power Plant	Lumshnong, Narpuh Elaka, Jaintia Hills District	16.09.2011
78.	S.C. Synrem Lime Kiln	Lime Kiln	Wah-U-Tim, Mawmluh, East Khasi Hills District	16.09.2011
79.	D. Khylllep Lime Kiln	Lime Kiln	Umtaru, Ichamati, Mawlong in East Khasi Hills District	14.09.2011
80.	Greystone Smelters Ltd	M.S. Ingots & Billets Making Unit	E.P.I.P, Byrnihat, Ri-Bhoi District	12.09.2011
81.	Harmel A. Sangma Stone Crusher	Stone Crushing Unit	Bollongiri, Selsella, West Garo Hills District	12.09.2011
82.	JUD Cements Limited	(3) Diesel Generator Sets	Wahiajer, Narpuh Elaka, Jaintia Hills District	12.09.2011
83.	Transcend Infrastructure Ltd	DG Set	Edenbari, Chokchokia, DAdengre, Rongsaigre, Goramara, Tebrongre in West Garo Hills District	07.09.2011
84.	Hills Cement Company Limited	3000 TPD Cement & 2500 TPD Clinker	Mynkre, Jaintia Hills District	06.09.2011
85.	Jai Plasteh Pvt Ltd	Plastic Disposable Manufacturing Unit	Rajabagan, Byrnihat, Ri-Bhoi District	29.08.2011
86.	Odomos Patho Stone Crusher	Stone Crusher	Gonpati, Jirang, Ri-Bhoi District	30.08.2011
87.	Transcend Infrastructure Pvt Ltd	DG Set	(i) Kusum Kolgari (ii) Warimagre in East Garo Hills District	26.08.2011

88.	Transcend Infrastructure Pvt Ltd	DG Set	(i) Barapathar (ii) Bara Bazar (iii) Polo Hills (iv) Mawlai Motsyiar (v) Mawlai Nongkwar (vi) Rynjah (vii) Nongmynsong in East Khasi Hills District	24.08.2011
89.	Transcend Infrastructure Pvt Ltd	DG Set	(i) Mawryngkneng (ii) Krang (iii) Wahangaw (Phudphanblei) (iv) Nongkyndah & (v) Lawbah in East Khasi Hills District	24.08.2011
90.	Transcend Infrastructure Pvt Ltd	DG Set	(i) Mawryngkneng (East Khasi Hills District) (ii) Mookyndur (iii) Ummulong (iv) Khliehtyrshi (v) Khliehriat Market in Jaintia Hills District	23.08.2011
91.	Transcend Infrastructure Pvt Ltd	DG Set	(i) 4 – Kilo (ii) Lama (iii) Bataw (iv) Nongjngi (v) Sohmynting (vi) Iooksi in Jaintia Hills District	16.08.2011
92.	Godrej Consumer Products Ltd	DG Set	15th Mile, Byrnihat, Ri-Bhoi District	16.08.2011
93.	Godwin Hotel	Hotel	G.S. Road, Shillong in East Khasi Hills District	16.08.2011
94.	Garden Hotel	Hotel	Quinton Road, Shillong Lawbah in East Khasi Hills District	16.08.2011
95.	Vanessa Lake Inn	Restaurant & Hotel	M.G Road, Shillong, East Khasi Hills District	12.08.2011
96.	Cherra Lime	Lime Kiln	Mawkisyiem, Sohra, East Khasi Hills District	11-08.2011
97.	M.D.H Beverages	I.M.F.L Bottling Unit	Umiam Industrial Area, Ri-Bhoi District	12.08.2011
98.	Meghalaya Power Limited	Coal Based Thermal Power Plant	Lumshnong Narpuh Elaka in Jaintia Hills District	09.08.2011
99.	Cement Manufacturing Company Limited	Limestone Mine (Khub-II)	Lumshnong in Jaintia Hills District	09.08.2011
100.	Swastik Stone Crusher	Stone Crusher	Mawkhap, Jirang, Ri-Bhoi District	04-08.2011

101.	Meghalaya Cast & Alloys (P) Ltd	M.S. Ingots Unit	Harlibagan, Byrnihat, Ri-Bhoi District	04-08.2011
102.	Regetta Food Processing Unit	Meat Processing Unit	Umiam Industrial Area, Ri-Bhoi District	04-08.2011
103.	Shivani Ispat & Rolling Mills Pvt Ltd	Re-Rolling Mill (Expansion) 23400 MT per annum	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	04-08.2011
104.	Megha Technical & Engineers Pvt Ltd	DG Sets	Lumshnong in Jaintia Hills District	04-08.2011
105.	Cements Manufacturing Company Ltd	Limestone Mine	Wahpynkon, Lumshnong in Jaintia Hills District	04-08.2011
106.	Sharawn Tea	Tea Processing Unit	Sohryngkham, East Khasi Hills District	04-08.2011
107.	Meghalaya Mineral & Mines Ltd	Limestone Crushing Unit	Lumshnong in Jaintia Hills District	18-07.2011
108.	M.D.H Beverages Pvt Ltd	I.M.F.L Bottling unit	Umiam Industrial Area, Umiam, Ri-Bhoi District	11-07.2011
109.	Starch Restaurant	Restaurant	Motphran, Shillong, East Khasi Hills District	05-07.2011
110.	Hotel Briwell	Hotel	Quinton Road, Police Bazar, Shillong, East Khasi Hills District	05-07.2011
112.	Satya Megha Ispat (P) Ltd	Ferro Silicon & M.S. Ingots	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	05-07.2011
114.	T.S. Shrieh Lime Kiln	Lime Kiln	Cherrapunjee, East Khasi Hills District	30-06-2011
115.	Shyam Century Ferrous Ltd	13.8 MW Captive Power Plant	E.P.I.P, Byrnihat, Ri-Bhoi District	26-06-2011
116.	Adhunik Cements Ltd	Limestone Mining Block -IV	Thangskai Village, Jaintia Hills District	26-06-2011
117.	Jai Kamakhya Alloys Pvt Ltd	Ferro Silicon Unit	Umtru, Ri-Bhoi District	27-06-2011
118.	Meghalaya Cements Ltd	Limestone Mining	Thangskai Village, Jaintia Hills District	24-06-2011
119.	Meghalaya Cements Ltd	Limestone Mining	Rymmai Syndem, Khliehjari, Thangskai Village, Jaintia Hills District	24-06-2011
120.	Premier Bakery	Bakery Unit	Umiam Industrial Area, Ri-Bhoi District	21-06-2011

121.	Premier Hatchery	Hatchery Unit	Umiam Industrial Area, Ri-Bhoi District	21-06-2011
122.	K.K. Beverages Pvt Ltd	Mineral Water & carbonated Drinks	Khanapara, 9th Mile, Ri-Bhoi District	21-06-2011
123.	Pratima Hotel	Restaurant	Laitumkhrach, Shillong, East Khasi Hills District	21-06-2011
124.	Volga Mistan Bhandar	Restaurant	Laitumkhrach, Shillong, East Khasi Hills District	20-06-2011
125.	Megha Technical & Engineers (P) Ltd	1400TPD Clinker Grinding Unit	Lumshnong in Jaintia Hills District	20-06-2011
126.	Mahabir Flour Mill	Atta Chakki Mill	Luckier Road, Shillong, East Khasi Hills District	20-06-2011
127.	Premier Roller Flour Mill	Roller Flour Mill	Umiam Industrial Area, Ri-Bhoi District	21-06-2011
128.	Premier Feed Mill	Feed Mill unit	Umiam Industrial Area, Ri-Bhoi District	21-06-2011
129.	Green Valley Industries	0.86 MTPA Cement manufacturing unit	Nongsning in Jaintia Hills District	20-06-2011
130.	Tata Tele Services Ltd (TTSL)	380 KVA DG Set	Keating Road, Shillong, East Khasi Hills District	15-06-2011
131.	Tata Tele Services Ltd (TTSL)	500 KVA DG Set	Keating Road, Shillong, East Khasi Hills District	15-06-2011
132.	J.S. Bakery & Confectionery	Bakery Unit	Langsning, Shillong, East Khasi Hills District	16-06-2011
133.	Cathrine Mynsong Works	Automobile Workshop	Keating Road, Shillong, East Khasi Hills District	16-06-2011
134.	Hills Cement Company	Limestone Mine	Mynkre Village, Jaintia Hills District	16-06-2011
135.	JUD Cements	4.76 Limestone Mine	Narpuh Elaka, Jaintia Hills District	15-06-2011
136.	Paras Singh Stone Crusher	Stone Crushing Unit	Maikhuli, Ri-Bhoi District	14-06-2011
137.	Hotel Magnum	Hotel/Restaurant	Police Bazar, Shillong, East Khasi Hills District	10-06-2011
138.	Godrej Consumer Products	Mosquito Coils	15th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	13-06-2011
139.	ATC India Tower Corporatio Ltd	DG Set	Phlangdkhi, Pynursla, East Khasi Hills District	06-06-2011

140.	ATC India Tower Corporatio Ltd	DG Set	(i) Mawkajem (ii) Pongtung (iii) Nongmadan, Mawpran (iv) Laitlyngkot (v) Langkyrdem (vi) Brisohlung, Pomshutia (vii) Rngain (viii) Laban, Shillong (ix) Laitkynsew, Laitmawiong (Laitlyngkot) East Khasi Hills District	06-06-2011
141.	ATC India Tower Corporatio Ltd	DG Set	Wapungskur, Jaintia Hills District	06-06-2011
142.	ATC India Tower Corporatio Ltd	DG Set	(i) Khimmusniang (Jowai) (ii) salani Colony (Jowai) (iii) Lumpyrtuh (Mihmyntdu) (iv) Dongmihnsngi (Ladthalaboh), Jaintia Hills District	06-06-2011
143.	Meghalaya Bitchem Pvt Ltd	Bitchem manufacturing unit	9th Mile, Byrnihat, Ri-Bhoi District	06-06-2011
144.	Anabond Ltd	Anaerobic Adhesives & Sealant Industry	Khanapara, Ri-Bhoi District	03-06-2011
145.	Shree Sai Smelters (India) Pvt Ltd	M.S. Ingots	Rangsakona, Byrnihat, Ri-Bhoi District	23.05.2011
146.	Shree Sai Smelters (India) Pvt Ltd	Ferro Silicon Unit	Rangsakona, Byrnihat, Ri-Bhoi District	23.05.2011
147.	Megha Cashew (P) Ltd	Cashewnut processing unit	E.P.I.P, Byrnihat, Ri-Bhoi District	26.05.2011
148.	A.S. Kynta Automobile Workshop	Automobile Workshop	Mawwir, Nongrimsohra, East Khasi Hills District	02.06.2011
149.	Banteilang Kharkongor	Tyre Rethreading Unit	3rd Mile, Upper Shillong, East Khasi Hills District	02.06.2011
150.	Nezone Industries Ltd	M.S. Tubes & Galvanizing Pipes Making Unit	E.P.I.P, Byrnihat, Ri-Bhoi District	02.06.2011

“We never know the worth of water till the well is dry”

- Thomas Fuller



“We shall never understand the natural environment until we see it as a living organism...”

- Paul Brooks