

# **Meghalaya State Pollution Control Board**



**Annual Report  
2013-2014**



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## 1

## INTRODUCTION

The Government of Meghalaya in the Public Health Engineering Department constituted the State Board for Prevention and Control of Water Pollution 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 responsibility and enforce the Air (Prevention & Control of Pollution) Act, 1981 was also 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 the year 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 & Amendment Act 2003, and the rules framed thereunder, viz., The Water (Prevention and Control of Pollution) Cess Rules, 1978.
- 2) The Environmental Protection Act, 1986 and the rules framed thereunder viz.,
  - The Hazardous Waste (Management and Handling) Rules, 1989.
  - The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
  - The Manufacture, Use, Import, Export & Storage of Hazardous Micro organism or Cells Rules, 1989.
  - The Public Liability Insurance Act, 1991.
  - The Environmental Impact Assessment Notification, 2006 and Amendments 2009.
  - The Chemical Accidents (Emergency Planning, Preparedness & Response) Rules, 1996.
  - The Bio-Medical Wastes (Management & Handling) Rules, 1998
  - The Recycled Plastics Manufacture and Usage Rules, 1999.
  - The Fly Ash Notification, 1999.
  - The Noise Pollution (Regulation and Control) Rules, 2000.
  - The Ozone Depleting substances (Regulation) Rules, 2000.
  - The Municipal Solid Wastes (Management & Handling) Rules, 2000.
  - The Batteries (Management & Handling) Rules 2001.
- 3) The Public Liability Insurance Act, 1991

The Board has been functioning with 66 Staff as on 31st March 2014 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 & 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 in May 1998 vide Notification No. PHE 161/83/178 dtd. the 21st May1998. However, the three non- officials members were renotified 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 **2013-2014** Shri M. Allya as the Chairman of the Board w.e.f. **01/04/2013** and **Shri N.P. Gupta** as the Member Secretary of the Board w.e.f **01/04/2013**.

## 3 MEETINGS OF THE BOARD WITH MAJOR DECISIONS

During the year 2013-2014, the Board conducted the following Meetings:

Sl. No.	Meeting No.	Date	Venue	No. Of Members Attending the Meeting
1	59th Board Meeting	27/08/2013	Office chamber of the Chairman, MSPCB	8 (eight)
2.	60th Board Meeting	29/01/2014	Office chamber of the Chairman, MSPCB	7 (Seven)

### THE 59th BOARD MEETING HELD ON THE 27th AUGUST 2013

*The following major decisions were taken during the Meeting:*

**i) Annual Report of Meghalaya State Pollution Control Board for the year 2010-11 and 2011-2012**

It was informed that the Annual Report of the office of the Board for the year 2010-11 and 2011-12 has been prepared and placed before the Board meeting for approval.

The Members prayed for time to go through the Annual Reports and will offer their views and comments.

The Board decided that the Members will peruse the Annual Reports and submit their views and comments within two months. It was also decided that if the views and comments have not been submitted within the given time frame, the Annual Reports will be taken as approved. Further, if anything else comes up, it will be taken in the next Board Meeting.

**ii) Shortfall of Non-Plan Fund from State Government**

It was informed that the State Govt. has sanctioned ` 272.00 lakhs for payment of Salary under Grant-in-Aid (Non-Plan) for the financial year 2012-13. However, `183.60 lakhs was received by the Board. ` 88.40 lakhs sanctioned in 4th installment during the year 2012-13 was not disbursed by the office of the Chief Engineer, PHED, Shillong due to Govt. restriction of payment under Non-Plan. The matter has been moved to the Govt. for sanctioning the balance amount of ` 88.40 lakhs in this current financial year 2013-14.The matter is placed before the Board for information and discussion.

It was also informed that ` 88.40 lakhs has been borrowed from the Board's Revenue and will be reverted once sanction has been received from the Govt. and requested approval from the Board for regularization of the amount incurred.



The Board approved the amount incurred and decided that the Govt. should be pressured to release the balance amount so that it can be reverted back to the Board's Revenue.

**iii) Directions of the National Green Tribunal**

**(a) National Green Tribunal Order Dated 8th May 2013:**

It was informed that the Central Pollution Control Board has forwarded the National Green Tribunal Order No.4 Dtd. 8th May 2013 in the application No. 37 of 2013:Wassan Singh Vs State of Punjab – regarding sealing the units operating without obtaining Consent from SPCBs/PCCs vide letter No. B-4002/PCI(SSI)2013/1526 Dtd. July 04, 2013. It was also informed that as per the NGT 'Order' the concerned Pollution Control Boards are to execute the Order accordingly and the CPCB is to file Action Taken Report in the Registry of the Tribunal within a period of 3 (three) weeks. The CPCB vide its letter No. B-4002/PCI(SSI)/ has requested the Meghalaya State Pollution Control Board to take immediate action to ensure that the units operate with proper consent from the Board and also to ensure that action is taken against units violating the norms. It also requires that MSPCB provide ATR to Hon'ble NGT with copy endorsed to its office. The matter was placed before the Board for discussion.

It was suggested that identification of the units violating the norms and operating without the Consent of the Board by engaging a third party to carry out the survey work. The survey will be done as per categorization of industries as notified by the Board, i.e. Red, Green and Orange to identify the polluting industries.

After a thorough deliberation in the matter, the Board decided that identification of the polluting units should be carried out.

**(b) National Green Tribunal Judgement Dated 9th May 2013:**

It was informed that the Central Pollution Control Board has forwarded National Green Tribunal's Judgement Dtd. 9th May 2013 in the application No. 65 of 2012 (THC) between Sureshbhai Keshavbhai Waghvankar & Ors. Vrs – the State of Gujarat – regarding ban for use of Plaster of Paris (PoP) in idols of Hindu gods / goddesses vide letter No. A-19014/1/09-Mon/2623. It was also informed that as per the NGT Judgement, the CPCB and all the Pollution Control Boards which are covered by the Water (Prevention & Control of Pollution) Act, 1974 are directed to undertake scientific study of the impact of PoP made idols on immersion thereof, in relation to water quality of rivers, ponds, sea or other sources and examine whether it is an environment pollutant and for examining whether the immersion of PoP made idols, in fact cause nuisance, the PCBs are directed to appoint an Expert Committee. The Judgment further states that the Pollution Control Boards or the Central Government or the State Government

may issue directions in accordance with the powers available under section 33-A of the Water Act, 1974 or any other provisions under the said Act or any other Act, in order to control water pollution or to avoid the nuisance caused on account of the PoP made idols. Further, the CPCB has requested necessary action be taken and the status informed to its office, so that consolidated status can be informed to the Registrar NGT. The matter was placed before the Board for discussion.

The Members were informed that an Enquiry team in this regard has been constituted with terms of reference.

The Board decided that the Enquiry team should contact the Central Puja Committee and identify types of materials used in making the idols as well as to find out the immersion site, etc. and Report of the Enquiry team should be placed in the next Board Meeting.

**(c) National Green Tribunal Order Dated 5th August 2013:**

It was informed that a copy of letter No. FOR.101/2013/3 Dtd. 13th August 2013 from the Forest & Environment Department to the (i) Principal Chief Conservator of Forests (ii) All Deputy Commissioners and (iii) All Superintendents of police, enclosing NGT Order Dtd. 5th August 2103 in Application No. 171 of 2013 between National Green Tribunal Bar Association – Vrs – Ministry of Environment & Forests & Ors., has been received by the office of the Board for information and necessary action. The matter is about large scale illegal and impermissible mining activity going on, on the banks of Yamuna, Ganga, Chambal and Revati amongst others, removal of minerals from the river beds, etc. It was also informed that the NGT Order states that, in the meantime, it restrains any person, company, authority to carry out any mining activity or removal of sand, from river beds anywhere in the country without obtaining Environmental Clearance from the MoEF / SEIAA and License from the competent authorities and all Deputy Commissioners, Superintendent of Police and Mining Authorities of all respective States are directed to ensure compliance of the directions. The matter was placed before the Board for discussion.

The Members were also informed that the Govt. has directed the Meghalaya State Pollution Control Board to prepare a draft proposal for regulation of sand mining in the State. The draft proposal was circulated to the Members present for their views, suggestions, etc.

The Members opined that framing of Minor Minerals Concession Rules is necessary for regulating the mining of Minor minerals including river sand. Further, the Members felt that since all mining projects (major & minor minerals) with lease area of less than 5 ha falls under B category and requires Environmental Clearance from the State Environment Impact Assessment Authority (SEIAA), hence, the Govt. needs to strengthen the SEIAA and SEAC.

The CEM, KHADC opined that even though in Meghalaya, exploitation of minerals is unregulated, however, the provisions of the Sixth Schedule will have to be taken into consideration. He added that he will take up the matter with the Minister i/c Forest Department.

After a thorough deliberation, the Board decided that the draft proposal should be sent to the Govt. and any input from the Members of the Board will also be forwarded to the Govt.

**iv) Reconstitution of the Purchase Committee of MSPCB**

It was informed that the Purchase Committee of the Board constituted vide Notification No. MPCB/ESTT-24 (Pt-I)/2008-2009/35 Dtd. 11th April 2008 for a term of 3 (three) years has expired since April 2011. It is proposed that the tenure of the Committee may be extended up to 31st August 2013. Further, a proposal for reconstitution of the Purchase Committee of the Board comprising of the following Members is placed before the Board for necessary approval.

1.	The Chairman, Meghalaya State Pollution Control Board	CHAIRMAN
2.	The Director, SAIF, NEHU, Shillong	MEMBER
3.	The Chief Engineer, PHE or his nominee	MEMBER
4.	The Director of Commerce & Industries or his nominee	MEMBER
5.	The Director of Health Services (Research) or his nominee	MEMBER
6.	The I/C Zonal Office, CPCB, Shillong or his nominee	MEMBER
7.	The Senior Accountant, MSPCB	MEMBER
8.	The Member Secretary, MSPCB	CONVENER

The Board approved the proposal for reconstitution of the Purchase Committee of the Meghalaya State Pollution Control Board comprising of Members as proposed. The Board also approved the proposal to extend the tenure of the earlier Purchase Committee up to 31st August 2013.

**v) Proposal for appointment of Board's Analyst**

It was informed that at present, the Board have 2(two) Govt. Analysts and 1(one) Board's Analyst for the purpose of the analysis of water, air, soil samples. Since the activities of the Laboratory have increase tremendously, the appointment of another Board's Analyst has become necessary. In this regard, the name of Shri S. Swer, Scientist 'B' is proposed for appointment as Board's Analyst, as the proposed Scientist is having adequate experience and requisite qualification to be the Board's Analyst.

The matter is placed before the Board for approval.

The Board approved the proposal to appoint Shri S. Swer, Scientist 'B' as the Board's Analyst.

**vi) Regulating Automobile Repairing Workshops / Servicing Centers / Spray Painting units under Consent Management**

It was informed that it has come to the knowledge of the office of the Board that there are a number of Automobile Repairing Workshops / Servicing Centers / Spray Painting units in the State which are operating without requisite Consent of the Board under the Water and Air Acts. By being outside the ambit of Consent Management under the said Acts, such units have long been able to flout all prescribed norms / standards in terms of control of air and water pollution including management and disposal of wastes generated. Moreover, these unregulated units are located in residential areas also pose a health hazard to the surrounding residents. As such, there is an immediate need to regulate such units for securing uniformity in compliance with Siting Norms / Effluent / Emission Standards prescribed by the Board from time to time. In order to bring Automobile Repairing Workshops / Servicing Centers / Spray Painting units under the purview of Consent Management, the following are proposed: -

1. A Public Notice to be published in English and local vernacular conveying that all Automobile Repairing Workshops / Servicing Centers / Spray Painting units in the State will have to obtain Consent under Section 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 within a definite time frame.
2. Stringent action under the prevailing laws and rules to be taken against units which fail to comply within the stipulated period.
3. Such actions against defaulting units will be communicated to concerned authorities like Deputy Commissioner, Cantonment Board, MeECL, SMB, MUDA, District Council, Rangbah Shnongs for appropriate corrective action from their end.

The Board approved the proposal to bring the Automobile Repairing Workshops / Servicing Centers / Spray Painting units under the purview of Consent Management for which the following actions are required to be taken by the office of the Board: -

1. A Public Notice to be published in English and local vernacular conveying that all Automobile Repairing Workshops / Servicing Centers / Spray Painting units in the State will have to obtain Consent from the Board within a definite time frame.
2. Stringent action under the prevailing laws and rules to be taken against units which fail to comply within the stipulated period.
3. Such actions against defaulting units will be communicated to concerned authorities like Deputy Commissioner, Cantonment Board, MeECL, SMB, MUDA, District Council, Rangbah Shnongs for appropriate corrective action from their end.

**vii) Bank Guarantees against securing Compliance under Water and Air Acts**

It was informed that as per decision of the Board vide Agenda Item No. 2.2.14 taken during the 37th Meeting held on 2nd August 2002 stated that “In case a defaulting unit / firm responses to a Show-cause Notice and asks for more time to comply to the terms and conditions of the CTE or to implement the instructions / directions of the Board, the extension may be granted for specified period on submission of an affidavit-cum-undertaking along with a Bank Guarantee of ` 1.00 lakh to ` 2.00 lakh) depending on the size of an industrial unit) which will be forfeited to the Board in case the defaulting unit fails to comply within the stipulated period.” As defaulters with respect to “Compliance” under Water and Air Acts are units ranging from Automobile Workshops having capital investment of even less than Rupees One lakh only up to Cement Projects with capital investment more than Rupees One Thousand Crores only, perhaps, the amount of Bank Guarantee specified in the 37th Meeting has become redundant and needs to be revised. For effective and timely “compliance “by defaulting units, it is felt that the amount of Bank Guarantee should commensurate with the capital investment on the Project. Towards this end, it is proposed that a reasonable percentage, say, 10% (ten percent) of the capital cost may be taken as amount of Bank Guarantee.

The Board gave liberty to the Engineers of the Board to fix a percentage ranging from 1% to 5 % depending on the size of the industry as amount of Bank Guarantee.

**viii) Budget of the Meghalaya State Pollution Control Board for the year 2014-2015**

It was informed that the Budget proposal of the Board under Grant-in-Aid is about ` 617, 15,840.00 (Rupees Six crores seventeen lakhs fifteen thousand eight hundred forty) only for Non-Plan and about ` 205, 08,976.00 (Rupees Two crores five lakhs eight thousand nine hundred seventy six) only for Plan. The matter was placed before the Board for approval before submission to the State Government.

The Board approved the Budget proposal and decided that the Budget should be submitted to the State Govt.

**THE 60<sup>th</sup> BOARD MEETING HELD ON THE 29<sup>th</sup> JANUARY 2014**

The following major decisions were taken during the Meeting:

**i) Annual Report of Meghalaya State Pollution Control Board for the year 2010-11 and 2011-2012**

It was informed that the Annual Report of the Board for the year 2010-2011 and 2011-2012 were circulated to the Members for their views and comments, however, till date no views and comments were received from the Members. As per decision of the 59th Board Meeting, the



Annual Reports will be taken as approved if the views and comments have not been received from the Members within two months.

Since the time given to the Members to submit their views and comments is over, the Annual Reports are deemed approved and the Board decided that the Annual Reports may be sent for printing.

**ii) Regulating Automobile Repairing Workshops / Servicing Center / Spray Painting units under Consent Management**

A Public Notice to owners of Automobile Repairing Workshops / Servicing Centers / Spray Painting units in Meghalaya was issued vide letter No. MPCB/TB-HSM-4/2006/MUIES/2013-2014/12 Dtd. 31st October 2013. The Public Notice was sent to the Director of Information & Public Relations to publish in one issue of the Shillong Times, Mawphor, Salantini Janera and U Jaintia. The Public Notice was also sent to all the Deputy Commissioners and other related Government Departments.

It was also informed that Spray painting is a procedure which by nature of the activity and chemicals handled requires a space where air pollutants emitted can be effectively controlled for the health and safety of the workers as well as the neighbours. Towards this end, it is suggested that “Guidelines for Spray Painting Units” may be endorsed.

The Environmental Engineer informed that major workshops invested a considerable amount for equipments for spray-painting, however, the concern is for small units which operate without basic facilities which may contribute to air pollution. He also informed the Members that recently based on a complaint; one spray painting unit without Pollution Control mechanism had been closed down.

In reply to the Member’s query, it was informed that Guidelines for Automobile Workshops is already in existence.

After a thorough deliberation, the Board decided that the existing Guidelines for Workshops may be modified taking into account the issues of Spray painting and place in the next Board Meeting.



## 4 COMMITTEES CONSTITUTED BY THE BOARD & THEIR ACTIVITIES

### 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

### 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), : Member  
Umiam
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 Convener  
Meghalaya State Pollution Control Board, Shillong.

### 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 : Member Convener  
Board, Shillong.

### 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, : Member  
O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong
6. Administrative Officer/Establishment Officer : Member Convener  
Meghalaya State Pollution Control Board, Shillong.



## MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE FOR GRADE-‘B’,‘C’&‘D’ POSTS

- |                                                                                                      |                   |
|------------------------------------------------------------------------------------------------------|-------------------|
| 1. Member Secretary,<br>Meghalaya State Pollution Control Board, Shillong                            | : Chairman        |
| 2. Chief Administrative Officer,<br>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<br>Meghalaya State Pollution Control Board, Shillong | : Member Convener |

## 5 MONITORING NETWORK FOR AIR, WATER & NOISE LEVEL QUALITY

### 5.0 AIR QUALITY MONITORING

#### 5.0.1 NATIONAL AIR QUALITY MONITORING

The Meghalaya State Pollution Control Board is monitoring the Ambient Air Quality at 7 (seven) stations in the state under National Air Monitoring Programme (NAMP) sponsored by CPCB (Fig 5.0.1). The frequency of monitoring is twice a week. Particulate Matter (PM<sub>10</sub>), Sulfur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>) and meteorological parameters viz. wind speed, wind direction, ambient air temperature, humidity, etc. were monitored at these stations and the observations are presented below:-

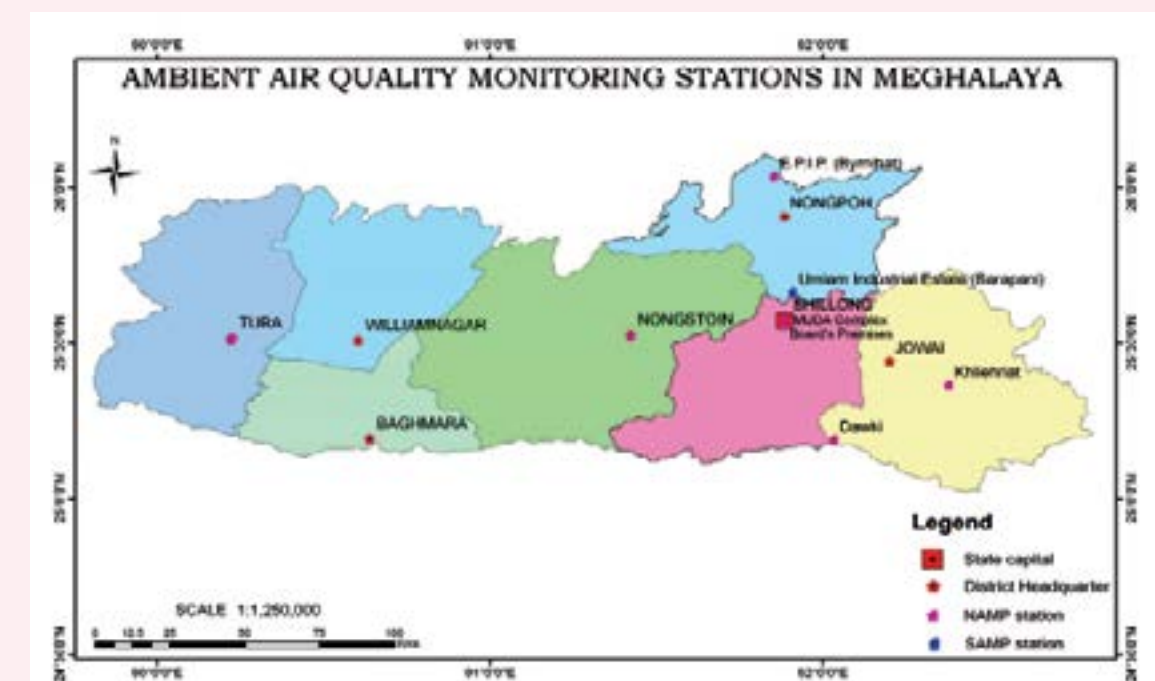


Fig.5.0.1: Location of NAMP and SAMP stations in the state.

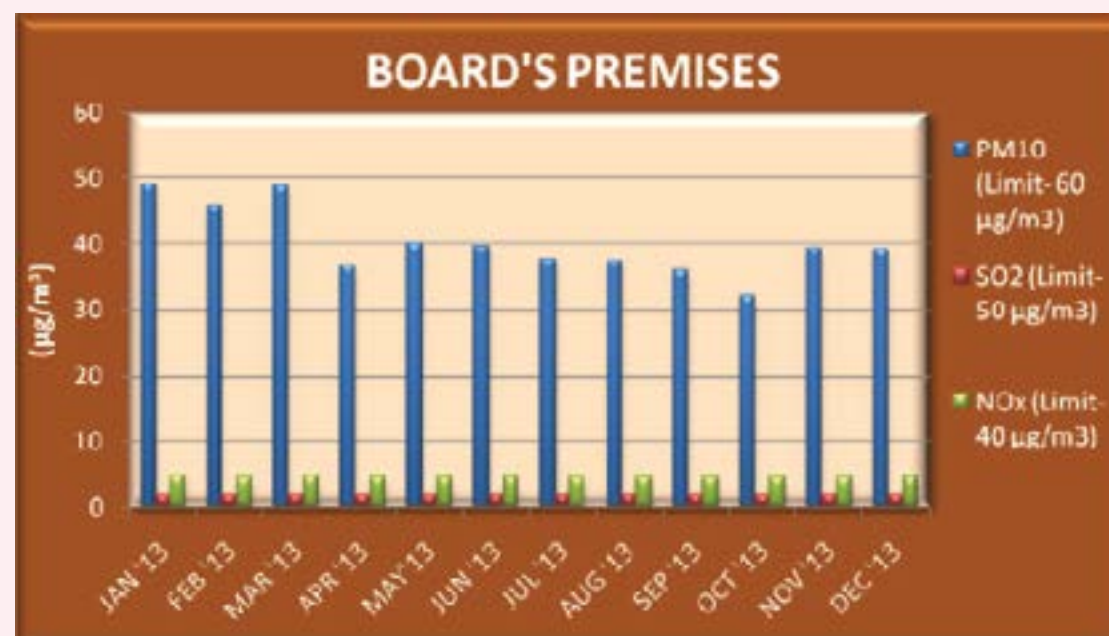
#### 1. Board's Office Premises, Lumpynggad, Shillong (Station – I):

Ambient air quality monitoring data during 2013 monitored at the Board's Office Premises, Lumpynggad, Shillong, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>) & Particulate Matter (PM<sub>10</sub>) are within the prescribed standards of National Ambient Air Quality standards. The monitoring results during the period is shown in **Table-5.0.1.1** and depicted in **Figure 5.0.1.2**

**Table 5.0.1.1 : Ambient Air Quality data at Board's Office Premises, Lumpyngngad, Shillong, (Stn – I), 2013**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg
PM10 (µg/m³)	49.1	45.9	48.9	36.8	40	39.7	37.7	37.6	36.1	32.1	39.5	39.2	40.2
SO <sub>2</sub> (µg/m³)	2	2	2	2	2	2	2	2	2	2	2	2	2.0
NOx (µg/m³)	4.7	4.5	4.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5

**Permissible Limits: PM10(µg/m³) – 60, SO<sub>2</sub>(µg/m³) – 50, NOx(µg/m³) - 40**



*Fig 5.0.1.2 Monthly average of PM10, SO<sub>2</sub>, and NOx levels at Board's Premises, Shillong.*

## 2. MUDA Complex, Police Bazar, Shillong (Station – II):

Ambient air quality monitoring data during 2013 monitored at MUDA Complex, Police Bazar, Shillong, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), and Oxides of Nitrogen (NOx) are within the prescribed standards of National Ambient Air Quality standards. Particulate Matter (PM10) levels are above the National Ambient Air Quality standards. The monitoring results during the period is shown in Table-5.0.1.2 and depicted in Figure 5.0.1.3

**Table 5.0.1.2 : Ambient Air Quality data at MUDA Complex, Police Bazar, Shillong (Stn – II), 2013**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	92.3	93.2	94.7	93.2	87.5	89.2	88.6	85.3	86.7	85.3	85.8	82.9	88.7
SO <sub>2</sub> (µg/m³)	2.1	2.7	2.3	2.4	4.9	3.8	3.7	3.2	2.8	2.3	2.2	2.5	2.9
NOx (µg/m³)	18.0	17.6	18.1	18.6	18.1	16.9	16.1	17	16.9	16.6	13.8	13.8	16.7

**Permissible Limits: PM10(µg/m³) – 60, SO<sub>2</sub>(µg/m³) – 50, NOx (µg/m³) - 40**



*Fig 5.0.1.3 Monthly average of PM10, SO<sub>2</sub>, and NOx levels at MUDA Complex, Police Bazar, Shillong.*

## 3. EPIP, Byrnihat, Ri-Bhoi District (Station – III)

Ambient air quality monitoring data during 2013 monitored at EPIP, Byrnihat, Ri-Bhoi District, an industrial area, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), and Oxides of Nitrogen (NOx) are within the prescribed standards of National Ambient Air Quality standards. Particulate Matter (PM10) levels are above the National Ambient Air Quality standards. The monitoring results during the period is shown in Table-5.0.1.3 and depicted in Figure 5.0.1.4



**Table 5.0.1.3 : Ambient Air Quality data at EPIP, Byrnihat, Ri Bhoi District , (Stn – III), 2013**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	149.1	140.1	125.6	139.4	92.9	115.4	116.3	121.4	119.4	135.2	99.5	98.3	121.0
SO <sub>2</sub> (µg/m³)	28.9	25.0	20.3	16.7	16.8	14.4	17.9	18.3	16.8	17.1	38	26.3	21.3
NOx (µg/m³)	19.0	13.7	16.3	14.5	14.2	13	15	14.9	12.6	13.2	13	13.3	14.3

Permissible Limits: PM10(µg/m³) – 60, SO<sub>2</sub> (µg/m³) – 50, NOx(µg/m³) - 40



Fig 5.0.1.4 Monthly average of PM10, SO<sub>2</sub>, and NOx levels at EPIP, Byrnihat, Ri Bhoi District.

#### 4. Dawki, West Jaintia Hills District (Station – IV)

Ambient air quality monitoring data during 2013 monitored at Dawki, West Jaintia Hills District, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NOx) & Particulate Matter (PM10) are within the prescribed standards of National Ambient Air Quality standards. The monitoring results during the period is shown in Table 5.0.1.4 and depicted in Figure 5.0.1.5

**Table 5.0.1.4 : Ambient Air Quality data at Dawki, West Jaintia Hills District, (Stn-IV), 2013.**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	49.8	47.5	48.0	41	26.7	32.5	34.2	39.1	43.8	46.7	46.4	46.4	41.8
SO <sub>2</sub> (µg/m³)	2	2	2	2.4	2	2	3.1	2.7	2	2.3	2	2.1	2.5
NOx (µg/m³)	13.0	9.1	10.6	9.9	7.7	8.3	8.4	9.4	12.6	10.1	10.9	8.9	9.9

Permissible Limits: PM10(µg/m³) – 60, SO<sub>2</sub> (µg/m³) – 50, NOx (µg/m³) - 40

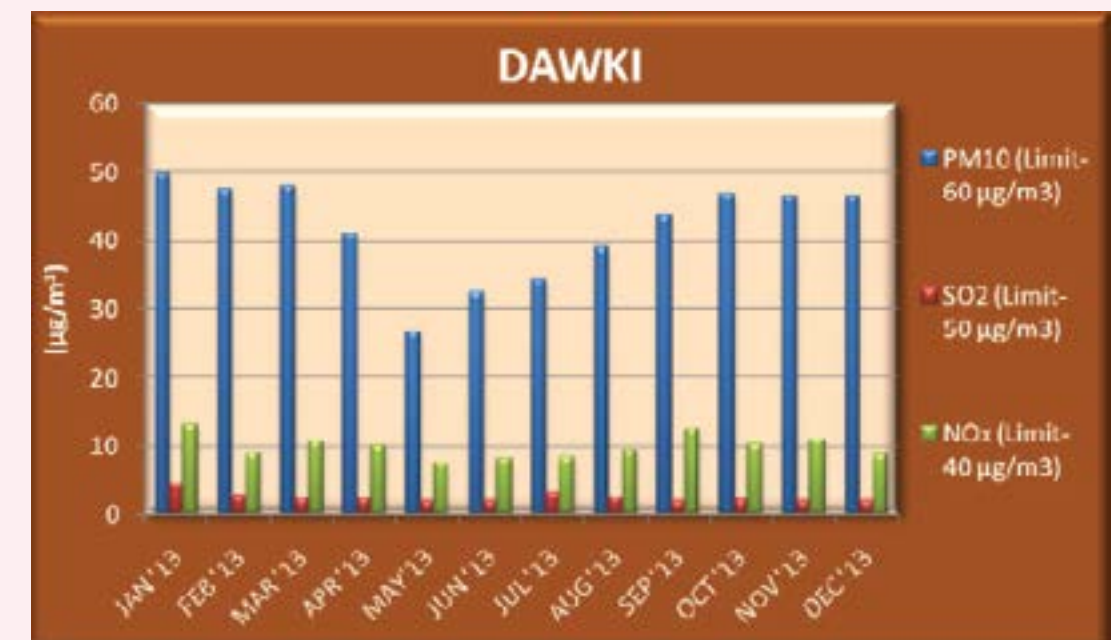


Fig 5.0.1.5 Monthly average of PM10, SO<sub>2</sub>, and NOx levels at Dawki, West Jaintia Hills District.

#### 5. Tura, West Garo Hills District (Station – V)

Ambient air quality monitoring data during 2013 monitored at Tura, West Garo Hills District, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NOx) & Particulate Matter (PM10) are within the prescribed standards of National Ambient Air Quality standards. The monitoring results during the period is shown in Table-5.0.1.5 and depicted in Figure 5.0.1.6

**Table 5.0.1.5 : Ambient Air Quality data at Tura, West Garo Hills District, (Stn – V), 2013.**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	55.1	46.7	34.3	31.8	33.8	35	24.4	37.9	34.1	36.4	49	31.5	37.5
SO <sub>2</sub> (µg/m³)	2	2	2	2	2	2	2	2	2	2	2	2	2.0
NOx (µg/m³)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5

Permissible Limits: PM10 (µg/m³) – 60, SO<sub>2</sub> (µg/m³) – 50, NOx (µg/m³) - 40

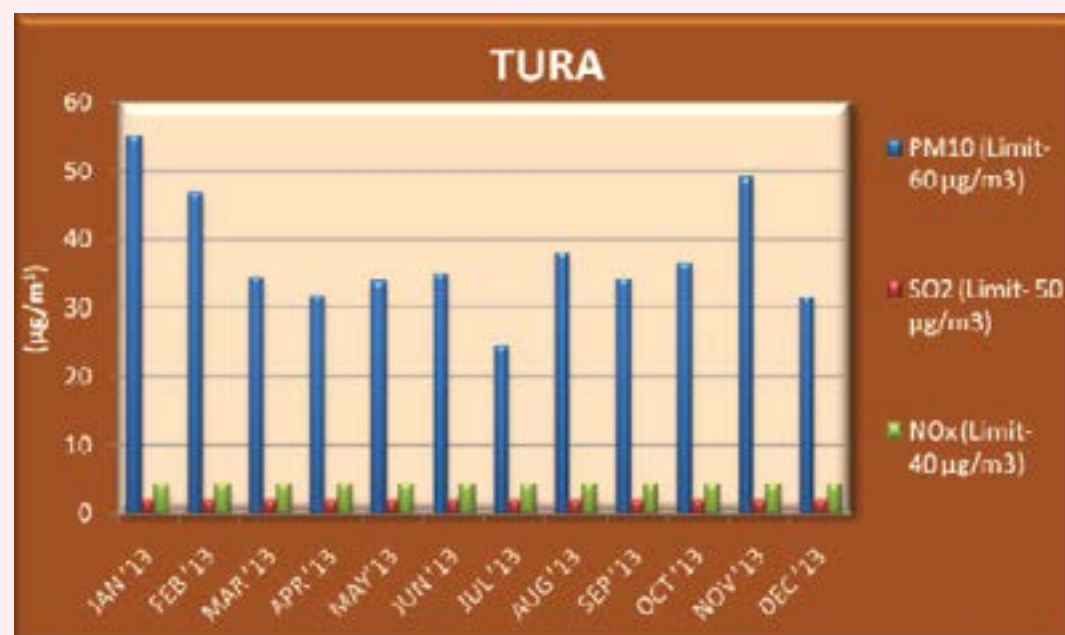


Fig 5.0.1. 6 Monthly average of PM10, SO2, and NOx levels at Tura, West Garo Hills District.

#### 6. Khliehriat, Jaintia Hills District, (Station – VI).

Ambient air quality monitoring data during 2013 monitored at Khliehriat, Jaintia Hills District, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), and Oxides of Nitrogen (NOx) are within the prescribed standards of National Ambient Air Quality standards. Particulate Matter (PM<sub>10</sub>) levels are above the National Ambient Air Quality standards. The monitoring results during the period is shown in **Table-5.0.1.6** and depicted in **Figure 5.0.1.7**

**Table 5.0.1.6 : Ambient Air Quality data at Khliehriat, Jaintia Hills District (Stn-VI), 2013.**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	52.2	51.2	47.7	42.6	40.4	40.7	19.6	16.4	27.2	33	39.9	48.3	38.2
SO <sub>2</sub> (µg/m³)	2	2	2	2	2	2	2	2	2	2	2	2	2.0
NOx (µg/m³)	11.3	11.0	10.4	9	8.7	5.8	4.5	4.5	4.5	6.6	4.5	4.5	7.1

Permissible Limits: PM10 (µg/m³) – 60, SO<sub>2</sub> (µg/m³) – 50, NOx (µg/m³) - 40

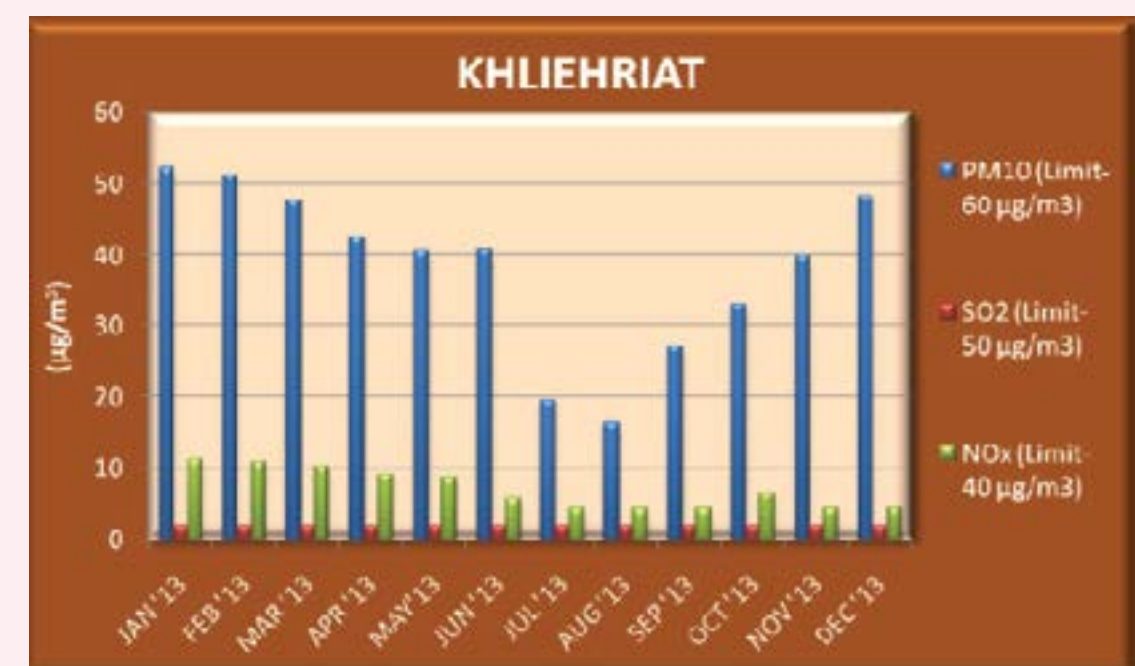


Fig. 5.0.1.7 Monthly average of PM10, SO<sub>2</sub>, and NOx levels at Khliehriat, Jaintia Hills District

#### 7. Nongstoin, West Khasi Hills District. (Station – VII)

Ambient air quality monitoring data during 2013 monitored at Nongstoin, West Khasi Hills District, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NOx) & Particulate Matter (PM10) are within the prescribed standards of National Ambient Air Quality standards. The monitoring results during the period is shown in **Table-5.0.1.7** and depicted in **Figure 5.0.1.8**

**Table 5.0.1.7 : Ambient Air Quality data at Nongstoin, West Khasi Hills District. (Stn-VII), 2013.**

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	29.3	31.0	30.3	27.2	27.2	25.3	24	23.2	22.8	21.3	22.9	21.1	25.4
SO <sub>2</sub> (µg/m³)	2	2	2	2	2	2	2	2	2	2	2	2	2.30
NOx (µg/m³)	4.9	5.9	5.5	5.9	5.1	6.5	8.4	8.2	7.8	6.6	5.2	4.5	6.2

Permissible Limits: PM10 (µg/m³) – 60, SO<sub>2</sub> (µg/m³) – 50, NOx (µg/m³) - 40



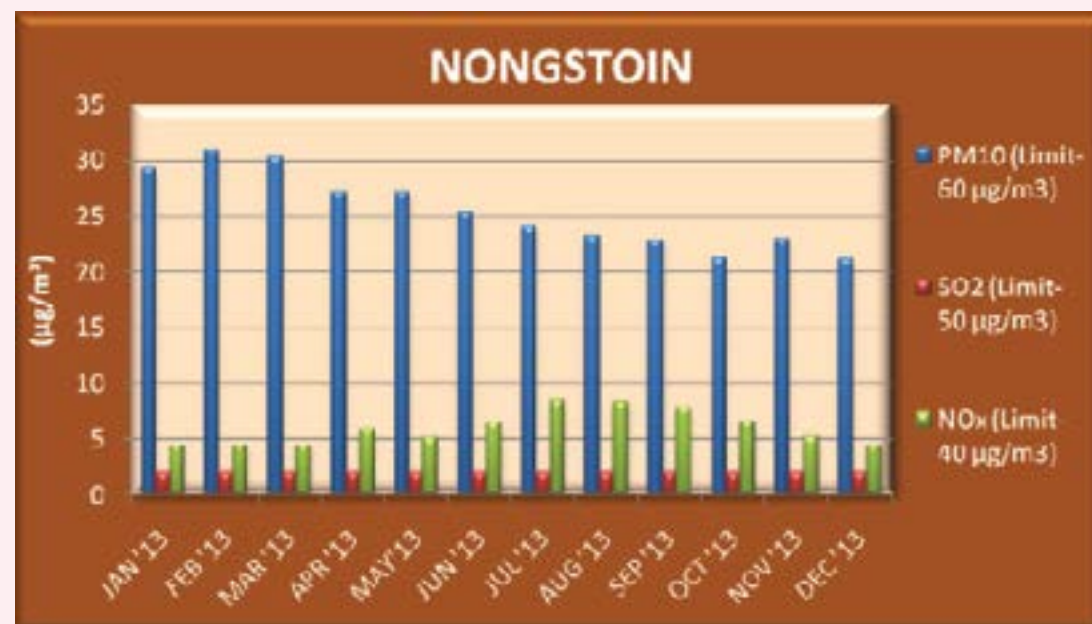


Fig. 5.0.1.8 Monthly average of PM10, SO<sub>2</sub>, and NO<sub>x</sub> levels at Nongstoin, West Khasi Hills District.

## 5.0.2 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 presented ambient air quality standards are violated. The results obtained during monitoring are depicted as follows:-

Ambient air quality monitoring data during 2013 monitored at Umiam Industrial Estate, Ri-Bhoi District, revealed that the Annual Average concentrations of Sulphur Dioxide (SO<sub>2</sub>), and Oxides of Nitrogen (NO<sub>x</sub>) are within the prescribed standards of National Ambient Air Quality standards. Particulate Matter (PM10) levels are above the National Ambient Air Quality standards. The monitoring results during the period is shown in Table-5.0.2.1 and depicted in Figure 5.0.2.1

Table 5.0.2.1: Ambient Air Quality data at Umiam Industrial Estate, Ri-Bhoi District, 2013.

Months → Parameters ↓	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual Avg.
PM10 (µg/m³)	140.0	134.0	126.0	81	74	68	68	74	71	68.5	78	110	91.0
SO <sub>2</sub> (µg/m³)	2	2	2	2	2	2	2	2	2	2	2	2	2.0
NO <sub>x</sub> (µg/m³)	15.9	17.0	14.0	13.5	14.5	11.5	12.3	10.4	13.1	11	12.8	13.7	13.3

Permissible Limits: PM10(µg/m³) – 60, SO<sub>2</sub>(µg/m³) – 50, NO<sub>x</sub>(µg/m³) – 40

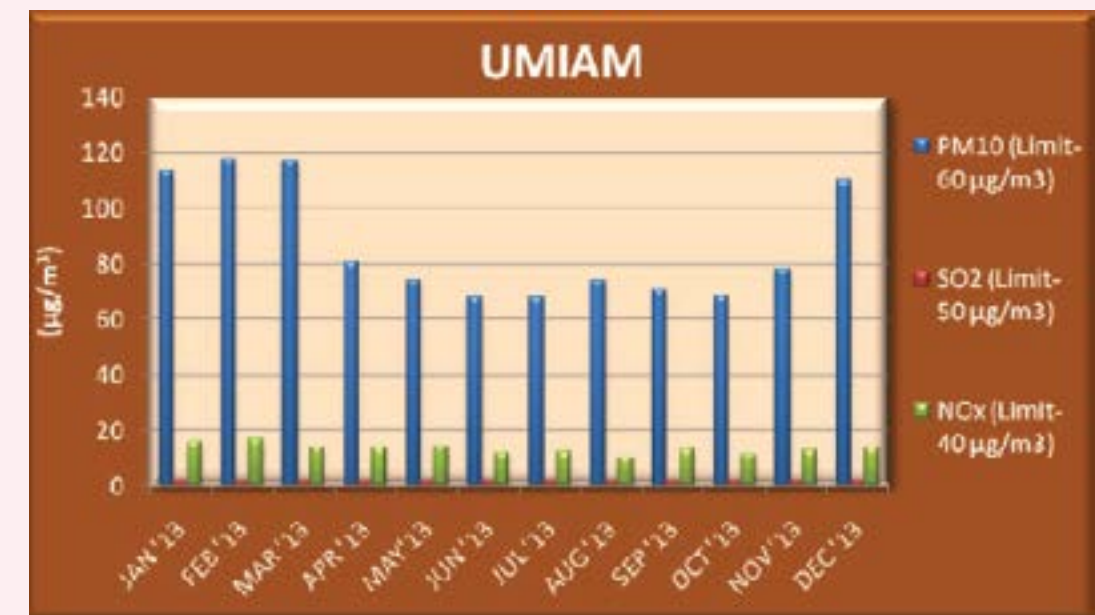


Fig. 5.0.2.1 Monthly average of PM10, SO<sub>2</sub>, and NO<sub>x</sub> levels at Umiam Industrial Estate, Ri-Bhoi District.

## 5.0.3 AIR QUALITY MONITORING FOR SOME INDUSTRIAL UNITS.

The Board carried out Ambient Air (Table -5.0.3.1) and Source emission (Table-5.0.3.2) quality monitoring for some industrial units operating in the state. The following results were obtained during the monitoring: -

Table 5.0.3.1 : Ambient Air Quality data during 2013-2014.

Sl. No.	Name of Industry/ Location	Sampling Station	Date of Sampling	PM10 (µg/m³)	SO <sub>2</sub> (µg/m³)	NO <sub>x</sub> (µg/m³)	Remarks
1	M/S CMCL, Khub Mines, Lumshnong.	Khub Mines, Mining area	23.04.13	95.2	3.9	15.1	W
		Khub Mines, Near Mines Office	23.04.13	74.4	2.6	8.0	W
2	M/S Star Cement Meghalaya Ltd., Lumshnong.	Labour Colony	23.04.13	87.4	6.0	12.8	W
		Near Raw Water Tank	24.04.13	63.0	7.7	8.3	W
		Near Hopper	24.04.13	61.6	8.1	10.4	W
3	M/S Komorrah Limestone Mining Co. Ltd., Bholaganj.	Dispensary	07.05.13	33.7	2.0	8.0	W
		Guest house	07.05.13	36.2	2.0	6.0	W
		Top quarry	08.05.13	75.0	2.0	10.2	W
		Near Loading station	08.05.13	80.8	2.0	9.9	W
4	M/S Pawan Castings (Meghalaya) Pvt. Ltd., Harlibagan, Byrnihat.	Near Administrative Office	29.10.13	131.6	18.7	8.3	A

5	M/S Amrit Cements Ltd., Mynkre.	Main Relay Sub-Station	05.11.13	114.4	7.0	8.5	A
		Residential Colony	06.11.13	65.0	4.5	8.2	W
		Near Primary Crusher	06.11.13	162.6	7.0	14.8	A
6	M/S Meghalaya Cements Ltd., Thangskai.	Near Guest House	12.11.13	76.1	3.6	11.6	W
		Near DG Set	12.11.13	195.5	5.6	11.2	A
		Near CCR	12.11.13	185.1	13.5	14.1	A
7	M/S Adhunik Cements Ltd., Thangskai.	Near Dispensary	12.02.14	169.5	13.3	11.3	A
		Thangskai Community Hall	12.02.14	119.1	10.6	11.6	A

W - Within Permissible Limits

A - Above Permissible Limits

**Table 5.0.3.2 : Stack monitoring data during 2013-2014.**

Sl. No.	Name of Sampling location	Date of Sampling	Type of Stack	Parameters tested	Observed value (mg/ Nm <sup>3</sup> )	Remarks
1	M/S Star Cement Meghlaya Ltd., Lumshnong.	24.04.13	Cooler (ESP)	PM	27.4	
		24.04.13	Coal Mill	PM	36.3	
		25.04.13	Kiln & Raw Mill	PM	31.5	
2.	M/S Shyam Century, EPIP, Byrnihat.	29.10.13	Captive Power Plant	PM	37.9	
3.	M/S Maithan Alloys (P) Ltd., EPIP, Byrnihat.	30.10.13	Captive Power Plant	PM	115.5	
4.	M/S Pawan Castings, Byrnihat.	30.10.13	Scrubber	PM	33.6	
5.	M/S Amrit Cements Ltd., Mynkre.	06.11.13	Captive Power Plant	PM	42.5	
		06.11.13	Kiln & Raw Mill	PM	44.6	
		06.11.13	Cooler (ESP)	PM	26.8	
6	M/S Meghalaya Cements Ltd., Thangskai	13.11.13	Captive Power Plant	PM	44.8	
7	M/S Adunik Cements Ltd., Thangskai.	12.02.14	Power Plant	PM	112.9	
		12.02.14	RABH	PM	46.2	
		13.02.14	ESP	PM	37.2	

W - Within Permissible Limits

A - Above Permissible Limits

#### 5.0.4 AIR QUALITY MONITORING DURING DIWALI FESTIVAL

The Board conducted the Ambient Air quality monitoring on 25th October ( pre-Diwali), on the 3rd November, 2013 (Diwali day) ,and on the 12th of November 2013 ( post-Diwali) day.

Ambient Air quality was monitored at: (1) Meghalaya Legislative Assembly’s premises, Police Bazar , and (2) Board’s Premises, Lumpyngngad.

The findings of the monitoring results indicates that the concentrations of SO<sub>2</sub> , NO<sub>2</sub> and PM<sub>10</sub> at both the locations i.e. the Meghalaya Legislative Assembly’s premises, 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 it is observed that the concentration of PM<sub>10</sub> was found to be on the higher side during Diwali day at both locations. Monitoring results are shown in Table-5.0.4.1 and depicted in Fig 5.0.4.1 and fig 5.0.4.2.

**Table 5.0.4.1 Ambient Air Quality during Diwali Festival**

Ambient Air Quality during Deepavali 2013									
Parameter →	SO <sub>2</sub>			NO <sub>2</sub>			PM <sub>10</sub>		
Monitoring Day	Pre-	Deepavali	Post-	Pre-	Deepavali	Post-	Pre-	Deepavali	Post-
Date → Location ↓	25.10.13	3.11.13	12.11.13	25.10.13	3.11.13	12.11.13	25.10.13	3.11.13	12.11.13
A. Board’s Premises, Lumpyngngad	2.0	2.0	2.0	4.5	4.5	4.5	31.6	44.4	35.7
B. Assembly premises, Police Bazar	2.0	3.8	2.4	13.5	16.7	14.0	84.2	89.6	80.6
National Ambient Air Quality Standards	80			80			100		

All values of concentrations are in µg/m<sup>3</sup> of air.

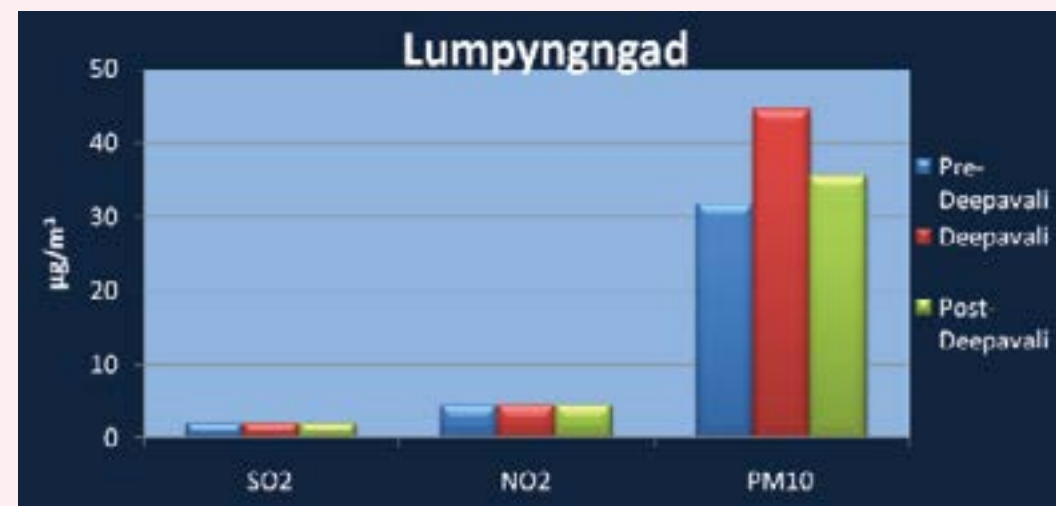


Fig. 5.0.4.1 Air quality at Board's Premises, Lumpyngngad during Diwali festival 2013



Fig. 5.0.4.2 Air quality at Meghalaya Legislative Assembly's premises, Police Bazar, Shillong during Diwali festival 2013.

### 5.1.0 ASSESSMENT OF VEHICULAR POLLUTION

The Board has an Auto-emission-testing centre in its office premises at Lumpyngngad, Shillong which has been functioning since January 1994. The 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. The number of vehicles tested during the period from 01.04.13 to 31.03.14 is as stated below :-

PERIOD	TYPE OF VEHICLES	TOTAL NO. OF VEHICLES TESTED	PERCENTAGE OF VEHICLES COMPLYING TO EMISSION STANDARDS	PERCENTAGE OF VEHICLES NON-COMPLYING TO EMISSION STANDARDS
01.04.2013 to 31.03.2014	Petrol-Driven LMV	3725	95%	5%
	Diesel-Driven LMV	1473	93%	7%

### 5.2.1 NOISE LEVEL MONITORING

#### 1. Noise level monitoring of Industry/Firm/Org/Private.

The Board conducted Noise level monitoring of Industry/Firm/Org/Private, etc. during 2013-2014. The ambient Noise levels recorded are presented as follows (Table-5.2.1) :

Table 5.2.1 : Noise level monitoring of Industry/Firm/Org/Private.

Sl. No.	Name of Industry / Firm / Org / Private	Date of sampling	Location of Sampling	Observed value {dB(A) Leq}		Prescribed Standard {dB(A) Leq}	Remarks
1	M/S Cement Manufacturing Company Ltd., Lumshnong.	24.04.13	Khub mines (Near Mines office)	Day	48.2	75	Within limits
				Night	46.2	70	Within limits
		24.04.13	Khub mines (Mining area)	Day	53.2	75	Within limits
				Night	49.4	70	Within limits
2	M/S Komorrah Lime-stone Mining Co. Ltd., Bholaganj.	7.05.13	Near Guest house	Day	60.1	75	Within limits
					55.2	70	Within limits
		7.05.13	Near Dispensary	Day	52.1	75	Within limits
				Night	38.2	70	Within limits
		8.05.13	Near Loading station	Day	72.7	75	Within limits
				Night	66.2	70	Within limits
		8.05.13	Quarry No. 7	Day	72.7	75	Within limits
				Night	66.2	70	Within limits
3	M/S IL&FS Transportation Network Ltd., Jorabat.	6.08.13	Premises of Civil Hospital, Nongpoh	Day	54.5	50	Above limits
				Night	48.7	40	Above limits



### 1. Noise Monitoring during Diwali festival :

The Meghalaya State Pollution Control Board, Shillong, conducted Ambient Noise Level tests during the Diwali festival on the 25th October (for pre-Diwali) and on the 3rd November, 2013 (on Diwali day). The monitoring was in pursuance to the Government of India's Notification and the interim directions of the Hon'ble Supreme Court.

#### 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 Legislative Assembly premises) and Lumpynggad (at the Meghalaya State Pollution Control Board's premises).

#### Instrument used and methodology

The monitoring team was equipped with a Larson-Davis DSP 80 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.

#### Findings

The findings of the monitoring are detailed in the tables and discussion below:

**Table 5.1.1 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.	44.4	95.3	45.4	47.2	110.0	68.7
19:00 to 20:00 Hr.	44.7	97.0	47.4	48.2	113.4	69.0
20:00 to 21:00 Hr.	48.4	93.3	48.9	46.7	109.5	66.5
21:00 to 22:00 Hr.	48.1	89.9	49.1	48.5	106.3	63.8
22:00 to 23:00 Hr.	39.3	91.1	41.7	47.8	108.5	59.4
23:00 to 24:00 Hr.	38.5	88.2	39.1	42.4	98.9	51.2

**Table 5.1.2 Location B: Police Bazar**

Location:B	Normal Day			Deepavali Day		
Time duration	Lmin	Lmax	Leq dB(A)	Lmin	Lmax	Leq dB(A)
18:00 to 19:00 Hr.	63.5	110.8	69.9	60.6	115.8	70.8
19:00 to 20:00 Hr.	62.2	107.6	65.6	66.7	118.1	72.4
20:00 to 21:00 Hr.	61.8	108.1	63.8	68.1	116.7	72.1
21:00 to 22:00 Hr.	57.5	103.5	59.8	72.0	119.0	73.5
22:00 to 23:00 Hr.	56.2	104.9	59.7	80.1	118.9	81.5
23:00 to 24:00 Hr.	57.0	99.3	58.2	76.9	112.2	80.3

### INTERPRETATION OF NOISE DATA/RESULTS

#### 1. Location A – Lumpynggad (MSPCB's office premises)

It is observed from the Table 1A above for Location A (Lumpynggad), that the monitored ambient noise level on a normal day (i.e. the 25th of October, 2013) from 18:00 Hrs. to 22:00 Hrs. (6:00 pm to 10:00 pm) is well within the ambient noise level standard of 55.0 dB (A) Leq for day time at residential areas. The night time noise level from 22:00 Hrs. up to 24:00 Hrs. (10:00 pm to 12:00 midnight) is also well below the night time ambient noise level standard of 45.0 dB (A) Leq.

On Diwali day (i.e. 3rd of November 2013) however, it is observed that there is an overall increase in the ambient noise level at the location. The average equivalent noise level (Leq) is comparatively higher as compared to that on the normal day (i.e. 25th October, 2013). As per the monitored observations, the noise level exceeds the ambient noise standards at all timings falling in the day as well as the night time duration. It is seen that the level is above 55.0 dB(A) standard at all measured hourly day intervals, the minimum monitored level being 63.8 dB(A) monitored from 21:00 Hr. to 22:00 Hr. (9:00 pm to 10:00 pm). The highest or maximum monitored Leq value of 69.0 dB(A) was measured during the day slot from 19:00 Hr. to 20:00 Hr. (7:00 pm to 8:00 pm). This is the time when the burning and bursting of crackers etc was at its peak. During the night time period from 22:00 Hr. to 24:00 Hr. (10:00 pm up to 12:00 midnight), it is seen that the noise is very much above the night time residential standard of 45.0 dB(A) Leq. The measured values are above the said standard during both monitored hourly intervals. The maximum level during the night watch is 59.4 dB(A) measured during the hourly interval from 22:00 Hr. to 23:00 Hr. (10:00 pm to 11:00 pm). The higher level of noise monitored at the location during Diwali day is attributed to the bursting of firecrackers and burning of sparklers etc. on the occasion.

#### 2. Location B - Police Bazar (Meghalaya Legislative Assembly office's premises)

It is observed from the Table 1B above that the noise level at Location B (Police Bazar), on a normal day (i.e. on the 25th of October, 2013) is above the standard limits of 65.0 dB (A) Leq (for



daytime) during the timings from 18:00 to 19:00 Hrs. ( 6:00 pm to 7:00 pm) and 19:00 to 20:00 Hrs. (7:00 pm to 8:00 pm) while it is within the same standard during the timings from 20:00 to 21:00 Hrs. (8:00 pm to 9:00 pm) and 21:00 to 22:00 Hrs. (9:00 pm to 10:00 pm). During the night time duration from 22:00 Hrs. to 23:00 Hrs. (10:00 pm to 11:00 pm)

and 23:00 Hr. to 24:00 Hr. (11:00 pm to 12:00 midnight), the noise level is 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 13th of November, 2013), it is observed that the overall average equivalent noise level (Leq) is comparatively higher than that on the normal day. For all timings from 18:00 Hrs. up to 24:00 Hrs. (6:00 pm up to 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 therefore be inferred that the cause for the higher ambient noise level monitored at the location on Diwali day is due to the bursting and burning of firecrackers and sparklers etc. on the occasion.

## 5.3 MONITORING OF WATER QUALITY

### 5.3.1 Water Quality Monitoirng Network

Meghalaya is one of the most beautiful hill state situated in the North Eastern India. The state is endowed generously by nature as far as water resources are concerned. A number of perennial rivers, Lakes and waterfalls grace this land on eternal charm and beauty. There are several rivers and streams, which have comparatively smaller stretch but are quite important due to their uses of water as most of them are exploited for drinking water, irrigation, industries, waste disposal etc.

Since last few decades or so the state has started facing serious problems of surface and groundwater pollution due to indiscriminate discharge of untreated municipal effluents, industries, agricultural runoff . Open defecation and dumping of solid wastes on the river banks also contribute to water pollution. Unorganized mining activities mainly of coal on a large scale in almost all the parts of the state is another major source of water pollution.

In order to obtain information regarding the overall health and general environmental state of the rivers and ground water resources of the state, the Meghalaya State Pollution Control Board is monitoring the water quality of the selected water bodies in the state under National Water Monitoring Programme (NWMP) on regular basis. The monitoring covers 20 rivers/streams, 4 lakes and 7 spring/well. A total of 54 sampling locations (47 nos. of surface water and 7 nos. of ground water) are monitored. The monitoring of the water quality is one of the purpose of prevention and control of water pollution and maintaining or restoring the wholesomeness of water

as indicated in the Water (Prevention and Control of Pollution) Act 1974. The monitoring is done on monthly basis for surface and on half yearly basis for ground water. The regular parameters analyzed include pH, Conductivity, Turbidity, Total Suspended Solids, Total Dissolved Solids , Nitrite Nitrogen, Nitrate Nitrogen(NO<sub>3</sub>),AmmoniaNitrogen,KjeldahlNitrogen,Sulphate,Chloride, Hardness,Calcium,Magnesium,Sodium ,Potassium, Total Phosphate Acidity, Alkalinity,Flouride, Dissolved Oxygen, Bio-Chemical Oxygen Demand, Chemical Oxygen Demand, Total Coliform, Fecal Coliform .The metals viz Iron, Zinc, Manganese, Copper, Lead, Cadmium, Chromium and Nickel are analysed once a year in the month of April. The detail of the monitoring stations with regard to location is as mentioned in the Table below:-

**TABLE 5.3.1 – WATER QUALITY MONITORING STATIONS**

District	Name of Water Bodies	Locations of sampling station	Monitoring Frequency
Ri-Bhoi District	Umiam Lake	i. Outfall of Umiam River into lake ii. Near United Christian College iii. Exit point iv. Middle point	Monthly
	Umtrew River	i. Umran ii. Byrnihat	Monthly
East Khasi Hills District	Umkenh River	i. Wah Kdait ii. Kshepongden iii. Diengpasoh	Monthly
	Umkhrah River	i. Demthring, Shillong ii. Umkaliar, Shillong iii. Mawlai, Slaughter iv. Mawpdang,	Monthly
	Umshyrpi River	i. Risa colony ii. Law college, Dhanketi iii. Umshyrpi, Bridge	Monthly
	Umiam Mawphlang River	i. Nongkrem ii. Umtyngngar iii. Mawphlang iv. Shella	Monthly
	Ward's Lake	Shillong	Monthly
	Umngot River	i. Smit ii. Dawki	Monthly

West Khasi Hills District	Nonbah river	i. Nongstoin, Market ii. Phod sohsat iii. Sohiong	Monthly
	Kynshi river	i. Nongkhnum ii. Ranikor	Monthly
	Rilang River	Mawkyrwat	Monthly
	Wah Blei	i. Riango ii. Shdaddkhar	Monthly
Jaintia Hills District	Lukha River	i. Lunar at Myndihati (Tributary of Lukha) ii. Sunapur	Monthly
	Myntang River	i. Mynso ii. Nartiang	Monthly
	Myntdu River	i. Jowai ii. Leshka	Monthly
	Thadlaskein Lake	Mukhla	Monthly
	Kyrhukhla River	Khliehriat	Monthly
East Garo Hills District	Damring River (Krishnei)	Resubelpara	Monthly
	Manda (Dudhnai) River	i. Jampa ii. Wagaisi	Monthly
	Tasek Lake	Songsak (Naphak)	Monthly
	Simsang River	Williamnagar	Monthly
South Garo Hills District	Bugi River	i. Mibanpara ii. Dalu	Monthly
West Garo Hills	Ganol River	Tura	Monthly
Ground Water			
East Khasi Hills District	Police Bazar spring	Shillong	Half yearly
	Mawpdang spring	Shillong	Half yearly
	Wah U Dkhar spring	Sohra	Half yearly
Jaintia Hills District	Umsahep spring	Shangpung	Half yearly
Ri-Bhoi District	Narbong well	Byrnihat	Half yearly
South West Khasi Hills District	Mawthadrishan well	Markasa	Half yearly
	Jakrem Hot Spring	Jakrem	Half yearly

Based on the monitoring data, the water quality of the sampling stations district wise is as described below.

#### • Water quality of rivers in East Khasi Hills

17(Seventeen) sampling stations are located in East Khasi Hills. In all the monitored locations the pH was observed to be in the normal range of 6.5to 8.5.The dissolved Oxygen was found to be very low in Umkhrah and Umshyrpi rivers with the minimum value Nil recorded at Umshyrpi

river (Law college) and Umkhrah river (Demthring, near Slaughter house & Mawpdang during the dry winter months of February and March., whereas its concentration in other rivers was always above 4mg/l, which is the minimum oxygen requirement for propagation of wildlife fisheries etc. The Bio-chemical Oxygen Demand was observed to be above 3mg/l in Ward’s lake, Umkhrah and Umshyrpi Rivers. The total coliform count was observed to be above 5000mpn/100ml in Umkhrah and Umshyrpi rivers. The Ammonia Nitrogen concentration was observed to be above 1.2mg/l in Umkhrah and Umshyrpi rivers which is the maximum limit for propagation of wildlife and fisheries. The monitoring results indicated that organic and Bacteria are the main pollutants in the water bodies. This is mainly due to direct discharge of waste water in an untreated form from the residential and commercial centres .The amount of waste received by the two rivers viz Umkhrah and Umshyrpi rivers is much beyond their assimilative capacity and thus has deteriorated the water quality to the extent that the water of these two rivers cannot be put to any beneficial uses. The water quality of Ward’s Lake, meets the criteria for propagation of wildlife and fisheries .The water quality of other water bodies is relatively good as and can still be put for various beneficial purposes although it is not recommended to use directly for drinking purposes unless treated and disinfected by an organized water supply system.

#### • Water quality of rivers in West Khasi Hills

8 (eight) sampling stations are located in West Khasi Hills.In all the monitored locations the pH was observed to be in the normal range of 6.5to 8.5.The dissolved Oxygen content in all monitored rivers was always above 4mg/l ,which is the minimum oxygen requirement for propagation of wildlife fisheries etc. The Bio-chemical Oxygen Demand was observed to be above 3mg/l and total coliform count above 500mpn/100ml in Nanbah River at Nongstoin. Located in the centre of the District headquarter, this river is also subjected to pollution arising out of direct disposal of solid and liquid waste from residential & commercial areas ,automobile workshops and servicing centres etc and agricultural runoff. However the water of this river can be used for propagation of wildlife & fisheries and irrigation purposes. The water quality of other water bodies is relatively good and can still be put for various beneficial purposes although it is not recommended to use directly for drinking purposes unless treated and disinfected by an organized water supply system.

#### • Water quality of rivers in Ri Bhoi

6(Six) sampling stations are located in Ri-Bhoi. In all the monitored locations the pH was observed to be in the normal range of 6.5to 8.5.The dissolved Oxygen content in all the stations was found to be above 4mg/l, which is the minimum oxygen requirement for propagation of wildlife fisheries etc. The Bio-chemical Oxygen Demand was observed to be above 3mg/l in Umiam Lake and Umtrew River at Byrnihat. The total coliform count in these water bodies was also observed to be high. The Umiam lake received the waste that is generated in the Shillong city through the two rivers viz Umkhrah and Umshyrpi rivers where as the Umtrew river is subjected to pollution originating from the residential, commercial and industrial areas.The



water of Umiam Lake and Umtrew river can be used for propagation of wildlife & fisheries, and irrigation purposes .The water quality of other water bodies is relatively good and can still be put for various beneficial purposes although it is not recommended to use directly for drinking purposes unless treated and disinfected by an organized water supply system.

Water quality of rivers in Jaintia Hills

8 (eight) sampling stations are located in Jaintia Hills. The pH in (i)Myntdu river at Leshka (ii) Lunar river at Myndihati (iv) Kyrhukhla river at Lad-Rymbai (V) Lukha at Sunapur was observed to be very low, with the minimum value of 2.2 recorded at Lunar river at Myndihati during the dry months of April. Low pH indicates that water is acidic in nature which is mainly due to acid effluent from coal mines located on the catchment and in the upstream side the dissolved Oxygen in all monitored rivers was always above 4mg/l, which is the minimum oxygen requirement for propagation of wildlife fisheries etc. The Bio-chemical Oxygen Demand was observed to be above 3mg/l in Kyrhukhla River and Lunar River at Myndihati the total coliform count was observed to be above 500mpn/100 ml in Myntdu River mainly due to contamination from the domestic waste water/sewage. Due to low pH, the water of i) Myntdu river at Leshka(ii)Lukha river at Sonapur(iii) Lunar river at Myndihati (iv) Kyrhukhla river at Lad-Rymbai cannot be put to any beneficial uses. The water quality of other water bodies is relatively good and can still be put for various beneficial purposes although it is not recommended to use directly for drinking purposes unless treated and disinfected by an organized water supply system.

Water quality of rivers in Garo Hills

8 (Eight)) sampling stations are located in Garo Hills. In all the monitored locations the pH was observed to be in the normal range of 6.5 to 8.5.The dissolved Oxygen content in all the stations was found to be above 4mg/l, which is the minimum oxygen requirement for propagation of wildlife fisheries etc. The Bio-chemical Oxygen Demand was observed to be below 3mg/l in all the monitored water bodies. The total coliform count was observed to be moderately high in Simsang & Ganol river The water quality of all monitored water bodies is relatively good and can still be put for various beneficial purposes although it is not recommended to use directly for drinking purposes unless treated and disinfected by an organized water supply system.

1.3 Ground water Quality

A total of 7(Seven) ground water located all over the state is monitored .The water of all the monitored sources are used for different purposes. As per the monitoring results (Table 5.3.3), the sources were affected by bacterial contamination which is probably caused by percolation of polluted surface water. The concentration of Iron was recorded to be high at Narbong well which probably due to the geology of the area. Low pH value at Mawpdang spring may be attributed to the bacteriological contamination of water. The pH level at hot spring Jakrem is recorded to be high which is probably due to increased solubility of salts in hot water. Flouride concentration was also recorded to be high at this hot spring which is the characteristic of any hot spring.



Table 5.3.1 : Water Quality Data of NWMP Stations (Surface water) During 2013

Districts	Name of Rivers	Location	pH			Dissolved Oxygen Mg/l			BOD (mg/l)			Total Coliform (MPN/ 100ml)			Ammoniacal Nitrogen (mg/l)		
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
East Khasi Hills	Umiam Mawphlang River	Nongkrem	6.7	7.1	6.9	5.5	7.7	6.4	1.5	2.8	2.4	39	84	63	0.28	0.5	0.36
		Umtynggar	6.9	7.3	7.13	6.8	8.4	7.57	1.0	2.2	1.7	29	70	53	0.13	0.35	0.23
		Mawphlang	6.8	7.3	7.0	7.2	8.3	7.8	0.8	2.0	1.36	23	46	35	0.1	0.22	0.15
	Umngot River	Shella	7.2	7.8	7.5	6.8	8.5	7.7	1.0	2.2	1.56	25	93	56	0.12	0.32	0.21
		Smit	6.7	7.0	6.8	6.6	8.8	7.3	0.85	2.3	1.65	30	84	55	0.10	0.36	0.24
		Dawki	6.9	7.3	7.1	7.2	9.0	7.9	0.8	1.5	1.2	32	70	50	0.1	0.3	0.2
	Umken river	Wah Kdait	6.8	7.2	7.0	6.5	9.0	7.1	0.9	2.2	1.7	26	59	44	0.2	0.35	0.27
		Ksehpongong	6.7	7.2	7.0	6.5	9.2	7.5	0.9	2.2	1.6	27	53	38	0.17	0.27	0.21
		Diengpasoh	7.0	7.5	7.24	6.6	9.2	7.5	1.0	2.25	1.69	33	70	47	0.2	0.30	0.25
	Ward's Lake	Shillong	7.1	7.7	7.4	6.0	8.0	6.9	6.0	9.6	7.6	2900	5000	4025	0.21	0.5	0.35
West Khasi Hills	Umkhrah River	Demthring, Shillong	6.8	7.4	7.15	0	5.2	2.7	11.8	45.0	22.6	20x10 <sup>3</sup>	30x10 <sup>3</sup>	32x10 <sup>3</sup>	5.2	20.0	11.0
		Umkaliar, Shillong	7.0	7.4	7.15	3.0	6.0	4.55	10.2	20.5	14.2	12x10 <sup>3</sup>	29x10 <sup>3</sup>	20x10 <sup>3</sup>	2.5	8.0	4.94
		Mawlai, Slaughter, Shillong	7.0	7.5	7.2	0	3.3	1.6	17.5	72.0	40.9	34x10 <sup>3</sup>	112x10 <sup>3</sup>	68x10 <sup>3</sup>	4.0	19.2	10.9
	Umshyrpi River	Mawpdang, Shillong	6.7	7.5	7.15	0	2.8	1.6	23.2	78.4	43.4	63x10 <sup>3</sup>	170x10 <sup>3</sup>	102x10 <sup>3</sup>	6.6	30.6	15.0
		Risa colony, Shillong	6.7	7.2	6.19	5.6	8.4	6.85	0.6	2.7	1.82	30	59	46	0.12	0.30	0.21
		Law college, Dhanketi Shillong,	6.8	7.2	7.0	0.2	4.0	1.73	21.0	58.2	36.1	53x10 <sup>3</sup>	140x10 <sup>3</sup>	92x10 <sup>3</sup>	5.4	18.0	10.5
	River Kynshi	Umshyrpi, Bridge, Shillong	6.8	7.3	7.1	1.6	6.4	4.3	8.6	30.0	16.6	20x10 <sup>3</sup>	84x10 <sup>3</sup>	45x10 <sup>3</sup>	2.4	10.2	5.7
		Sohiong	6.8	7.4	7.1	7.0	8.5	7.3	1.0	1.5	1.3	21	56	36	0.1	0.3	0.2
		Nongkhnun	6.8	7.5	7.17	7.2	8.8	7.64	1.0	1.8	1.2	22	55	37	0.03	0.31	0.21
	River Rilang	Ranikor	6.6	7.3	6.88	7.2	9.0	8.0	1.0	2.8	1.8	33	67	50	0.16	0.4	0.31
West Khasi Hills	River Nongstoin, Market	Mawkyrwat	7.2	7.4	7.25	7.4	8.8	7.85	0.6	1.8	1.4	20	40	29	0.14	0.25	0.22
	River Nanhah	Phod sohsat	6.7	7.1	6.9	3.4	6.8	5.5	2.4	4.2	3.2	190	1200	525	0.27	0.48	0.38
	River Wahblei	Riangdo	7.0	7.5	7.2	6.8	8.8	7.5	1.2	2.0	1.38	19	46	33.2	0.03	0.28	0.17
		Shdaddkhar	7.1	7.5	7.27	5.8	8.5	7.4	1.0	2.5	1.82	17	44	32	0.17	0.34	0.25
			6.9	7.5	7.3	7.2	8.4	7.7	1.0	2.3	1.67	16	53	35	0.15	0.35	0.24



Ri-Bhoi	Umiam lake	Outfall of Umiam river into lake	6.5	7.5	7.2	2.0	6.2	5.1	8.8	12.5	10.0	3400	5500	4700	0.35	1.4	0.61
		Middle point	6.8	7.7	7.3	6	7.7	6.5	6	9.5	8.35	2800	4400	3608	0.3	0.45	0.39
		Near United Christian College	7.0	7.5	7.3	5.8	7.5	6.4	6.2	10.2	8.5	2700	4400	3641	0.27	0.5	0.39
		Exit point	6.9	7.5	7.2	5.5	7.4	6.35	6.4	10.4	9.0	2900	5300	4108	0.28	0.45	0.39
Jaintia Hills	River Umtrew	Umran	6.8	7.2	7.0	6.6	8.8	7.5	0.8	2.8	2.0	53	220	110	0.17	0.34	0.23
		Byrnihat	6.9	7.4	7.1	6.8	8.2	7.46	6	7.2	6.75	330	750	505	0.17	0.47	0.29
		Lunar at Myndihati (Tributary of Lunar)	2.2	3.2	2.6	6.2	8.4	6.88	1.4	4.2	3.1	4	20	10	0.2	0.42	0.3
		Sunapur	4.5	7.8	6.4	7.0	8.0	7.4	1.0	3.0	2.41	220	600	378	0.21	0.35	0.27
Garo Hills	River Myntang	Nartiang	6.6	7.3	7.0	6.5	8.0	7.4	1.2	2.4	1.7	27	63	48	0.14	0.28	0.19
		Mynso	6.8	7.3	7.0	6.4	8.2	7.4	1	2.5	1.73	24	60	45	0.1	0.3	0.20
	River Myntdu	Jowai	6.2	7.6	7.0	5.6	7.2	6.4	2.4	3.1	2.77	1900	3500	2825	0.09	0.36	0.26
		Leshka	4.5	7.2	5.6	7	8.2	7.5	1	2	1.55	14	40	22	0.08	0.27	0.19
	Thadlaskain lake	Mukhla	6.6	7	6.8	6.8	8	7.28	1.4	2.4	1.9	35	75	58	0.03	0.25	0.14
	River Kyrhukhla	Khliehriat	2.5	3.3	2.8	3	6.8	4.97	5.8	11.2	8.1	20	50	33	0.13	0.4	0.26
	Damring River (Krishnei)	Resubelpara	7	7.5	7.3	7	8.2	7.57	1.1	4.5	1.85	32	93	60.	0.2	0.4	0.27
		Jampa	6.5	7.6	7.2	7	8.4	7.6	1.2	3.5	1.68	20	63	44	0.18	0.32	0.225
Garo Hills	Manda (Dudhnai) River	Wagaisi	7.1	7.7	7.4	6.4	8	7.26	1.2	2.6	2.0	24	79	50	0.03	0.38	0.24
		Songsak (Naphak)	6.9	8	7.4	6.8	8	7.34	1.2	2.5	1.7	21	53	39	0.15	0.26	0.22
	Simsang River	Williamnagar	7	7.5	7.3	7.2	8	7.72	1.5	2.4	1.95	290	630	470	0.2	0.35	0.28
	Bugi River	Mibanpara	7	7.9	7.4	6.8	8	7.2	1.2	2.6	2.15	32	84	60	0.16	0.4	0.29
		Dalu	7.2	7.8	7.4	6.8	7.8	7.2	1.3	2.7	2.2	28	87	59	0.12	0.36	0.29
	Ganol River	Tura	7.4	7.8	7.5	7	8.5	7.5	1.5	2.6	2.24	240	600	440	0.2	0.32	0.26

“A nation that destroys its soils destroys itself. Forests are the lungs of our land, purifying the air and giving fresh strength to our people.” — Franklin D. Roosevelt





Figure 1: Immersion ghat (before Immersion)



Figure 2: Immersion ghat (before Immersion)



Figure 3: Immersion ghat (1 day after Immersion)



Figure 4: Immersion ghat (1 day after Immersion)



Figure 5: Immersion ghat (4 days after Immersion)



Figure 6: Immersion ghat (4 days after Immersion)

Three (3) sampling points were selected along the stretch of the river Umkrah for collection of water samples:

- (i) 1<sup>st</sup> sampling point - approximately 50 meters upstream of the immersion ghat (fig-8).
- (ii) 2<sup>nd</sup> sampling point - site of the immersion ghat (fig-1 to 6).
- (iii) 3<sup>rd</sup> sampling point (approximately 50 meters downstream of the ghat (fig-7).



Figure 7: Third Sampling Point (Downstream)



Figure 8: First Sampling point (Upstream)

It is observed from the analysis data (Table 1) that there is no significant change in the concentration of the parameters analyzed which would indicate any marked alteration in the water body of the Wah Umkrah as a consequent to the immersion of idols at the ghat located along this river.





Table 5.4.1 : Water Quality Data of Immersion Ghat (Polo) of River Wah Umkhrah Before and After Immersion of Idols

Sl. No		Site I (50m Upstream of Immersion Ghat at Polo)			Site II (Immersion Ghat at Polo)			Site III (50 m downstream of Immersion Ghat at Polo)		
		14 days before immersion		1 days after immersion	14 days before immersion	1 days after immersion	1 week after immersion	14 days before immersion	1 days after immersion	1 week after immersion
		14 days before immersion	Slight Rainfall	Clear	Clear	Clear	Clear	Slight Rain-fall	Clear	Clear
	Weather	Brown		Brown	Brown	Brown	Brown	Brown	Brown	Brown
1.	Temperature (°C)	17.0	7.2	7.0	15.0	14.5	14.5	17.0	15.0	14.5
2.	pH				7.1	6.9	6.8	7.2	7.1	6.8
3.	Conductivity µS/cm	194.0		197.0	195.0	195.0	198.0	193.0	193.0	192.0
4.	Alkalinity mg/L	62.0		72.0	72.0	72.0	76.0	62.0	70.0	74.0
5.	Nitrite mg/L	1.06		0.95	0.98	1.0	1.71	0.85	0.9	1.75
6.	Nitrate mg/L	2.82		2.5	2.54	1.5	2.0	2.64	3.2	2.2
7.	Dissolved Oxygen mg/L	4.8		3.6	5.0	2.1	1.5	5.0	3.8	1.9
8.	BOD mg/L	14.0		15.5	13.0	15.4	28.4	12.5	15.2	24.0
9.	COD mg/L	30.0		35.0	30.0	35.0	50.0	30.0	35.0	45.0
10.	Chloride mg/L	20.0		28.0	19.0	26.0	26.0	20.0	28.0	26.0
11.	Sulphate mg/L	17.96		14.05	14.80	12.63	14.92	16.42	13.73	13.23

“A nation that destroys its soils destroys itself. Forests are the lungs of our land, purifying the air and giving fresh strength to our people.” — Franklin D. Roosevelt



12.	Sodium mg/L	16.6	23.0	22.4	16.0	21.2	22.0	16.5	22.6	22.2
13.	Calcium CaCO3 mg/L	55.0	65.0	60.0	60.0	65.0	65.0	50.0	50.0	55.0
14.	Magnesium as CaCO3 mg/L	17.0	15.0	10.0	24.0	24.0	23.0	24.0	24.0	11.0
15.	Turbidity (NTU)	11.2	7.9	7.9	10.9	8.3	8.5	11.5	8.5	9.1
16.	Hardness as CaCO3 mg/L	72.0	70.0	70.0	84.0	86.0	78.0	74.0	74.0	66.0
17.	Total Dissolved Solids mg/L	152.0	158.0	154.0	154.0	155.0	158.0	150.0	152.0	145.0
18.	Total Phosphate mg/L	0.138	0.127	0.154	0.125	0.117	0.104	0.141	0.127	0.149
19.	Total Suspended Solids mg/L	35.0	25.0	5.0	10.0	20.0	20.0	55.0	10.0	15.0
20.	Potassium mg/L	5.0	7.5	6.6	5.1	7.0	6.5	5.5	7.4	6.7
21.	Cadmium µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
22.	Chromium µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
23.	Copper µg/L	BDL	BDL	BDL	BDL	BDL	0.11	BDL	0.01	BDL
24.	Lead µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
25.	Nickel µg/L	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
26.	Zinc µg/L	0.03	0.06	0.04	0.02	0.18	0.08	0.01	0.14	0.16
27.	Manganese µg/L	0.05	0.07	0.11	0.03	0.06	0.13	0.03	0.17	0.11
28.	Flouride µg/L	0.031	0.024	0.026	0.033	0.025	0.028	0.034	0.028	0.030
29.	Iron µg/L	0.42	0.4	0.38	0.25	0.48	0.5	0.23	0.4	0.4

“A nation that destroys its soils destroys itself. Forests are the lungs of our land, purifying the air and giving fresh strength to our people.” — Franklin D. Roosevelt

**5.5.1 During the year 2013 -2014 the Board monitored the waste water of the following industries:**

1. Stay Inn guest House Shillong
2. MCCL,Cherrapunjee
3. Meghalaya Cements Ltd Captive Power Plant
4. M/S Banalari world Car,Mawiong Shillong
5. Neigrihms Hospital
6. NTL Steel , Byrnihat

**5.5.2 Analysis of water samples received from Government Department and other Private organization**

The Board is also engaged in analysis of water samples received from different Govt departments, private agencies, public etc. A total of 472 samples were tested during the year 2013-2014.

## **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 2011 census is 29, 66, 889 lakhs. 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 numbers of industries has been increasing manifold over the past few years in the state, from small scale stone crushing unit to large scale cement industries and from sand, limestone and stone boulder mining to coal mining in the recent years gave rise to the impact of the ecological imbalance in the State.

Indiscriminate dumping of garbage, indiscriminate discharge or disposal of domestic sewage, trade effluents, urban solid wastes due to rapid population growth and fast urbanization also contributed to the ecological imbalance in the State. In this respect, the Meghalaya State Pollution Control Board has issued a Direction under the Section 5 of the Environment (Protection) Act, 1986, to all Urban Local Bodies in the state to implement the provisions of the Municipal Solid Waste (Management & Handling) Rules, 2000 relating to development of infrastructure for collection, storage, segregation, transportation, processing and disposal of municipal solid wastes (in areas within its jurisdiction) in accordance to the implementation schedule laid down in Schedule-I and the compliance criteria and standards as prescribed in Schedule II, III & IV of the said Rules to contain the environmental pollution on these activities.

Hospitals, nursing homes, health care facilities has been increased tremendously in recent years in the state and without proper methods of disposal of wastes from the health care units may pose great risk to human health and may create environmental pollution. Thus, prompting the government to implement new ways of scientific management of bio-medical wastes. Under Section 5 of the Environment (Protection) Act, 1986, the Board has issued direction to ensure that all health care units to apply for authorization in the prescribed Form-I as required under Rule 8(1) of the Bio-Medical Waste (Management & Handling) Rules, 1998. The status of total number of health care facilities etc., in the state is given in Chapter-10.

Under the large-scale industrial sector cement plants 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.

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.

The industries has also been instructed to install a water meter to fathom the usage of water by the unit and are also asked to furnish the monthly water cess returns to the Board for assessment as per Section 6 of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Amendment Act, 1991 and amendment Act, 2003.

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 2013-2014 the number of industries/firms/units which the Board granted for Consent to Establish and Consent to Operate under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 is appended in the Annexure-4 and Annexure – 6 respectively.

## 7 ENVIRONMENTAL RESEARCH

During the year 2013-2014, the Board continued with the following study projects:-

- A. Studies and Evaluation of Environmental and Socio-Economic Impact of Coal Mining in Jaintia Hills**  
Compilation of the project report is under progress.
- B. Ambient Air Quality Monitoring at Export Promotion Industrial Park (EPIP), Byrnihat**  
Compilation of the project report is under progress.
- C. Assessment of Noise in Major Cities/Towns in the State**  
Preparation of progress report under process.
- D. Assessment of Ground Water Quality**



## 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 2013-2014 is shown in the following table.

Name & Designation	Place of Training	Topic	Date of Training
Shri. J.F. Lamurong, AEE	Shillong	Appropriate techniques & instruments for AAQM	3-5 April 2013
Dr. (Miss) D. Tariang, JSA-II	Dehi/Stockholm	Environmental Regulators	17-30 October 2013
Smti Daiamon Syiemlieh, AEE	Delhi	Environmental Regulators	19-23 August 2013

## 9 ENVIRONMENTAL AWARENESS & PUBLIC PARTICIPATION

### World Environment Day 2013

In order to commemorate World Environment Day, the Meghalaya State Pollution Control Board, Shillong, organized a 'Free Vehicle Emission Test Camp' at Nongpoh, Ri Bhoi District, on the 5th of June, 2013. Both petrol and diesel driven vehicles were tested during this one day programme. A total number of 204 vehicles were tested (Petrol driven – 104 nos. and Diesel driven - 100 nos.). Out of the 104 nos. of Petrol driven vehicles tested, 95 nos. were found to be within the emission standard limits while 9 nos. were found to be above the limits (Table ...). Out of the 100 nos. of Diesel driven vehicles tested, 81 nos. were found to be within the emission standard limits while 19 nos. were found to be above the limits (Table 9.0.1).

The vehicles which are complying to the emission standards were issued with a 'Green Certificate' and a "Pollution Under Control" sticker with a validity of 6(six) months from the date of issue, and vehicles not complying to emission standards were issued a "Red Certificate". The vehicles found to be having emissions above the Emission standards were advised to undergo checking and necessary 'tuning' of the engine so that they can be brought within the 'Pollution Under Control' category.



Emission test of Diesel vehicle in progress



Emission test of Petrol vehicle in progress

Table 9.0.1 : Numbers of Petrol and diesel Driven Vehicles Tested

Type of Vehicles tested	Total nos. of vehicles tested	Nos. of Vehicles within Permissible Limit	Nos. of Vehicles above Permissible Limit	Percentage of Vehicles within Permissible Limit	Percentage of Vehicles above Permissible Limit
Petrol Driven	104	95	9	91.3%	8.7%
Diesel Driven	100	81	19	81%	19%
<b>TOTAL</b>	<b>204</b>	<b>176</b>	<b>28</b>	<b>86.2%</b>	<b>13.8%</b>

Apart from Vehicular Monitoring, the Board also conducted air sampling at the premises of the Inspection Bungalow (IB) PWD, Nongpoh, to assess the ambient air quality of the area. As per the findings, (**Fig. 9.0.2**) it was observed that the concentration of pollutants viz. Particulate Matter (PM<sub>10</sub>), Sulphur Dioxide (SO<sub>2</sub>) and Nitrogen Dioxide (NO<sub>x</sub>) are within the permissible limits of National Ambient Air Quality standards.



Fig. 9.0.1 - Ambient Air quality monitored at IB, PWD Nongpoh during World Environment Day 2013.

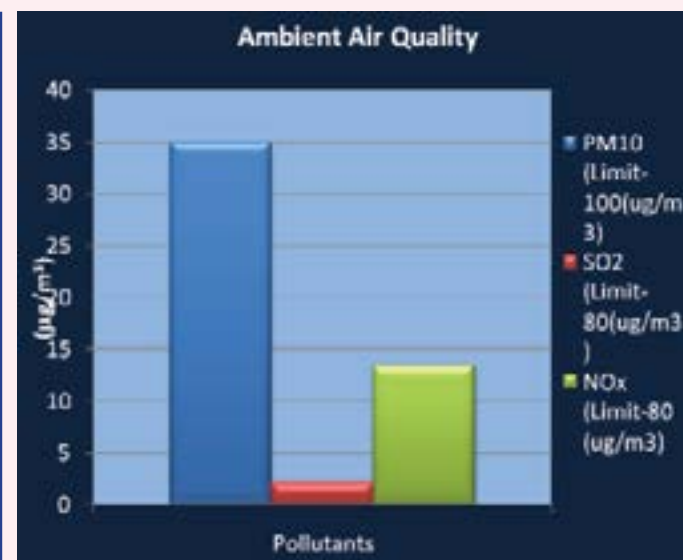


Fig 9.0.2 - Chart on Ambient Quality monitored at IB, PWD, Nongpoh during World Environment Day 2013

## 10

# OTHER ACTIVITIES OF THE BOARD

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

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

- 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.



An electric needle destroyer in which needles &amp; syringes are destroyed

#### 10.1.1 The Status of Bio-Medical Waste In the State are as follows:-

1. The total number of Health Care Facilities in the state is 699.
2. There are 6123 numbers of beds in the hospitals of the state.
3. The Total number of Bedded Hospitals is 170. 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.
5. The total quantity of BMW generated per day is reported at 631.48 Kgs.
6. The total quantity of Bio-Medical Wastes treated and disposed per day is reported at 631.48 kg.



## 10.2 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.



Collection of Solid Wastes by truck from the storage RCC bin located near Super market, Tura, West Garo Hills District

### 10.2.1 The Status of Municipal Solid Waste in the state are:-

1. The total number of Municipal Authorities in the State is 7.
2. The total number of Application received from Urban Local Bodies (ULBs) is 5 and Authorisation granted is 3 and 2 has not yet granted.
3. Presently there is 1 (one) Vermicompost and 1 (one) mechanical compost plant operating in the State.
4. There are 6 (Six) open dumping sites in the State, while 1(one) landfill site has been identified.
5. There are no Waste-to-Energy projects so far.

## 10.3 Environmental Public Hearing

The Environmental Public Hearing conducted in the state in accordance to the provisions of the EIA, Notification, 2006 relating to the application for grant of Environmental Clearance by MoEF & CC, New Delhi and the State Environmental Impact Assessment Agency, Meghalaya are as follows :-

### 1. State Investment Project Management & Implementation Unit

PROJECT TYPE : Sanitary Landfill and Processing Facility for Municipal Solid Waste.

LOCATION : Umsawli, East Khasi Hills District

DATE OF HEARING : 3rd September 2013



Section of the public attended the Environmental Public Hearing for the proposed Sanitary Landfill and Processing Facility for Municipal Solid Waste Proposed by State Investment Project Management & Implementation Unit conducted by Meghalaya State Pollution Control Board, Shillong on 3rd September 2013 at Umsawli, East Khasi Hills District.

Environmental Public Hearing for the proposed Sanitary Landfill and Processing Facility for Municipal Solid Waste Proposed by State Investment Project Management & Implementation Unit conducted by Meghalaya State Pollution Control Board, Shillong held on 3rd September 2013 at Umsawli, East Khasi Hills District



## 10.4 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 2013-2014 the total amount of Cess assessment is ` 379825/- (Rupees Three lakhs seventy nine thousand eight hundred twenty five) only and Cess collection is ` 133859/- (Rupees One lakhs thirty three thousand eight hundred fifty nine) Only. 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.

The Board also directed the major industries in the state to install the water meter to measure the usage of water by the unit and to furnish the monthly water consumption returns to the Board for the assessment of the same.



## 11

## LEGAL MATTERS

**11.1 CASES IN THE COURTS/TRIBUNALS INVOLVING THE MSPCB DIRECTLY/INDIRECTLY**

Cases on Environmental Issues filed in the Courts, have involved the Meghalaya State Pollution Control Board (MSPCB) either directly or indirectly.

In cases of direct involvement, the MSPCB files affidavit or answers the court directly and in cases of indirect involvement in a case, the MSPCB answers, furnishes information and submits reports to the State Government or Central Pollution Control Boards (CPCB).

There are cases where the Courts have constituted committees at National Level and sometimes at State Level for submitting reports and recommendations. In such cases the MSPCB furnishes reports /information directly to the committees or through the CPCB/State Government.

Matters pending in the Hon'bl Supreme Court, the High Court and the National Green Tribunals are highlighted as follows in the tables below:-

**11.1.1 CASES IN THE SUPREME COURT**

The following table highlights on the subject matter and involvement of the MSPCB in cases pending in the Supreme Court during 2013-2014 :-

Sl. No.	Name of the Case	Subject Matter	Involvement
1.	W.P. (Civil) No. 212 of 2013, National Legal Services Authority Vs. Union of India & Ors.	Sand Mining	MSPCB furnishes information/ paragraph-wise comments through the State Government.
2.	Writ Petition (civil) No. 202 of 1995 T.N. Godavarman Thirumulpad Vs. Union of India.	Site Clearance by MoEF.	Following directions of the State Government.
3.	SLP NOs.16308/07 with SLP 16314/07, 16317/07, 16467-16469/07, WP Nos.131/11, 141/11, 289/11344/11, 69/11,182/11, 354/11 and 304/11. Contempt Petition Nos. 236/11, 237/11, 288/11, 356/11, 37/12 in SLP No. 16308/07 and Contempt Petition No. 348/11 in SLP No. 19467- 19469/07. ANKUR GUTKA ETC. ETC Petitioners Versus- INDIAN ASTHAMA CARE SOCIETY Respondents AND ORS. ETC. ETC	Plastics Waste ( Management and Handling) Rules,2011 and the Municipal Solid Waste (Management and Handling) Rules, 2000	Pollution Control Boards became impleaded vide Order Dt. 3-4-2013- filing affidavit.

4.	Writ Petition (civil) No. 512 of 2002. IN RE Writ Petition (C) No. 668 of 2002.	Networking of Rivers, Nationalize all Rivers in country with a view to deal with the flood in one area and drought in another area.	MSPCB anticipates directs/intimations from the State Government which is a member of committee created vide Order Dt. 27th February, 2012.
5.	Writ Petition (C) No. 657 of 1995	Hazardous Waste.	Complying the directions of the Court and recommendations of the Supreme Court Monitoring Committee and submitting report through the Central Pollution Control Board.
6.	Writ Petition (civil No. 309 of 2003. Laxmi Narain Modi Vs. Union of India & Ors. With WP (C) No. 330 of 20 01.With WP(C) No. 44 of 2004 With WP(C) No. 688 of 2007.	Slaughter House.	Complying to the directions and submitting report through the Central Pollution Control Board and through Committee at state level.

In Writ Petition (civil) No. 512 of 2002. IN RE Writ Petition (C) No. 668 of 2002, Writ Petition (C) No. 657 of 1995 and Writ Petition (civil No. 309 of 2003 and Laxmi Narain Modi Vs. Union of India & Ors. With WP (C) No. 330 of 20 01.With WP(C) No. 44 of 2004 & With WP(C) No. 688 of 2007, the MSPCB furnishes information to the Committees formed by the Supreme Court or through the Central Pollution Control Board or the State Government.

Whereas in Ankur Gutka -Vrs- Indian Asthma Care Society the MSPCB got impleaded vide Order Dt. 3-4-2013 and became direct respondent . Affidavit was filed in the Registry of the Hon'bl Supreme Court on the status implementation of the Plastics Waste ( Management and Handling) Rules,2011 and the Municipal Solid Waste (Management and Handling) Rules,2000.

**11.2.1 CASES IN THE HIGH COURT**

In the High Court, the cases involved the MSPCB either as Direct Respondent or as Proforma Respondent and when involved indirectly the MSPCB answers through the State Government.

The following table highlights on the subject matter and involvement of the MSPCB in cases pending in the High Court during 2013-2014.



Sl. No.	Name of the Case	Subject Matter	Involvement
1.	W.P.(C) No. 12 (SH) of 2005, Shri. Ronald Rikman Sangma .Vs. The Sate of Meghalaya & Ors	Closure Notice of MSPCB on Hotel of Petitioner Shri. Ronald Rikman Sangma, Tura.	Direct Respondent
2.	PIL No. (SH) 5 of 2012, The Hima Langrin Youth Welfare Organisation Vs. Sate of Meghalaya & Ors.	Unscientific mining and explosives causing pollution of the water resources, ecological imbalance and agricultural resources in Langrin Syiemship.	Direct Respondent – filing affidavit and complying to directions of the court.
3.	PIL No. 16 /2011, Relief and Rehabilitation Colony Welfare Society. Vs. The State of Meghalaya and Ors.	Deep Tube Wells and Underground Water etc.	Proforma Respondent
4.	PIL Suo Moto No. (SH) 4/2012. Threat to life and Environment arising out of Cement Plant in Jaintia Hills District Vs. State of Meghalaya & Ors. Gauhati High Court, (Shillong Bench)	Cement Plants in Jaintia Hills	MSPCB direct Respondent and filing affidavit SEIAA direct Respondent and filing affidavit.
5.	PIL No.88/2010, Shri Sawang Lamurong & Ors. Vs. State of Meghalaya & Ors. Gauhati High Court, (Shillong Bench).	Coal Mining in Deishalalu, Jaintia Hills.	MSPCB is direct Respondent- filing affidavit and complying to the directions of the court.
6.	WP(C)96 of 2012. Mawiong Umjapung Village Vs. State of Meghalaya & Ors. The High Court of Meghalaya.	Construction of a modern abattoir.	MSPCB is direct Respondent – filing affidavit and complying to directions of the court.
7.	W.P.(C) Suo Moto (SH) NO. 76 of 2012, Environmental Pollution and Health Hazard in the State Vs- State of Meghalaya & Ors.	On The CAG's performance report.	Answering through the State Government.

In W.P.(C) No. 12 (SH) of 2005, Shri. Ronald Rikman Sangma .Vs. The Sate of Meghalaya & Ors, PIL No. (SH) 5 of 2012, The Hima Langrin Youth Welfare Organisation .Vs. Sate of Meghalaya & Ors., PIL Suo Moto No. (SH) 4/2012. Threat to life and Environment arising out of Cement Plant in Jaintia Hills District Vs. State of Meghalaya & Ors., PIL No.88/2010, Shri Sawang Lamurong & Ors. Vs. State of Meghalaya & Ors., WP(C)96 of 2012. Mawiong Umjapung Village Vs. State of Meghalaya & Ors., the MSPCB is direct respondent.

In PIL No. 16 /2011, Relief and Rehabilitation Colony Welfare Society. Vs. The State of Meghalaya and Ors., the MSPCB is Proforma respondent that is, MSPCB can either choose to respond or choose to not respond and it choose not to.



In W.P. (C) Suo Moto (SH) NO. 76 of 2012, Environmental Pollution and Health Hazard in the State Vs- State of Meghalaya & Ors., the MSPCB answers through the Government

## 11.2 CASES IN THE NATIONAL GREEN TRIBUNALS

Since the inception of the National Green Tribunal (NGT) cases involving the MSPCB have been mostly filed in the Tribunals. The NGT has constituted Zonal Benches for hearing cases in the Eastern Zone, in the Western Zone, in the Southern Zone and the Central Zone. The Principal Bench sometimes carries out Circuit Benches in the different States of India in matters having direct connection with the concerned State for quick disposal of the same.

The MSPCB apart from cases in the Principal Bench and Eastern Zone Bench at Kolkata, it also has some cases pending in the Circuit Bench at the Meghalaya High Court, Shillong. The following tables display the cases in their nature of involvement in different benches:-

### 11.2.1 CASES IN THE NATIONAL GREEN TRIBUNAL (PRINCIPAL BENCH)

Sl. No.	Name of the Case	Subject Matter	Involvement
1.	Appl. No.37/2013 (THc). Wassan Singh Vs. State of Punjab & Ors.	Noise Pollution and industries running without Consents from Pollution Control Boards.	Complying to directions from the Tribunal and submitting reporting through the CPCB.
2.	Appeal No. 05 of 2014, M/s Ardent Steel Limited Vs. MoEF & Ors.	EC for stand alone pelletizing plants.	Following directions of NGT and decision of the MoEF.
3.	Appl. No. 65/2012 (THc). Sureshbhai Keshavbhai Waghvankar & Ors. Vs. The State of Gujarat & Ors.	Effects of Plaster of Paris made idols on water due to immersion.	Complying to directions from the Tribunal and submitting report through the CPCB.
4.	Org. Appl. No.171 of 2013. National Green Tribunal Bar Association Vs. MoEF & Ors.	Removal of minerals from river beds (sand mining)	Complying to directions of the Tribunal coming through the CPCB and the State Govt. (Forest & Env. Dept.)
5.	Org. Appl. No. 63 of 2012. Haat Supreme Wastech Pvt. Ltd. & Ors. –Vrs- State of Haryana & Ors.	Common Treatment Plant (CTP) for disposing of Bio-Medical waste (BMW).	To direct units/ authorities running CTP for treating BMW to submit Environmental Clearance (EC) granted by SEIAA.
6.	Original Appl. No. 183/2014. Toxic Link Vs. Union of India & Ors.	E-Waste	Direct Respondent and filing affidavit.
7.	Appl. No. 199/2014, Almitra H. Patel & Anr. Vs. Union of India & Ors.	Municipal Solid waste Management	Complying to directions of the Tribunal and submitting report through the CPCB.



8.	Original Application NO. 188/2014 Toxic Link V/s Union of India & Ors.	Compact Flourescent Lamps (CFL) containing small amount of mercury in solid form	Direct Respondent and filing affidavit on compliance to the guidelines of the CPCB.
9.	Original Application No.318 of 2013 Rajendra Singh Bhandari - Vrs- State of UK & Ors	Name, designation, experience and qualification/s of Chairman, Member Secretary and Member of the Board.	Furnishing replies through the CPCB.
10.	Original Application No.124/2014 & Misc Application No.55/2014. Money Goyal & Ors Vrs MoEF & Ors	Plastic Waste	Furnished required information through the CPCB.
11.	Original Application No.117 of 2014. Shantanu Sharma Vs Union of India & Ors	Fly Ash and its disposal	Direct Respondent and filing Affidavit.

### 11.3 CASES IN THE NATIONAL GREEN TRIBUNAL

#### 11.3.1 EASTERN ZONE KOLKATA

Sl. No.	Name of the Case	Subject Matter	Involvement
12.	Appl. No. 42 (THc) of 2014, (WP(C) Suo Moto 76/2012 of Meghalaya High Court, Environme-ntal Pollution & Health Hazard in the State Vs. State of Meghalaya & Ors.	Based on a performance audit CAG report on MSPCB that was printed in the media.	Direct Respondent- filing affidavit and carrying out directions of the tribunal.
13.	Appl. No. 146 of 2014. Nababrata Bhattacharjee Vs. State of Meghalaya & Ors.	Pollution of the River Umkhrach & Umshyrpi.	Direct Respondent- filing affidavit and carrying out directions of the tribunal.

### 11.4 CASES IN THE NATIONAL GREEN TRIBUNAL CIRCUIT BENCH

#### 11.4.1 MEGHALAYA HIGH COURT, SHILLONG

Sl. No.	Name of the Case	Subject Matter	Involvement
14.	Original Application No. 110(THc)/ 2012, Threat to Life Arising Out of coal Mining in South Garo Hills District.Vs. State of Meghalaya.	30 coal laborers trapped in a coal mine, 15 escaped and 15 reported to have died inside the coal mine.	Direct Respondent - filing affidavit and carrying out directions of the tribunal.



15.	Appl. No. 13 of 2014, Impulse NGO Network Vs. State of Meghalaya & Ors.	Illegal Mining activities in about 5000 coal mines and about one lakh quarries in Jaintia Hills District of Meghalaya.	Direct Respondent and filing affidavit.
16.	Appl. No. 73 of 2014, All Dimasa Students Union dima Hasao Dist. Committee Vs. State of Meghalaya & Ors.	Illegal mining in Jaintia Hills, causing acidity of the river Koopily consequentl-y eroding the turbines of the Hydro Power Plant at the said river.	Direct Respondent – filing affidavit and carrying out directions of the tribunal and the Committee formed by the tribunal.
17.	Appl. No. 186/2014. Thomas Nongtdu & Anr. Vs. The State of Meghalaya & Anr.	Coal Mining, transporting the extracted coal & Mining Plan	Direct Respondent and filing affidavit.



## 13

# FINANCIAL SUMMARY

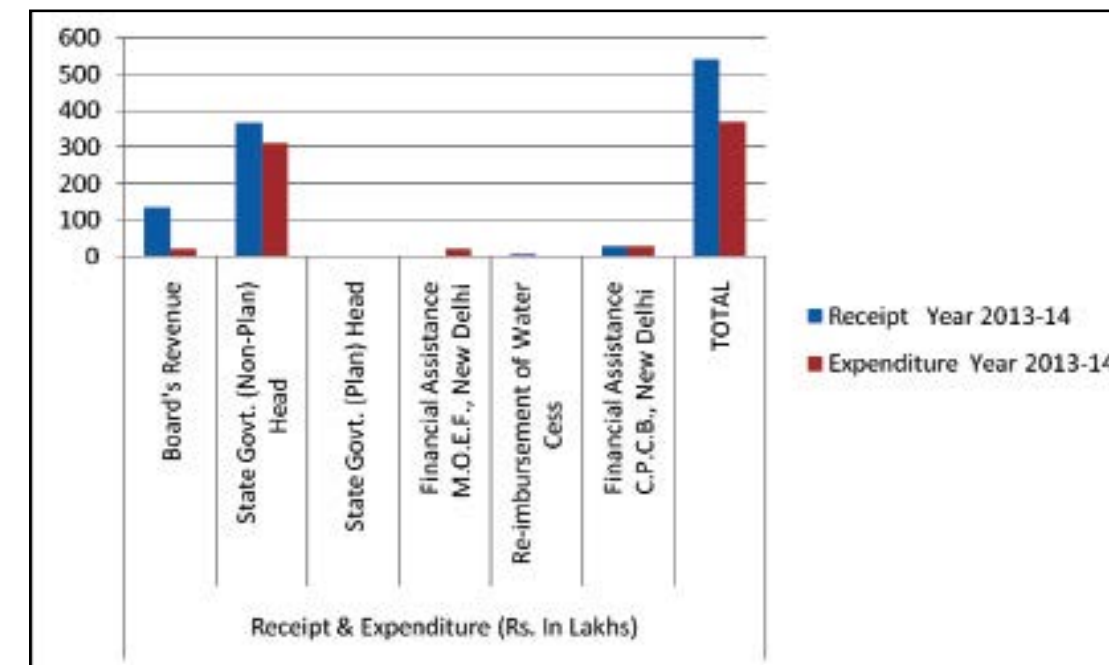
The unaudited financial summary for the financial year 2013-14 reveals that during the said period, the State Board received a total amount of `580.09 Lakhs and total expenditure is `367.80 lakhs. The State Board earned its total revenue from different industrial units in Meghalaya on account of Consent Fees, Sale of Forms, Authorization fees Biomedical/ Hazardous Waste, Vehicle Emission Test, Water Sample Analysis etc. and also Water Cess Re-imbursement, 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 2013-2014 is as shown in the Table below:

**Table 12.1-Status of Unaudited Financial Summary for the Financial Year 2013-14**

Sl. No.	Head of Accounts	Amount Rs.(in Lakhs)	
		Receipt	Expenditure
	<b>Board's Revenue</b>		
1	i. (Boards Revenue) Consent Fees ,Sale of Forms, Authorization fees Biomedical/Hazardous Waste,Vehicle Emission Test,Water Sample Analysis etc.	137.22	18.85
	ii. Bank interest	38.33	
	Sub Total (i to ii)	175.55	18.85
2	<b>State Govt.(Non-Plan) Head</b>		
	Grant from State Govt.(Non-Plan) for Pay & Allowances	367.70	307.47
3	<b>State Govt. Plan Head</b>		
	Grant from State Govt.(Plan)	0.00	0.00
	<b>M.O.E.F./C.P.C.B., New Delhi</b>		
4	i. Grant,Financial Assistance from Ministry of Environment & Forests, New Delhi	0	16.72
	ii. Re-imbursement of Water Cess	7.54	0.24
	iii. Grant,Financial Assistance from Central Pollution Control Board , NewDelhi	29.30	24.52
5	Sub Total (i to iii)	36.84	41.48
	<b>Total</b>	<b>580.09</b>	<b>367.80</b>

**Excess Of Receipt over Expenditure**



**Receipt and Expenditure during the Financial Year 2013-14**

During the financial year 2013-2014 the Total Receipt of the Board is Rs.580.09 lakhs and the Total expenditure is Rs.367.80 lakhs. The receipts from Board's Revenue is Rs.137.22 lakhs and the expenditure is Rs.18.85 lakhs. Receipt on Bank Interest is Rs.38.33 lakhs. Receipt from the State Government (Non-Plan) Head is Rs.367.70 lakhs and expenditure is Rs.307.47 lakhs. Receipt from State Government Plan Head is Nil and expenditure is Nil. Financial Assistance from Ministry of Environment & Forest, New Delhi is Nil and the expenditure is Rs.16.72 lakhs. Receipt from the Central Pollution Control Board, New Delhi is Rs. 29.30 lakhs and the expenditure is Rs.24.52 lakhs. The water cess reimbursement from the Ministry of Environment and Forests, New Delhi is Rs. 7.54 lakhs and the expenditure is Rs.0.24 lakh.



## ANNEXURES

ANNEXURE-1	Staff Position of the Meghalaya State Pollution Control Board up to 31st March 2014
ANNEXURE–2	Organisational Chart of the Board
ANNEXURE -3	Members Of The Board
ANNEXURE-4	Consent To Establish Issued During The Year 2013-2014
ANNEXURE–5	Renewal Of Consent To Establish During 2013-2014
ANNEXURE-6	Consent To Operate During 2013-2014
ANNEXURE-7	Renewal Of Consent To Operate During 2013-2014



ANNEXURE-1

STAFF POSITION OF THE  
MEGHALAYA STATE POLLUTION CONTROL BOARD  
UP TO 31<sup>ST</sup> MARCH 2014

Sl No	Name Of The Post	Sanctioned Strength	Working Strength	Vacancy
TECHNICAL				
1.	SENIOR ENVIRONMENTAL ENGINEER	1	1	-
2.	ENVIRONMENTAL ENGINEER	2	2	-
3.	ASSTT.ENVIRONMENTAL ENGINEER	5	4	1
4.	JUNIOR ENVIRONMENTAL ENGINEER	1	1	-
5.	DRAFTSMAN	1	-	1
6.	TRACER	1	1	-
7.	PLUMBER	1	1	-
LEGAL				
8.	LEGAL OFFICER/ADVISER	1	-	1
9.	JUNIOR LAW OFFICER	1	1	-
SCIENTIFIC				
10.	SENIOR SCIENTIST	1	1	-
11.	SCIENTIST-C	2	1	1
12.	SCIENTIST-B	3	1	2
13.	SENIOR SCIENTIFIC ASSTT.	3	-	3
14.	JUNIOR SCIENTIFIC ASSTT Gd I/II	7	4	3
15.	SENIOR TECHNICAL ASSTT.	1	1	-
16.	TECHNICAL ASSTT.	2	-	2
17.	LABORATORY ASSTT.	4	4	-
18.	STORE KEEPER	1	1	-
19.	FIELD ATTENDANT	1	-	1
20.	SAMPLE COLLECTOR	10	4	6
21.	LAB. ATTENDANT	4	2	2



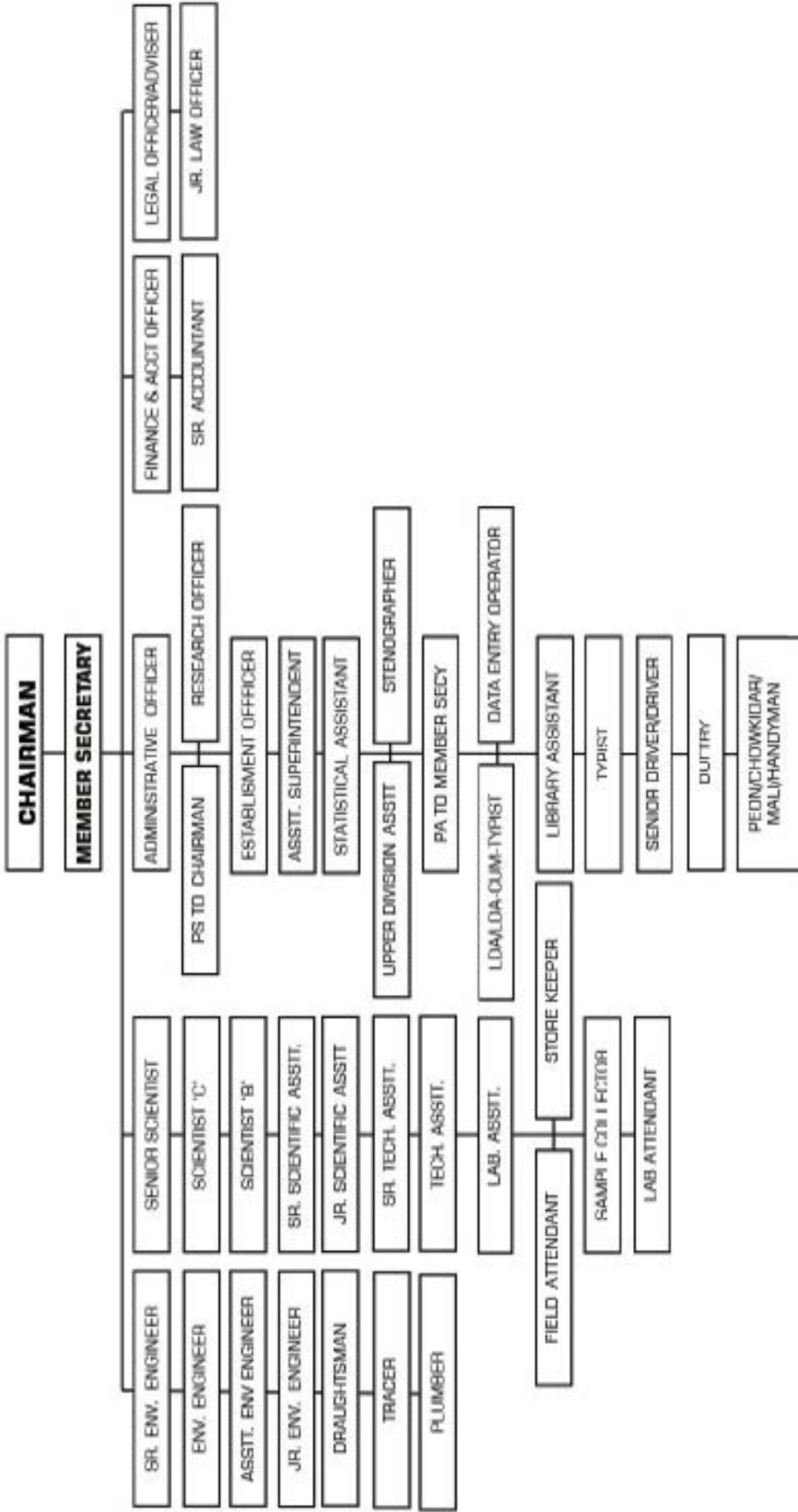


ADMINISTRATION & ACCOUNTS				
22.	ADMINISTRATIVE OFFICER	1	-	1
23.	FINANCE & ACCOUNTS OFFICER	1	-	1
24.	PRIVATE SECRETARY TO CHAIRMAN	1	-	1
25.	RESEARCH OFFICER (Eco & Stat)	1	-	1
26.	SENIOR ACCOUNTANT	1	1	-
27.	ESTABLISHMENT OFFICER	1	1	-
28.	ASSTT. SUPERINTENDENT	1	1	-
29.	JUNIOR ACCOUNTANT	2	2	-
30.	STATISTICAL ASSTT.	1	-	1
31.	STENOGRAPHER	1	1	-
32.	UPPER DIVISIONAL ASSTT.	4	4	-
33.	P.A TO MEMBER SECRETARY	1	-	1
34.	L.D.ASSTT./ LDA-CUM-TYPIST	12	4	8
35.	DATA ENTRY OPERATOR	2	2	-
36.	TYPIST	4	2	2
37.	LIBRARY ASSTT.	1	-	1
38.	SENIOR DRIVER/ DRIVER	10	4	6
39.	PEON	19	11	8
40.	MALI	1	-	1
41.	DUFTRY	1	1	-
42.	HANDY MAN	1	-	1
43.	CHOWKIDAR	3	2	1
TOTAL		123	66	57



ANNEXURE -2

ORGANISATIONAL CHART





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

## NON-OFFICIAL MEMBERS

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



## ANNEXURE-4

CONSENT TO ESTABLISH ISSUED DURING THE  
YEAR 2013-2014

Sl. No.	Name of Industry	Type of Unit	Location of the Industry/Unit	Date of Consent To Establish Issued
1.	India Telecom Infra Limited	DG Set	Matchakolgre, Tura in West Garo Hills District	03-04-2013
2.	Bharti Infratel Ltd	DG Set	(i) Lower Balian (ii) Marngar (iii) 15th Mile (HDFC) Bank (iv) Mawkhan and (v) Erpakon in Ri-Bhoi District	03-04-2013
3.	Bharti Infratel Ltd	DG Set	Mawsium (Mairang) in West Khasi Hills District	03-04-2013
4.	Bharti Infratel Ltd	DG Set	(i) Upper Mawprem (ii) Rngi Kseh (Nongkrem) (iii) Mawsawrit (iv) Mawpyrshong and (v) Mawlaingut in East Khasi Hills District	03-04-2013
5.	Bharti Infratel Ltd	DG Set	(i) Jakrem (ii) Nongkhlaw (iii) Rongkhugre (iv) Mawpon (v) Phodjaud Rangthong and (vi) Nongum in West Khasi Hills District	03-04-2013
6.	B. Shylla Health Care Inc.	Package Mineral/ Drinking Water Unit	Khlieh Umbluh, Dkhiah East, East Jaintia Hills District	07-04-2013
7.	Marak Bricks	Brick Kiln	Gabil Koksi, East Garo Hills District	08-04-2013
8.	Gresilda Rubber Processing Unit	Rubber Processing Ubit	Jengrinpara, Kawahagra, South West Garo Hills District	08-04-2013
9.	Ess Bee Industries	Package Drinking Water Unit	Mawlai Mawroh, East Khasi Hills District	06-05-2013
10.	North East Tubular Poles Pvt Ltd	Bamboo Based Industry	Umiam Industrial Area, Ri-Bhoi District	08-05-2013
11.	Chibasal Packaged Drinking	Packaged Drinking Water Unit	Asanang, West Garo Hills District	08-05-2013



12.	Donkumar Lyngdoh Stone Crushing Unit	Stone Crushing Unit	Kyiem Mawphlang, East Khasi Hills District	09-05-2013
13.	BSC – C & C ‘JV’	Stone Crushing Unit	Mawrusyiar, Nongstoin, West Khasi Hills District	08-05-2013
14.	Aiborman THangkhiew Stone crusher	Stone Crushing Unit	Manikpur, Jirang, Ri-Bhoi District	14-05-2013
15.	Goldwin Khongwir Stone Cutting	10 MT/D of Stone Block	Kut madan, Sohra, East Khasi Hills District	14-05-2013
16.	Meghalaya Beverages Incorporated	Packaged Drinking Water Unit	Umiarong, Umsning, Ri-Bhoi District	10-06-2013
17.	Golden Earth Hotel-Cum Restaurant	Hotel & Restaurant	Thana Road, Shillong, East Khasi Hills District	19-06-2013
18.	P.K. & Company	Stone Crushing Unit	Gabil Road, near 55th K.M. of N.H 51, West Garo Hills District	12-07-2013
19.	Bharti Infratel Ltd	DG Set	Latyrke (Moolammylliang Village) in East Jaintia Hills District	25-07-2013
20.	Bharti Infratel Ltd	DG Set	Latyrke (Dong Nongrim Hills) in East Jaintia Hills District	25-07-2013
21.	Bharti Infratel Ltd	DG Set	Lyngkien in East Khasi Hills District	25-07-2013
22.	Bharti Infratel Ltd	DG Set	Pyndengumiong, Mairang in West Khasi Hills District	25-07-2013
23.	Car wash	Servicing Unit	Mission Compound, Shillong in East Khasi Hills District	30-07-2013
24.	Simplex Infrastructures Ltd	120 MT/HR WET MIX PLANT, 120 MT/HR HOT MIX BATCH TYPE PLANT, 45 CUM/HR CONCRETE BATCHING PLANT, 500 KVA D.G. SET, 125 KVA D.G. SET AND 250 MT/HR STONE CRUSHER	Wah Umpleng, Moosiang Lamare (New) Village, Rymbai Elaka in East Jaintia Hills District	29-08-2013



25.	Bharti Hexacom Ltd	DG Set	(i) Umstain (ii) Umtyra (iii) Shangpung Mission (iv) Lumshnong (v) Sutnga (vi) Khliehriat (vii) Khliehriat West in East Jaintia Hills District	28-08-2013
26.	Meghalaya Cast & Alloys (P) Ltd	M.S. Ingots from 21000 TPA to 34320 TPA	Harlibagan, Byrnihat, Ri-Bhoi District	30-08-2013
27.	Bharti Hexacom Ltd	DG Set	(i) Wahlyngkhat (ii) Mawpran (Pynursla) (iii) Laitlyngkot (iv) Laitkynsew (v) Mawphlang (vi) Mawngap (Mawsmal) (vii) Lad Mawphlang (viii) Mawsun in East Khasi Hills District	29-08-2013
28.	13 Ngut Shipara Stone Crusher	Stone Crusher	Mawlangwir (Mawkyrwat), South West Khasi Hills District	23-08-2013
29.	Shakambari Ferro Alloys (P) Ltd	2x125 KVA D.G. Set	Riwiang, Seinduli, West Khasi Hills District	06-09-2013
30.	Bethany Hospital Outreach	Hospital	Nongpoh, Ri-Bhoi District	06-09-2013
31.	Meghalaya Cements Ltd	2x1500 KVA DG Set	Thangskai in East Jaintia Hills District	11-09-2013
32.	Marba Hub	Hotel & Restaurant alongwith 1010 KVA DG set	Police Bazar, Shillong in East Khasi Hills District	12-09-2013
33.	C.T. N sangma Stone Crusher	Stone Crushing Unit	Samanda in East Garo Hills District	30-09-2013
34.	Pyrtuh Stone Crusher	Stone Crushing Unit	Umshangiar, Sohmynting in West Jaintia Hills District	13-09-2013
35.	Traveller’s Bed & Breakfast	Guest House	Lumsohkynphor, Polo, Shillong in East Khasi Hills District	13-09-2013
36.	Sistema Shyam TeleService	D.G. Set	Lumsohphoh, Nongthymmai in East Khasi Hills District	13-09-2013
37.	E.Rymbai Stone Crusher	Stone Crushing Unit	Khliehtyrshi, Sohmynting in West Jaintia Hills District	13-09-2013
38.	Willing Stone Crusher	Stone Crushing Unit	Manggapara, South West Garo Hills District	01-11-2013





39.	Sumer Stone Crusher	Stone Crushing Unit	Lad Mukhla, Thadlaskein in West Jaintia Hills District	30-08-2013
40.	Evan Stone Crusher	Stone Crushing Unit	Wah Mynthui, Sonapur in West Jaintia Hills District	30-08-2013
41.	Rynta Industries	Waste Saw Dust Grinding Unit	Mawlyntriaw, Nongkhaw Syiemship, West Khasi Hills District	30-08-2013
42.	M/s Bharti Infratel Ltd	DG Set	(i) Muknang (Namdong) (ii) Ladmukhla (iii) Laskein in West Jaintia Hills District	31-10-2013
43.	M/s Bharti Hexacom	D.G Set	(i) Khliehshong Sohra (ii) Myllem Mawsawa (iii) 3rd Mile Upper Shillong (iv) Sadew (v) Laitryngew (vi) Mawjrang (vii) Mawsmal in East Khasi Hills District	31-10-2013
44.	M/s Bharti Hexacom	D.G Set	(i) Sohryngkham (Mawlyndep) in East Khasi Hills District	31-10-2013
45.	M/s Bharti Hexacom	D.G Set	(i) Umsaw (ii) Puriang (iii) Mawryngkneng (iv) Umiew Nongkrem (v) Smit in East Khasi Hills District	31-10-2013
46.	M/s Bharti Hexacom	DG Set	(i) Mihmyntdu-B (ii) Loomsooiung (New Hill) (iii) lamin (iv) Ummulong (v) Khliehtyrci in West Jaintia Hills District	31-10-2013
47.	M/s Bharti Infratel Ltd	D.G Set	(i) Domsawlein, Nongkrem, West Khasi Hills District (ii) Kynrud, West Khasi Hills District (iii) Lum Mawthung, Mawkhan, East Khasi Hills District (iv) Nongmynsain, Mawphanniew in West Khasi Hills District	11-11-2013
48.	M/s Bharti Infratel Ltd	D.G Set	(i) Dhorombasti (ii) Mawkneng (iii) Umdoh Mawpat (Shella Bazar) (iv) Sohryngkham (Lulong) (v) Weiloi (vi) Umniuh in East Khasi Hills District	25-11-2013



49.	M/s Bharti Infratel Ltd	D.G Set	Mookyndur in West Jaintia Hills District	25-11-2013
50.	M/s Bharti Hexacom Ltd	D.G Set	(i) Lumbatngen (Law-u-Sib) (ii) Happy Valley (iii) Laban near Umshyrpi College (iv) Sunny Hill (v) Bishnupur (Kench Trace) in East Khasi Hills District	27-11-2013
51.	M/s Bharti Infratel Ltd	D.G Set	(i) Romkalsingri (ii) Kherapara Nokat in West Garo Hills District	28-11-2013
52.	M/s Bharti Hexacom Ltd	D.G Set	(i) Tappra (ii) Duragri (iii) New Tura Sunny Hill (iv) Dobasipara (v) Chitoletale in West Garo Hills District	29-11-2013
53.	M/s Bharti Hexacom Ltd	D.G Set	(i) Kusimkolgri (ii) Mikkasimdam in East Garo Hills District	03-12-2013
54.	M/s Devyani International	Fast Food Restaurant	Marba Hub, Police Bazar, Shillong in East Khasi Hills District	05-12-2013
55.	M/s Bharti Infratel Ltd	D.G Set	(i) Cherangapara in South Garo Hills District	05-12-2013
56.	M/s Bharti Infratel Ltd	D.G Set	(i) Rongkamtuchi (ii) Upper Rongjeng in East Garo Hills District	06-12-2013
57.	M/s Bharti Hexacom Ltd	D.G Set	(i) 22nd Mile Umling (ii) Pahamsyiem, Lum Thrieh (iii) Nongsder (iv) Umden, Lum Pongkai (v) Umden Khri (vi) Umden, Lum Mawpynthih (vii) Marmain (viii) Dulongnar (ix) Maikhuli in Ri-Bhoi District	06-12-2013
58.	M/s Green Valley Modern Atta Chakki Mill	Atta Chakki Mill	9th Mile Baridua, Ri-Bhoi District	23-01-2014
59.	M/s Automobile Workshop	Automobile Workshop & Servicing Unit	Nongrah Lummarboh, Shillong, EKHD	24-01-2014
60.	Smti. Stillbon Kharbani	Cold Mix Plant	Nongspung Laitmawsiang Road to Mawkynroh	06-02-2014



61.	Shri Rastingwell Thabah	Cold Mix Plant (Bitumen Mixer) and Cement Mixer	Sohiong Pariong Road to Kharongoi, Mawlynthoh & Wahnongbah (L-3.59 KM)	07-02-2014
62.	M/s Supercare Hospital	46 Bedded Hospital	Sawlad, Demthring, EKHD	07-02-2014
63.	Smti Memory Lyngdoh	Cold Mix Plant (Bitumen Mixer) and Cement Mixer	Mbt of a road from "T-01 to Jaud (L-1.573)" Phase – VII	07-02-2014
64.	Shri Dorjen Khongsni	Cold Mix Plant (Bitumen Mixer) and Cement Mixer	Mawryngkang to Nongthymmai (Mawshun) (L-2.50 KM)	07-02-2014
65.	Shri Friday Hinge	Cold Mix Plant (Bitumen Mixer) and Cement Mixer	Mbt of a road from Lyngkhat Tmar to Nongsohpian (L-3.0) Km	11-02-2014
66.	M/s K. K. Stone Crusher	Stone Crusher	Dieng Sohmiaw, Jakrem, EKHD	03-03-2014
67.	M/s Pine Polypacks	Package Drinking Water Unit	Umiam Industrial Area, Barapan	05-03-2014
68.	M/s Shiva Stone Crusher & Processor	Stone Crushing Unit	Tamulkuchi, Ri-Bhoi District	05-03-2014
69.	M/s W. Abetsing Nongsiej Stone Crusher	Stone Crushing Unit	Umkohseng, Kynshi Bangla, West Khasi Hills District	06-03-2014
70.	M/s Pawan Castings (Meghalaya) Pvt Ltd	Expansion M.S Ingots 18480 TPA to 25760 TPA	Harlibagan, Ri-Bhoi District	06-03-2014
71.	M/s Adam's Ale	Package Drinking Water Unit	Riatturiem, Jowai	06-03-2014
72.	M/s BSC-C&C (JV)	DG Sets	Kynshi, WKHD	06-03-2014
73.	M/s Meghalaya Cements	Native Down Draft Furnance (Clay Bhatta No. 2)	Thangskai Village, Jaintia Hills District	11-03-2014
74.	M/s Car Washing Centre	A u t o m o b i l e Servicing Unit	K.A. Road, Tura, WGHD	12-03-2014
75.	M/s Shree Ganesh Stone Crusher	Stone Crushing Unit	Iohmarahrim, Jirang, Ri-Bhoi District	20-03-2014
76.	M/s Bharti Infratel Ltd	DG Sets	Upper Damachiga, WGHD	20-03-2014
77.	M/s North East Bottling Ltd	IMFL Bottling Plant	9th Mile, Baridua, Ri-Bhoi District	26-03-2014
78.	M/s Sriram Wires Products (Meghalaya)	Expansion of M S Black Wires & Wire Nails from 3690 tPA to 20400 TPA	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	20-03-2014



79.	M/s Bharti Hexacom Ltd	DG Set	Modrina Mansion (Laitumkhrah), Shillong, EKH	20-03-2014
80.	M/s Shillong Ispat & Rolling Mills	Expansion of MS Ingots from 26600 to 33600 TPA & MS Rolled Unit from 45000 to 57000 TPA	13th Mile, Tamulkuchi, Byrnihat, Ri-Bhoi District	20-03-2014
81.	M/s R. Car Wash	Automobile Servicing Unit	Mawlai Nongpdeng, Shillong, EKH	20-03-2014
82.	M/s Rilangki Ksoo Stone Crusher	Stone Crusher	Tuber-Sohshrieh, WJHD	21-03-2014
83.	M/s Nats Restaurant	Restaurant	Police Point, Laitumkhrah, Shillong, EKHD	21-03-2014
84.	M/s Bathyngkai Automobile Workshop	Automobile Workshop	Mawlai Phudmuri, Shillong, EKHD	24-03-2014
85.	M/s KBS Motors	Automobile Workshop	Mawrie Mawheh, Laitkor, Shillong, EKHD	24-03-2014
86.	M/s Zion Machines Ltd	C o r r u g a t e d Cardboard Boxes @1000 TPA & Alluminium Pilfer Proof Caps and Closures @270 Million pieces/Annum	Amjok, Byrnihat, Ri-Bhoi District	25-03-2014
87.	M/s D. Pyngrope Workshop	Automobile Workshop	Mawlai Nongkwar, Block-13, Shillong, EKHD	21-03-2014
88.	M/s Meghalaya Polyfab	Non-Woven Bag Manufacturing Unit	9th Mile Baridua, Ri-Bhoi District	24-03-2014
89.	Shri Krup Nongbsap	Cold Mix Plant (Bitumen Mixer) and Cement Mixer	Mbt of a road from "L-026 to Lailulong Sec-II (L-1.523 Km)	27-03-2014

## ANNEXURE-5

## RENEWAL OF CONSENT TO ESTABLISH DURING 2013-2014

Sl. No	Name of Industry	Type of Unit	Location of the Industry/Unit	Date of Consent To Establish Renewal
1.	Vinayak Biscuits	Biscuit Manufacturing Unit	Nati Purong, 9th Mile, Baridua, Ri-Bhoi District	19-04-2013
2	Shakambari Ferro Alloys (P) Ltd	Ferro Alloy	Riwiang, Seinduly, West Khasi Hills District	07-05-2013
3	Shakambari Ferro Alloys (P) Ltd	10 MW Captive Power Plant	Riwiang, Seinduly, West Khasi Hills District	08-05-2013
4.	Jaintia cements Limited	Limestone Mining	Tohsniang, Latyrke, Sutnga Elaka, Jaintia Hills District	23-05-2013
5.	Pioneer Carbide (P) Limited	Modernization of the existing Ferro Unit and Expansion of Ferro Alloy Plant	Upper Baliyan, Byrnihat, Ri-Bhoi District	05-05-2013
6.	Meghalaya Power Generation Corporation Limited	New Umtru Hydro Electric Project (2x20 MW)	Dehal, Ri-Bhoi District	13-06-2013
7.	B.W. Wahlang Stone Crusher	Stone Crushing Unit	Pahamkynshoh, Themmarwet, Ri-Bhoi District	08-07-2013
8.	Rain Towers Cold Storage	Cold Storage	Lumsohriew, Myllem Syiemship, East Khasi Hills District	24-07-2013
9.	S.D. Ceramics	Ceramic Plant	13th Mile, Tamulkuchi, Ri-Bhoi District	11-09-2013
10.	M/s Mawmluh Cherra Cement Limited	Limestone Mining Project	Mawmluh, Sohra, East Khasi Hills District	04-11-2013
11.	M/s Mawmluh Cherra Cement Limited	Expansion of the Cement Plant @ 1280 TPD	Mawmluh, Sohra, East Khasi Hills District	04-11-2013
12.	M/s Meghalaya Cements Ltd	4.88 Limestone Mining Project	Khliehajari, East Jaintia Hills District	13-11-2013
13.	M/s Lafarge Umiam Mining (P) Ltd	67.92 Ha Shale & Siltstone Mining Project	Shella, East Khasi Hills District	17-02-2014
14.	Shillong Municipal Board	Sanitary Landfill	Marten, Mawiong, East Khasi Hills District	23-01-2014

## ANNEXURE-6

## CONSENT TO OPERATE DURING 2012-2013

Sl. No	Name of Industry	Type of Unit	Location of the Industry/Unit	Date of Consent To Operate Issued
1.	M/s Marak Stone Crusher	Stone Crusher	Tamulkuchi, Byrnihat, Ri-Bhoi District	18-04-2013
2	M/s Hi-Tech Kharpran Stone Crusher	Stone Crusher	Mawlynggad, East Khasi Hills District	19-04-2013
3	M/s B.K Timber Industries	Saw cum Veneer Mill	Umiam Industrial Area, Ri-Bhoi District	19-04-2013
4.	M/s Larry Rymbai Stone Crusher	Stone Crusher	Lamlyer, Jarain, Khyrim Syiemship, East Khasi Hills District	23-04-2013
5.	M/s S J K Stone Crusher,	Stone Crusher	Kyrdemkhla, Mawkaphar, East Khasi Hills District	06-05-2013
6.	M/s Roson Lyngdoh Stone Crusher	Stone Crusher	Tynriang Sngi, Umthli Raid Nongkhyriem Syiemship, East Khasi Hills District	06-05-2013
7.	M/s A.One Industries	Lead Acid Battery Recycling Unit	Barapathar, Ri-Bhoi District	14-05-2013
8.	M/s Sangriang Mining Enterprise	Silimanite Mining Project	Langumshing, P.O Nongstoin, West Khasi Hills District	20-05-2013
9.	M/S Umadutt Industries Ltd	HDPE Bags Manufacturing Unit	Amjok, Byrnihat, Ri-Bhoi District	21-05-2013
10.	M/s CMJ Breweries (P) Limited	IMFL Plant	New Industrial Area, Byrnihat, Ri-Bhoi District	09-07-2013
11.	M/s CMJ Breweries (P) Limited	Brewery Plant	New Industrial Area, Byrnihat, Ri-Bhoi District	02-07-2013
12.	M/s Bharti Hexacom Ltd	D.G. Set	Hynngang Barilum, Ri-Bhoi District	13-08-2013
13.	M/s Bharti Hexacom Ltd	D.G. Set	Lad Nartiang, West Jaintia Hills District	13-08-2013
14.	M/s Bharti Hexacom Ltd	D.G. Set	Pohkse, Shillong, East Khasi Hills District	13-08-2013
15.	M/s Bharti Hexacom Ltd	D.G. Set	Pata Rim, Umsning, Ri-Bhoi District	13-08-2013
16.	M/s Bharti Hexacom Ltd	D.G. Set	Iawmusiang, West Jaintia Hills District	13-08-2013





17.	M/s Bharti Hexacom Ltd	D.G. Set	Dienshynrum, Khliehriat, East Jaintia Hills District	13-08-2013
18.	M/s Bharti Hexacom Ltd	D.G. Set	Paham Laping, Nongpoh, Ri-Bhoi District	13-08-2013
19.	M/s Bharti Hexacom Ltd	D.G. Set	Police Bazar, Shillong, East Khasi Hills District	13-08-2013
20.	M/s Bharti Hexacom Ltd	D.G. Set	Kyndonsoo (Wapung), West Jaintia Hills District	13-08-2013
21.	M/s Bharti Hexacom Ltd	D.G. Set	Kharmalki, Shillong, East Khasi Hills District	07-08-2013
22.	M/s Bharti Hexacom Ltd	D.G. Set	Jhalupara, Shillong, East Khasi Hills District	07-08-2013
23.	M/s Bharti Hexacom Ltd	D.G. Set	Polo Hills, Shillong, East Khasi Hills District	07-08-2013
24.	M/s Bharti Hexacom Ltd	D.G. Set	Mawlai Mawdatbaki, Shillong, East Khasi Hills District	07-08-2013
25.	M/s Bharti Hexacom Ltd	D.G. Set	Bahartilla, Ladrymbai, East Jaintia Hills District	07-08-2013
26.	M/s Bharti Hexacom Ltd	D.G. Set	Mawlai, Shillong, East Khasi Hills District	07-08-2013
27.	M/s Bharti Hexacom Ltd	D.G. Set	Mawlynrei, Shillong, East Khasi Hills District	07-08-2013
28.	M/s Bharti Hexacom Ltd	D.G. Set	Shangbangla, Umling, Ri-Bhoi District	08-08-2013
29.	M/s Bharti Hexacom Ltd	D.G. Set	Nongrim, Byrnihat, Ri-Bhoi District	08-08-2013
30.	M/s Bharti Hexacom Ltd	D.G. Set	Nongladew, Quinine, Ri-Bhoi District	08-08-2013
31.	M/s Bharti Hexacom Ltd	D.G. Set	Umsamlem, Ri-Bhoi District	08-08-2013
32.	M/s Bharti Hexacom Ltd	D.G. Set	Jorabat, Ri-Bhoi District	08-08-2013
33.	M/s Bharti Hexacom Ltd	D.G. Set	Umiam, Shillong, East Khasi Hills District	08-08-2013
34.	M/s Bharti Hexacom Ltd	D.G. Set	Umtrew, Ri-Bhoi District	08-08-2013
35.	M/s Bharti Hexacom Ltd	D.G. Set	Paltan Bazar, Shillong, East Khasi Hills District	07-08-2013
36.	M/s Bharti Hexacom Ltd	D.G. Set	Jowai (A.I.R), West Jaintia Hills District	07-08-2013
37.	M/s Nalari Ferro Alloys Ltd	Expansion Ferro Alloy Plant from 6,000 to 12,000 MTPA	EPIP, Byrnihat, Ri-Bhoi District	30-07-2013



38.	M/s Nongkhlaw Crushing Stone	Stone crushing unit	Mawnianglah, East Khasi Hills District	30-07-2013
39.	M/s Bharti Hexacom Ltd	D.G. Set	Laitkor, East Khasi Hills District	14-08-2013
40.	M/s Rain Tower	500 KVA D.G. Set	Lumsohriew, East Khasi Hills District	14-08-2013
41.	M/s Robert Samuel L. Rngaid Stone Crusher	Stone Crusher	Mawkyrwat, South West Khasi Hills District	14-08-2013
42.	M/s Bharti Hexacom Ltd	D.G. Set	Nongthymmai, Shillong, East Khasi Hills District	14-08-2013
43.	M/s Bharti Hexacom Ltd	D.G. Set	Pohkseah (Nongthymmai), Shillong, East Khasi Hills District	22-08-2013
44.	M/s Bharti Hexacom Ltd	D.G. Set	Mawpat, Shillong, East Khasi Hills District	22-08-2013
45.	M/s D.H Royal Cars	Automobile Repairing & Servicing Unit	Laitkor Rngi, East Khasi Hills District	27-08-2013
46.	M/s Bharti Hexacom Ltd	D.G. Set	Demseiniong, Shillong, East Khasi Hills District	26-08-2013
47.	M/s Bharti Hexacom Ltd	D.G. Set	Lachumiere, Shillong, East Khasi Hills District	26-08-2013
48.	M/s Bharti Hexacom Ltd	D.G. Set	Mawiongrim, East Khasi Hills District	26-08-2013
49.	M/s Bharti Hexacom Ltd	D.G. Set	Umpher, Jaintia Hills District	26-08-2013
50.	M/s Bharti Hexacom Ltd	D.G. Set	Umlyngka, Upper Shillong, East Khasi Hills District	26-08-2013
51.	M/s Shanlang Stone Crusher	Stone Crusher	Bhoirymbong, Lumdaitkhla, Ri-Bhoi District	11-09-2013
52.	M/s Richmond L. Mawnai Stone Crusher	Stone Crusher	Mawsawa, Pyndemumiong in West Khasi Hills District	11-09-2013
53.	M/s Stay Inn Guest House	Hotel	Keating Road, Shillong in East Khasi Hills District	09-09-2013
54.	M/s Kharbuli Stone Crusher	Stone Crusher	Mawpohliw Marang Jaidoh, West Khasi Hills District	28-10-2013
55.	M/s Paiaskhem Stone Crusher	Stone Crushing Unit	Mawjriong, Kyrdemkhla in East Khasi Hills District	25-10-2013
56.	M/s Hotel Polo Towers	100 KVA DG Set	Hotel Polo Towers, Polo Ground, Shillong in East Khasi Hills District	31-10-2013
57.	M/s Nongstoin Mining Co-Operative Soceity Ltd	4.5 Hectares Silimanite Minig Project	Umsohpie Nongstoin, West Khasi Hills District	31-10-2013



58.	M/s Pyarmon Kharnary Stone Crusher	Stone Crushing Unit	Kynton-U-Lang, Lyngkyrdem, East Khasi Hills District	28-11-2013
59.	M/s Mightymon Rashir Brick Manufacturing Unit	Brick Kiln	Nongdhapor, West Khasi Hills District	28-11-2013
60.	M/s Bimla Ispat & Rolling Mill	Mild Steel Ingot Manufacturing Unit	13th Mile, Tamulkuchi, Ri-Bhoi District	29-11-2013
61.	M/s YFC Projects (P) Limited	200 TPH Wet Mix Plant, 160 TPH Hot Mix Batch Type Plant, 30 CuM/HR Track Mounted Crusher	Mawiong Rim, East Khasi Hills District	29-11-2013
62.	M/s Edmund Pyngrope Stone Crusher	Stone Crushing Unit	Laitkor Mawrie Lumheh, East Khasi Hills District	29-11-2013
63.	M/s Meghalaya Cements Ltd	1500 DG Sets (2) Nos	Cement Plant Premises, Thangskai, Jaintia Hills District	05-12-2013
64.	M/s Bharti Hexacom	(1) Nos 125 KVA DG Sets	Modrina Mansion (Laitumkhrah), Shillong, East Khasi Hills District	06-12-2013
65.	M/s Wahlang & Daughter	Stone Crushing Unit	Marok, Porsohsat, West Khasi Hills District	16-12-2013
66.	M/s Alloysius Areng	Pet Bottles Manufacturing & Blowing Unit	Lawbyrwa, Raid Mawbuh, Ri-Bhoi District	19-12-2013
67.	M/s Vasna Pearl Bamon	Automatic Water Re-filling Unit	Lawbyrwa, Raid Mawbuh, Ri-Bhoi District	19-12-2013
68.	M/s Thawain Plain	Water Treatment Plant	Lawbyrwa, Raid Mawbuh, Ri-Bhoi District	19-12-2013
69.	M.s D.K.S Stone Crusher	Stone Crushing Unit	Domkseh Laitkroh Sirdarship, EKHD	09-01-2013
70.	M/s Bharti Infratel Ltd	DG Set	(i) Lower Balian (ii) 15th Mile (HDFC Bank) (iii) Mawkhan (iv) Epakon	14-01-2013
71.	M/s Meghalaya Cast & Alloys (P) Ltd	M.S. Ingots 34320 TPA	Harlibagan, Byrnihat, Ri-Bhoi District	06-02-2014
72.	M/s J.J. Stone Crusher	Stone Crushing Unit	Lum-Jong-U-Noi, Sohryngkham, EKHD	07-02-2014
73.	M/sWanphai Syngkrem Stone Crusher	Stone Crushing Unit	Mawpran, Pynursla, EKHD	07-02-2014
74.	M/s S.J.K Stone Crusher	Stone Crushing Unit	Kyrdemkhla, Mawkaphar, Laitkroh Elaka, EKHD	17-02-2014



75.	M/s Bharti Infratel Ltd	DG Set	(i) Mynsngat (ii) Jarain (iii) Cham Cham (iv) Umladong (v) JUD Cements (vi) Shiliang Umshong (vii) Dkhiah West (viii) Sahsnaing Saitthad in EJHD	03-03-2014
76.	M/s Bharti Infratel Ltd	DG Set	(i) Upper Mawprem (ii) Rngikseh (Nongkrem) (iii) Mawsawrit (iv) Mawpyrshong (v) Mawlaingut in EKHD	03-03-2014
77.	M/s Bharti Infratel Ltd	DG Set	(i) Jakrem (ii) Nongkhlaw (iii) Rongchugre (iv) Mawpon (v) Nongum in WKHD	04-03-2014
78.	M/s Chesa Automobile Workshop	Automobile Workshop	Matchikolgre, Tura, WGHD	20-03-2014
79.	M/s Tea Development Centre Mini Tea Processing Unit	Tea Processing Industry	Government Ta Farm, Umsning, Ri-Bhoi District	27-03-2014

## ANNEXURE-7

## RENEWAL OF CONSENT TO OPERATE DURING 2013-2014

Sl. No	Name of Industry	Type of Unit	Location of the Industry/Unit	Date of Renewal Consent To Operate Issued
1.	KEC International Ltd	DG Sets	(i) Bogularbhita (ii) Salmanpara (iii) Gandhipara (iv) Kalaigaon (v) Dingpara (vi) Dakop (vii) Selsella in West Garo Hills District	03-04-2013
2	KEC International Ltd	DG Sets	(i) Patranga (ii) Tikrikilla (iii) Konarchar (iv) New Bhaitbari (v) Kasaripara (vi) Rajpur (vii) Magurmari (viii) Koinaboi (ix) Dalu (x) Paham and (xi) Dollonggre in West Garo Hills District	03-04-2013
3.	KEC International Ltd	DG Sets	(i) Umdang (ii) Marskuin (iii) Kamphauduli (iv) Domjarain (v) Ngunraw (vi) Ranikor (vii) Tiehnongbah (viii) Makyllei (ix) Borsora in West Khasi Hills District	03-04-2013
4	KEC International Ltd	DG Sets	(i) Kynshi (ii) Mawphynniew (iii) Nongkrem (iv) Kynrut (v) Nongum (vi) Marshillong (vii) Rangthong and (viii) Rikhen in West Khasi Hills District	03-04-2013
5.	KEC International Ltd	DG Sets	(i) Sonagre (Chokpot Bazar) (ii) Katholbari (iii) Nayagoan (iv) Rimrangpara (v) Majherchar (vi) Magalpara (vii) Chibagre (viii) Renigre (ix) Nandichar (x) Goldahgre in West Garo Hills District	03-04-2013
6.	KEC International Ltd	DG Sets	(i) Bakur (ii) Laskein and (iii) Tamabil in Jaintia Hills District	03-04-2013
7	KEC International Ltd	DG Sets	(i) Bakur (ii) Laskein (iii) Tamabil in Jaintia Hills District	03-04-2013

8.	KEC International Ltd	DG Sets	(i) Umdu (ii) Pilangkata (iii) Umrit (iv) Umdohkha (v) Mawtneng (vi) Mawrong (vii) Mawphu (viii) Klew (ix) Umtyrnga (x) Zero Point and (xi) Warmawsaw in Ri-Bhoi District	03-04-2013
9.	KEC International Ltd	DG Sets	(i) Khantolguri (ii) Bajengdoba (iii) Kharkutta (iv) Chotcolja (v) Darakona and (vi) Samanda in East Garo Hills District	02-04-2013
10.	KEC International Ltd	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 and (xv) Mynkhang in Jaintia Hills District	03-04-2013
11.	KEC International Ltd	DG Sets	(i) Ryngku (ii) Umniuh Tmar (iii) Jatap (iv) Nongsawiang (v) Bholaganj (vi) Nongwar (vii) Shella Bazar (viii) Mawiong (ix) Jongksha (x) Mawsdang (xi) Balat (xii) Wahkdait (xiii) Mawkynrew (BDO Compound) and (xiv) Nohron in East Khasi Hills District	003-04-2013
12.	KEC International Ltd	DG Sets	(i) Gokulgre and (ii) Chidmit in East Garo Hills District	03-04-2013
13.	M/s Cement Manufacturing Company Ltd	4.96 Ha Khub-I Limestone Mining	Lumshnong, East Jaintia Hills District	19-04-2013
14.	M/s Eden Restaurant	Restaurant	Police Bazar, Shillong, East Khasi Hills District	19-04-2013
15.	M/s B.K. Saw cum Veneer Mills Pvt Ltd	Saw cum Veneer Mill	12th Mile, Byrnihat, Ri-Bhoi District	19-04-2013
16.	M/s Hotel Briwell	Hotel	Quinton Road, Police Bazar, Shillong, East Khasi Hills District	19-04-2013
17.	M/s J. Saw & Mill Ltd	Saw cum Veneer Mill	15th Mile, Byrnihat, Ri-Bhoi District	18-04-2013





18.	KEC International Ltd	DG Sets	(i) Haibhanga (ii) Betasing Block (HQ) (iii) Aguragre (iv) Patharkata and (v) Gambegre in West Garo Hills District	18-04-2013
19.	M/s Megha Technical & Engineers Pvt Ltd	DG Set(6 x 1.5 MW)	Lumshnong, East Jaintia Hills District	17-04-2013
20.	M/s Splendid Restaurant	Restaurant	Iewduh, Shillong, East Khasi Hills District	24-04-2013
21.	M/s Naz Restaurant	Restaurant	Mawlonghat, Near Thangkhiew Petrol Pump, Shillong, East Khasi Hills District	23-04-2013
22.	M/s J.S Bakery & Confectionery	Bakery	Jaiaw Langsning, Shillong, East Khasi Hills District	23-04-2013
23.	M/s Hotel Blue Pine	Hotel	Gulista Market, G.S. Road, Shillong, East Khasi Hills District	23-04-2013
24.	M/s BSC-C&C(JV)	Wet Mix Plant, Hot Mix Plant, Concrete Batching Plant	Rongkhen Samanda Village (Camp-4), In East Garo Hills District	23-04-2013
25.	M/s Mahabir Flour Mill	Atta-Chaki Mill	Luckier Road, Shillong, East Khasi Hills District	23-04-2013
26.	M/s Dyna Roof Pvt Ltd	Colour coated, Corrugation Iron& ridging manufacturing Unit	10th Mile, Mawsmal, Ri-Bhoi District	29-04-2013
27.	M/s Powergrid Corporation of India Ltd	DG Set	Powergrid Complex, Lapalang, Shillong, East Khasi Hills District	26-04-2013
28.	M/s Godrej Consumers Products Ltd, Byrnihat	DG Set	15th Mile, G.S. Road, Byrnihat, Ri-Bhoi District	02-05-2013
29.	M/s Megh Technical & Engineers P Ltd	2040 TPD Clinker Grinding Unit	Lumshnong, East Jaintia Hills District	01-05-2013
30.	M/s Lafarge Umiam Mining P Ltd, Shella	Limestone Mining Project	Nongtra, Shella, East Khasi Hills District	07-05-2013
31.	The Fruit Preservation Centre	Fruit Processing Unit	Fruit Garden, Shillong, East Khasi Hills District	07-05-2013
32.	M/s Broadway Hotel	Hotel & Restaurant	Police Bazar, Shillong, East Khasi Hills District	07-05-2013
33.	M/s Palomino Restaurant	Restaurant	Opposite St. Edmunds School, NH-44, Shillong-Jowai Road, Shillong, East Khasi Hills District	30-04-2013



34.	M/s Highway Lodge Hotel	Hotel & Restaurant	G.S.Road, Police Bazar, Shillong, East Khasi Hills District	06-05-2013
35.	M/s Dejira Bricks Industries	Brick Kiln	Dorambok. P.O. Mukdangre West Garo Hills District	06-05-2013
36.	M/s Rose Warjri Bakery	Bakery Unit	Mawlai Mawroh, Shillong, East Khasi Hills District	14-05-2013
37.	M/s Meghalaya Cements Ltd	Stone Crushing Unit	Thangskai, Lumshnong Village, East Jaintia Hills District	14-05-2013
38.	M/s Maithan Alloys Ltd.	Silico Manganese & Ferro Manganese		20-05-2013
39.	BSC – C & C 'JV'	200 MT/HR WET MIX PLANT, 60 MT/HR HOT MIX BATCH TYPE PLANT, 30 CUM/HR CONCRETE BATCHING PLANT And 300 MT/HR STONE CRUSHER	Mawpon Village, Riango (Camp –II), West Khasi Hills District	14-05-2013
40.	M/s Harmel A Sangma Stone Crusher	Stone Crusher	Bollongiri, Selsella, West Garo Hills District	16-05-2013
41.	BSC – C & C 'JV'	200 MT/HR WET MIX PLANT, 60 MT/HR HOT MIX BATCH TYPE PLANT, 30 CUM/HR CONCRETE BATCHING PLANT and 300 MT/HR STONE CRUSHER	Suangre Village, Shallang (Camp –3), West Khasi Hills District	14-05-2013
42.	M/s Hindustan CoCa Cola Beverages (P) Ltd	D.G. Sets	Rangsakona, Byrnihat, Ri-Bhoi District	27-11-2014
43.	T.M Bakery Unit	Bakery Unit	Mawlai Mawtawar, East Khasi Hills District	27-02-2013



44.	BSC – C & C ‘JV’	200 MT/HR WET MIX PLANT, 160 MT/HR HOT MIX BATCH TYPE PLANT, 160 CUM/HR CONCRETE BATCHING PLANT and 300 MT/HR STONE CRUSHER	Kynshi Village, (Camp –1), West Khasi Hills District	21-05-2013
45.	M/s Hills cement Company Limited	Cement Manufacturing Unit	Mynkre, East Jaintia Hills District	22-05-2013
46.	M/s K.K Beverages (P) Limited	Mineral Water & Carbonated Drinks Manufacturing Unit	Khanapara, 9th Mile, Ri-Bhoi District	30-05-2013
47.	M/s Bharti Infratel	D.G. Sets	(i) Raliang (ii) Thangskai (Lumshnong) (iii) Nongtalang Mission (iv) Dkhiah West (v) Sohkyphor (vi) Wahiajer in East Jaintia Hills District	05-06-2013
48.	M/s Bharti Infratel	D.G. Sets	(i) Mawpdang (ii) Laitkyrhong (iii) Mawpat (iv) Mawtawar (Mawlai) (v) Nongbsap Mission (vi) Kper Masi (vii) Dongshiliang in East Khasi Hills District	07-06-2013
49.	M/s Bharti Infratel	D.G. Sets	(i) Madanryting (ii) Mawshabuit (Nongpdeng) (iii) Laitkor (Nongdaneng) (iv) Mawshabuit (Nongrim) (v) Umphyrnai (Dymmiew) (vi) Rynjah in East Khasi Hills District	07-06-2013
50.	M/s Bharti Infratel	D.G. Sets	(i) Betasingh (ii) Kherapara (iii) Asikakandi (iv) Belbari (v) Taktuki (vi) Chokagre (vii) Chandabhui (viii) Allagre (ix) Rongritura (x) Marpara in West Garo Hills District	07-06-2013



51.	M/s Bharti Infratel	D.G. Sets	(i) Bodagiri (ii) Choramara (iii) Sindakandi (Bhaitbari) (iv) Somingre (v) Rangsakona (vi) Bangsidua (vii) Bangakhota (viii) Jeldopara (ix) Namabil in West Garo Hills District	07-06-2013
52.	M/s Bharti Infratel	D.G. Sets	(i) Nongsning (ii) Byndihati (iii) Mukhep (iv) Narwan Thwaisalang (v) Rymbai (vi) Rynghat (vii) Khliehriat in East Jaintia Hills District	07-06-2013
53.	M/s Bharti Infratel	D.G. Sets	(i) Umshaproh (ii) Nongtraw (iii) Umsawkhwan (iv) Nongsder (v) Mawlong in Ri-Bhoi District	07-06-2013
54.	M/s Bharti Infratel	D.G. Sets	(i) Namchapra (ii) R.C Mission Baghmara (iii) Konaggitim in South Garo Hills District	07-06-2013
55.	M/s Bharti Infratel	D.G. Sets	(i) Norangkal (ii) Line Ading-I (iii) Sarujak (iv) Dubu Bazar (v) Gokulgre (vi) Resupelbara PS Mendi (vii) Nengkhra (viii) Bakrapara (ix) Line Ading-II in South Garo Hills District	07-06-2013
56.	M/s Goenka Engineering Works	Automobile Workshop cum Servicing Station	Keating Road, Shillong, East Khasi Hills District	05-06-2013
57.	M/s M.D.H. Beverages Pvt Ltd	IMFL Bottling Unit	Umiam Industrial Area, in Ri-Bhoi District	05-06-2013
58.	M/s Pioneer Carbide (P) Ltd	Ferro Silicon Unit	Upper Baliyan, Umtru Road, Ri-Bhoi District	05-06-2013
59.	M/s Paras Singh Stone Crusher	Stone crushing unit	Maikhuli, Ri-Bhoi District	05-06-2013
60.	M/s Maithan Alloys Ltd	15 MW Captive Power Plant	EPIP, Byrnihat, Ri-Bhoi District	12-06-2013
61.	M/s Syiem Auto Workshop	Automobile Workshop	Madanryting, Shillong, East Khasi Hills District	12-06-2013
62.	M/s Urlong Tea	Tea Processing Unit	Mawlyngngot, East Khasi Hills District	18-06-2013
63.	M/s Vikash Saw Cum Veneer Mill	Sawn Timber & Veneer making unit	Umiam Industrial Area, in Ri-Bhoi District	20-06-2013
64.	M/s Bharti Infratel	D.G. Sets	(i) Nongrmai (ii) Rikhen (iii) Mawshut (iv) Nongbah Bynther in West Khasi Hills District	20-06-2013



65.	M/s Bharti Infratel	D.G. Sets	(i) Pahamrioh Lum (ii) Umran Ninagbyrnai (iii) Kyrdemkulai Zero Point (iv) MAwsver Zero Point (v) Mawlein in Ri-Bhoi District	20-06-2013
66.	M/s Eastern Saw Mill	Sawn Timber & Veneer	Umiam Industrial Area, in Ri-Bhoi District	20-06-2013
67.	M/s Maithan Smelters Ltd	Oxygen Plant	EPIP, Byrnihat, Ri-Bhoi District	20-06-2013
68.	M/s Timpack (P) Ltd	Bamboo Based Industry	15th Mile, Byrnihat, Ri-Bhoi District	21-06-2013
69.	M/s Shyam Century Ferrous Ltd	Ferro Silicon manufacturing unit	EPIP, Byrnihat, Ri-Bhoi District	20-06-2013
70.	M/s Seven Sisters Plastic Pvt. Ltd	HDPE & Woven Bag manufacturing unit	Amjok, Byrnihat, Ri-Bhoi District	12-06-2013
71.	M/s ITD Cementation India Ltd	Stone Crushing Unit	15th Norbong, Byrnihat, Ri-Bhoi District	10-06-2013
72.	M/s Meghalaya Cements Ltd	Limestone Mining	Chieruphi, Khliehjar, Thangskai, East Jaintia Hills District	12-06-2013
73.	M/s Meghalaya Mineral and Mines Ltd	Limestone Mining	Lumshnong, East Jaintia Hills District	11-06-2013
74.	M/s Lodri Lyngdoh	Saw cum Veneer mill	Umiam Industrial Area, in Ri-Bhoi District	25-06-2013
75.	M/s S.S. Bakery & Confectionery	Bakery unit	Kynton Massar, Mawlai, Shillong, East Khasi Hills District	25-06-2013
76.	M/s Shyam Century Ferrous Ltd.	Ferro Silicon manufacturing unit	EPIP, Byrnihat, Ri-Bhoi District	09-07-2013
77.	M/s Vaishali Restaurant	Restaurant	Police Bazar, Shillong, East Khasi Hills District	08-07-2013
78.	M/s Green Valliey Industries Limited	Cement Manufacturing Unit	Nongsning Village, Jaintia Hills District	03-07-2013
79.	M/s Cement Manufacturing Company Ltd	Cement Manufacturing Unit	Lumshnong, East Jaintia Hills District	19-07-2013
80.	M/s Mahabir Foods Ltd	Roller flour mill	Umpher Village, 13th Mile, Byrnihat, Ri-Bhoi District	18-07-2013
81.	M/s KEC International Ltd	DG Set	Huroi, East Jaintia Hills District	23-07-2013
82.	M/s KEC International Ltd	DG Set	Bholarbita, West Garo Hills District	23-07-2013



83.	M/s Meghalaya Cements Ltd	2600 Cement manufacturing unit	Thangskai, East Jaintia Hills District	24-07-2013
84.	M/s Bharti Infratel	D.G. Sets	Mawsium (Mairang) in West Khasi Hills District	25-07-2013
85.	M/s Bharti Infratel	D.G. Sets	Skhenpyrsit in West Jaintia Hills District	25-07-2013
86.	M/s Hotel Shantiniketan	Hotel	Thana Road, Police Bazar, Shillong, East Khasi Hills District	25-07-2013
87.	M/s KEC International Ltd	DG Set	(i) Rongra (ii) Ghasapara (iii) Baghmara in South Garo Hills District	23-07-2013
88.	M/s KEC International Ltd	DG Set	(Nongkhram - II in East Garo Hills District	23-07-2013
89.	M/s Sharawn Tea	Tea Processing Unit	Sohryngkham, East Khasi Hills District	19-07-2013
90.	M/s Chennai Network Infrastructure Limited	D.G. Set	Dienshynrum, East Jaintia Hills District	14-08-2013
91.	M/s Chennai Network Infrastructure Limited	D.G. Set	Mukhla, West Jaintia Hills District	14-08-2013
92.	M/s Chennai Network Infrastructure Limited	D.G. Set	Mission Compound, Jowai, West Jaintia Hills District	13-08-2013
93.	M/s Chennai Network Infrastructure Limited	D.G. Set	Laban, Shillong, East Khasi Hills District	14-08-2013
94.	M/s Chennai Network Infrastructure Limited	D.G. Set	Mawlai Nongkwar, Shillong, East Khasi Hills District	14-08-2013
95.	M/s Shivani Ispat & Rolling Mills (P) Ltd	Re-Rolling Mill	13th Mile, Tamulkuchi, Ri-Bhoi District	30-07-2013
96.	M/s Sarvamayee Products Pvt Ltd	Food Grain Processing and Nutri Food & Unit	09th Mile, Baridua, Ri-Bhoi District	30-07-2013
97.	M/s Hotel Polo Towers	Hotel, Restaurant, Bar, Banquet Hall & Conference Room	Jail Road/Polo Ground, Shillong, East Khasi Hills District	30-07-2013
98.	M/s Hindustan Coca-Cola Beverages (P) Ltd	Aerated Sweetened/unsweetened Water and Packaging Drinking water	Byrnihat, Ri-Bhoi District	30-07-2013
99.	M/s Nodrowell & Daughter Bakers & Confectioners	Bakery Unit	Dhankheti, Malki, Shillong, East Khasi Hills District	30-07-2013





100.	North Eastern Regional Load Despatch Centre	DG Set	Power Grid Complex, Nongrah, Shillong, East Khasi Hills District	05-07-2013
101.	M/s Kmel Nongbri Stone Crusher	Stone crushing unit	Mawmaram, East Khasi Hills District	05-07-2013
102.	M/s Shanlang Kharkongor Stone Crusher	Stone crushing unit	Mawjrong, Kyrdemkhla,, East Khasi Hills District	20-08-2013
103.	M/s Meghalaya Power Ltd	1x43 Imported Coal Based Thermal Power Plant	Lumshnong, East Jaintia Hills District	20-08-2013
104.	M/s Meghalaya Power Ltd	8 MW Coal Based Thermal Power Plant	Lumshnong, East Jaintia Hills District	22-08-2013
105.	M/s Sriram Wire Products (Meghalaya)	Black Wire Manufacturing Unit	13th Mile, Tamulkuchi, Ri-Bhoi District	27-08-2013
106.	M/s Shiromani Food Products	Food Grain Cleaning & Sizing Grading Unit	Baridua, Ri-Bhoi District	27-08-2013
107.	M/s Godrej Saralee Ltd	Mosquito Repellent Manufacturing unit	15th Mile, Byrnihat, Ri-Bhoi District	27-08-2013
108.	M/s Chennai Network Infrastructure Limited	DG Set	Laitkor, East Khasi Hills District	28-08-2013
109.	M/s Meghalaya Bitchem (P) Ltd	Bitumen Manufacturing Unit	09th Mile, Killing, Byrnihat, Ri-Bhoi District	29-08-2013
110.	M/s Meghalaya Cements Ltd	Limestone Mining	Rymmai Syndem, Khliehjar, Thangskai, East Jaintia Hills District	30-08-2013
111.	M/s Byrnihat Wood Industries	Saw cum Veneer Mill	15th Mile, Byrnihat, Ri-Bhoi District	30-08-2013
112.	M/s Chennai Network Infrastructure Limited	DG Set	Mawroh, Nongpoh, Ri-Bhoi District	26-08-2013
113.	M/s Chennai Network Infrastructure Limited	DG Set	(i) Jarain (ii) Skhen Pyrsit (iii) Mustem & (iv) in Amlarem, West Jaintia Hills District	26-08-2013
114.	M/s Chennai Network Infrastructure Limited	DG Set	Pommura, East Khasi Hills District	26-08-2013
115.	M/s Chennai Network Infrastructure Limited	DG Set	Mawmang, Mawryngkneng in East Khasi Hills District	26-08-2013



116.	M/s Chennai Network Infrastructure Limited	DG Set	Nongthymmai, Shillong in East Khasi Hills District	26-08-2013
117.	M/s Hotel Pine Borough	Hotel & Restaurant	Police Bazar, Shillong in East Khasi Hills District	23-08-2013
118.	M/s Pawan Castings (Meghalaya) (P) Ltd	Re-Rolling Mill	Harlibagan, Byrnihat, Ri-Bhoi District	11-09-2013
119.	M/s A.A. Nutrition	Food Processing Unit producing Noodles & Health Food @ 950 MTPA	G.S. Road, 10th Mile, Ri-Bhoi District	11-09-2013
120.	M/s Lafarge Umiam Mining (P) Ltd	Independent Mobile Crusher & Conveyor Circuit	Nongtra, East Khasi Hills District	12-09-2013
121.	M/s Hotel Alpine Continental	Hotel, Restaurant & Bar	Thana Road, Shillong in East Khasi Hills District	06-09-2013
122.	M/s Dunhill Food Products	Bakery Unit	Laban, Shillong in East Khasi Hills District	06-09-2013
123.	M/s Nalari Ferro Alloys Ltd	(i) Silico Manganese @ 40TPD (ii) Ferro Silicon @ 10 TPD (iii) Ferro Manganese @ 10 TPD	EPIP, Byrnihat, Ri-Bhoi District	30-09-2013
124.	M/s Northeast Powerline Industries	DG Sets & Pump Sets Assemble Unit	Baridua, Ri-Bhoi District	30-09-2013
125.	M/s Mawmluh Cherra Cement Ltd	930 TPD Cement Manufacturing Unit	Mawmluh, Cherrapunjee, East Khasi Hills District	23-09-2013
126.	M/s Lamshaphrang Car Servicing Centre	Automobile Servicing Unit	Wahingsyiem, Smit, East Khasi Hills District	16-09-2013
127.	M/s Goldstone Cements Ltd	Aggregate Stone Crusher	Umsangat, Village Musiang Lamare in Jaintia Hills District	13-09-2013
128.	M/s Byrnihat Oxygen (P) Ltd	Oxygen Gas Producing Unit	EPIP, Byrnihat, Ri-Bhoi District	13-09-2013
129.	M/s Surya Alloys Industries Ltd	Mild Steel Ingot, Railway Track Material & Wagon Components	13th Mile, Tamulkuchi, Ri-Bhoi District	13-09-2013
130.	M/s Chennai Network Infrastructure Limited	DG Set	Nongmensong, Shillong in East Khasi Hills District	23-10-2013
131.	M/s Chennai Network Infrastructure Limited	DG Set	Mookhep in East Jaintia Hills District	23-10-2013



132.	M/s Chennai Network Infrastructure Limited	DG Set	Hynnianbarilum, Ri-Bhoi District	23-10-2013
133.	M/s Chennai Network Infrastructure Limited	DG Set	Khliehriat in East Jaintia Hills District	23-10-2013
134.	M/s Chennai Network Infrastructure Limited	DG Set	8th Mile, Pasyih in East Jaintia Hills District	23-10-2013
135.	M/s Chennai Network Infrastructure Limited	DG Set	Khliehtyrehri in West Jaintia Hills District	23-10-2013
136.	M/s Chennai Network Infrastructure Limited	DG Set	Mookyndur in West Jaintia Hills District	23-10-2013
137.	M/s Chennai Network Infrastructure Limited	DG Set	Malki, Shillong in East Khasi Hills District	23-10-2013
138.	M/s Cement Manufacturing Company Ltd	4.85 Ha. Limestone Mining	Wahpynkon, Lumshnong in East Jaintia Hills District	24-10-2013
139.	M/s Jaintia Cements Ltd	150 TPD Cement Manufacturing Unit	Latyrke Village, Sutnga Elaka in East Jaintia Hills District	24-10-2013
140.	M/s Roy & Sharma Workshop	Automobli Repairing Workshop	Keating Road, Shillong Shillong in East Khasi Hills District	30-10-2013
141.	M/s ITD Cementation India Ltd	320 KVA DG Set	TRT Site, Norbong, Byrnihat in Ri-Bhoi District	30-10-2013
142.	M/s Chennai Network Infrastructure Limited	DG Set	Laitumkhrah, Shillong in East Khasi Hills District	31-10-2013
143.	M/s Chennai Network Infrastructure Limited	DG Set	Garikhana, Shillong in East Khasi Hills District	31-10-2013
144.	M/s Chennai Network Infrastructure Limited	DG Set	Lad Sutnga in West Jaintia Hills District	31-10-2013
145.	M/s C. Synrem Lime Kiln	Lime Kiln	Wah – U – Tim, Mawmluh in East Khasi Hills District	31-10-2013
146.	M/s Adhunik Cements Ltd	Limestone Mining Block-IV	Thangskai Village in East Jaintia Hills District	31-10-2013
147.	M/s R.B's Bakery	Bakery Unit	Police Bazar, Shillong, East Khasi Hills District	12-11-2013
148.	M/s Adhunik Cements Ltd	Limestone Mining Block-IV	Umsoo Mootang, Thangskai Village in East Jaintia Hills District	07-11-2013
149.	M/s Green Power Solutions	Diesel & Gas Based Electric Generators (D.G.Sets)	8th Mile Baridua, Ri-Bhoi District	06-11-2013



150.	M/s Shillong Ispat & Rolling Mill	Mild Steel Ingot manufacturing unit	13th Mile, Tamulkuchi, Ri-Bhoi District	18-11-2013
151.	M/s Honsen Lyngdoh Stone Crusher	160 TPD Stone Crusher	Mawiong Rim, East Khasi Hills District	05-11-2013
152.	M/s Cement Manufacturing Company Ltd	4.70 Ha. KHUB-II Limestone Mining	Lumshnong, East Jaintia Hills District	25-11-2013
153.	M/s Saumya Minig Pvt Ltd	Residential Colony	Nongtra Mines, Shella, East Khasi Hills District	06-12-2013
154.	M/s Bharti Infratel Ltd	D.G. Set	(i) Samanda (ii) Kosichora (Bajengdoba)	27-11-2013
155.	M/s Bharti Infratel Ltd	D.G. Set	(i) Bonepa Atilla (ii) Nehru Ading, Tura (iii) Dakopgiri (iv) Walbakgre (v) Romba Adingre	28-11-2013
156.	M/s Joe Auto Engineering Works	Automobile Workshop	Kench's Trace, Shillong, East Khasi Hills District	28-11-2013
157.	M/s Gregory Kharsati Lime Kiln	Lime Kiln	Umstew, Laitryngew, East Khasi Hills District	27-11-2013
158.	M/s Godrej Consumer Products Ltd	Hot Water Generator	15th Mile, Byrnihat, Ri-Bhoi District	28-11-2013
159.	M/s Broming Industries	Water Proofing Compound & Cement Adhesive Unit	Norbong, Byrnihat, Ri-Bhoi District	09-01-2014
160.	M/s JUD Cements Ltd	4.76 Limestone Mine	Wahiajer, Narpuh Elaka, East Jaintia Hills District	09-01-2014
161.	M/s Suruchi Restaurant	Restaurant	Jail Road (MTC Building), Shillong, East Khasi Hills District	09-01-2014
162.	M/s Meghalaya Cements Ltd	10 MW Coal Based Captive Power Plant	Thangskai, East Jaintia Hills District	14-01-2014
163.	M/s Adhunik Cements Ltd	1.75 MTPA Cement Manufacturing Unit alongwith 25 MW Captive Power Plant	Mootang Village, Jaintia Hills District	14-01-2014
164.	M/s Shylla Auto Engineering	Automobile Repairing Unit	Lad Mukhla, Moopyllait, West Jaintia Hills District	14-01-2014
165.	M/s Adhunik Cements Ltd	1500 KVA DG Sets	Mootang, Thangskai, Jaintia Hills District	23-01-2014



166.	M/s T.S Shrieh Lime Kiln	Lime Kiln	Cherrapunjee, East Khasi Hills District	23-01-2014
167.	M/s ITD Cementation India Ltd	320 & 125 KVA DG Set	Norbong, Byrnihat, Ri-Bhoi District	24-01-2014
168.	M/s Bharti Infratel Ltd	D.G. Set	(i) Thadmuthlong (ii) Rymbai (Skhenshynriah) (iii) Sahsniang (iv) Lumshnong (v) Amlarem (vi) Borato (vii) Sohmynting (viii) Mootyrchiah (ix) Ialong Tharu (x) Tuber KmaiJaintia Hills District	27-01-2014
169.	M/s Pawan Castings (Meghalaya) (P) Ltd	Mild Steel Ingot Manufacturing Unit	Harlibagan, Byrnihat, Ri-Bhoi District	28-01-2014
170.	M/s Shillong Ispat & Rolling Mill	Re Rolling Mill	13th Mile, Tamulkuchi, Ri-Bhoi District	05-02-2014
171.	M/s Anabond Ltd	Anaerobic Adhesive & Sealant Industry	Khanapara, Ri-Bhoi District	05-02-2014
172.	M/s B.S. Stone Crusher	Stone Crusher	Mawkasiang, Mawdiangdiang, East Khasi Hills District	07-02-2014
173.	M/s Umadutt Industries	Polyurethane Foam & Foam Products Manufacturing Unit	Amjok, Byrnihat, Ri-Bhoi District	12-02-2014
174.	M/s Lafarge Umiam Mining (P) Ltd	1250 KVA DG Sets	Nongtra, East Khasi Hills District	17-02-2014
175.	M/s Dyna Roof Pvt Ltd	(i) Colour Coated Profile Sheet (ii) Corrugation Iron Sheet and Ridging Manufacturing unit	10th Mile, Mawsmi, Ri-Bhoi District	18-02-2014
176.	M/s Hindustan CoCa Cola Beverages (P) Ltd	D.G. Sets	Rangsakona, Byrnihat, Ri-Bhoi District	19-02-2014
177.	M/s Servell Enterprise	Automobile Workshop	Jingkieng, Nongrim Hills, Shillong, East Khasi Hills District	19-02-2014
178.	M/s Servicing Centre	Servicing Unit	Jingkieng, Nongrim Hills, Shillong, East Khasi Hills District	19-02-2014



179.	M/s Star Cement Meghalaya Ltd	1.75 MTPA Clinker Manufacturing Unit	Lumshnong Village, Jaintia Hills District	26-02-2014
180.	M/s Deep Industries	Stone Crusher	Wakkugre, West Garo Hills District	28-02-2014
181.	M/s Good Luck Coal Export-I	Stone Crushing Unit	Berjhora, West Garo Hills District	28-02-2014
182.	M/s Marwet Bottling Industries	IMFL Bottling Plant	Them Marwet, Ri-Bhoi District	03-03-2014
183.	M/s K.L Industries	Food Mill Unit	Baridua, Ri-Bhoi District	17-02-2014
184.	M/s M.N Saw-cum-Veneer Mills (Pvt) Ltd	Sawn Timber, Veneer	Umiam Industrial Area, Ri-Bhoi District	06-03-2014
185.	M/s Good Luck Coal Export-II	Graded Stone Chips	Berjhora, West Garo Hills District	06-03-2014
186.	M/s Aumz Industries	Sawn Timber Waste Grinding Unit	20th Mile, Paham Mawlein, Ri-Bhoi District	06-03-2014
187.	M/s Meghalaya Power Generation Corporation Ltd	Stage-I & Stage-III Power Stations	Ri-Bhoi District	09-01-2014
188.	M/s City Motor Works	Automobile Workshop	Kench's Trace, Shillong, East Khasi Hills District	06-03-2014
189.	M/s Meghalaya Minerals & Mines Ltd	Limestone Crushing Unit	Lumshnong, East Jaintia Hills District	10-03-2014
190.	M/s N.E.I.G.R.I.H.M.S	Bio-Medical Waste Incinerator	Mawdiangdiang, Shillong, East Khasi Hills District	11-03-2014
191.	M/s Adhunik Cements Ltd	Limestone Mining Block-IV	Thangskai Village, East Jaintia Hills District	11-03-2014
192.	M/s ATC India Tower Corporation Pvt Ltd	DG Set	Thapralda, West Garo Hills District	12-03-2014
193.	M/s Good Luck Coal Export-II	25 TPD Stone Crushing Unit	Berjhora, West Garo Hills District	11-03-2014
194.	M/s F.W. Ferrotech (P) Ltd	M.s Ingot & Re-rolling Mill Unit	EPIP, Byrnihat, Ri-Bhoi District	31-03-2014
195.	M/s Meghalaya Energy Foods	Food Processing Unit	9th Mile, Baridua, Ri-Bhoi District	12-03-2014
196.	M/s Adhunik Cements Ltd	Limestone Mining Block-II	Thangskai Village, East Jaintia Hills District	12-03-2014
197.	M/s T.G. Industries	Food Processing (rice Flakes Making Unit)	9th Mile, Baridua, Ri-Bhoi District	20-03-2014





198.	M/s S.J Bakery & Confectionery	Bakery & Confectionery	Rynjah, Shillong, EKH	20-03-2014
199.	M/s H.K Loungani & Co	Wastewater Treatment System alongwith aHotel having 21 Room & a Restaurant	Kachari Road, Shillong, EKH	20-03-2014
200.	M/s Megha Technical & Engineers (P) Ltd	1500 KVA DG Sets (6) Nos	Lumshnong, East Jaintia Hills District	20-03-2014
201.	M/s Megha Cashews (P) Ltd	Cashewnut Processing Unit	EPIP, Byrnihat, Ri-Bhoi District	25-03-2014
202.	M/s Mega Salt	Salt Packing Unit	Umiam Industrial Area, Ri-Bhoi District	25-03-2014
203.	M/s Nezone Pipes & Structures	M.s Black & G.I Pipe, M.S. Sole Structures	New Industrial Area at Lower Balian, Byrnihat, Ri-Bhoi District	25-03-2014
204.	M/s Bharti Infratel Ltd	DG Sets 15000 KVA DG Sets 4 Nos	(i) Mawlengren (ii) Mawrok (iii) Mawten (iv) Nongkasen	26-03-2014
205.	M/s Nezone Industries	M.S Tubes (Black Pipes) @ 25000 MT/Annum & Galvanised Pipes @ 25000 MT/Annum	EPIP, Byrnihat, Ri-Bhoi District	27-03-2014
206.	M/s Cement Manufacturing Company Ltd	Limestone Mining	Lumshnong, East Jaintia Hills District	28-03-2014
207.	M/s Shyam Foods	Bakery Unit	Killing, Ri-Bhoi District	28-03-2014