



BRIEFING ON THE 8TH SARAWAK CHIEF MINISTER'S ENVIRONMENTAL AWARD (CMEA) 2017/2018

by

Professor Dr. Lau Seng
Chairman of the Technical Committee

And

Panel Of Judges

19th April 2018, Waterfront Hotel, Kuching



BACKGROUND

The main objectives of the CMEA are to:

- 1) Provide organizations with the opportunity of an independent evaluation of their environmental commitment;
- 2) Stimulate business and industry initiatives in assuming a proactive role in environmental protection;
- 3) Recognize the achievements of participating organizations for other similar organizations to emulate; and
- 4) Inculcate and reinforce the concept and practice of 3Rs, that is, Reduce, Reuse and Recycle, as a way of life towards a Green Mother Earth in line with the concept of “Think Globally, Act Locally”



BACKGROUND (cont.)

The specific objectives of the CMEA are:

- I. To promote environmental awareness to the private and public institutions in Sarawak;
- II. To reinforce the concept of environmental protection and conservation is everyone's business;
- III. To encourage the practice of environmental management at all levels of society in Sarawak; and
- IV. To acknowledge those who have contributed significantly in environmental protection and conservation.



BACKGROUND (cont.)

The Organizer of 8th CMEA 2017/2018:

- ❖ Natural Resources and Environment Board (NREB) Sarawak
- ❖ Sarawak Business Federation (SBF)

In collaboration with:

- ▶ Chief Minister's Department
- ▶ Ministry of Urban Development and Natural Resources
- ▶ Ministry of Local Government and Housing
- ▶ Ministry of Industrial and Entrepreneurs Development
- ▶ Department of Environment
- ▶ Malaysian Information Department, Sarawak
- ▶ Malaysian Broadcasting Department, Sarawak
- ▶ Universiti Malaysia Sarawak
- ▶ Universiti Teknologi Mara Sarawak
- ▶ Department of Safety and Health, Sarawak
- ▶ Sarawak Rivers Board
- ▶ Ernst & Young



SCHEDULE FOR 8TH CMEA 2017/2018

ACTIVITIES	DATE
DEADLINE for submission of Stage 1	31 July, 2018
Stage 1 -Environmental Performance Reports Assessment	August, 2018
Stage 2 - Site Visits, Evaluation and Final Assessment of Shortlisted Participants	September, 2018
Completion of judging	October, 2018
Award Presentation Ceremony	November, 2018



THEME FOR the 8th CMEA 2018

“Nurturing Environmental Stewardship”

- ✓ Build up the sense of ownership towards the environment.
- ✓ Protecting and conserving our environment need constant encouragement
- ✓ Stewardship refers to being the responsible caretaker of the environment through careful management such as recycling, conservation, regeneration, and restoration.

Organizations which subscribe to “environmental stewardship” will have systems in place that will enable them to:

- use resources efficiently;
- reduce waste and minimize on the negative impacts on the environment;
- translate reduced consumption and waste into financial savings; and
- provide a healthy, more efficient and effective working environment.



AWARD CATEGORIES

1) Industries:

❖ Large Enterprise:

- i. **Manufacturing, Manufacturing-Related Services and Agro-Based Industries** - Enterprise with full time employees exceeding 150 staffs and with annual sales turnover exceeding RM25 million (including petroleum products)
- ii. **Services, Primary Agriculture and Information & Communication Technology (ICT)** - Enterprise with full time employees exceeding 50 staffs and with annual sales turnover exceeding RM5 million.

The 5 main economic sectors are:

- a) Agriculture & Forestry
- b) Mining & Resource Extraction, including Oil & Gas
- c) Manufacturing
- d) Construction e.g. Realty, Infrastructure
- e) Services e.g. Port, Telecommunication, Electricity supply, wastes disposal, water supply.



AWARD CATEGORIES (cont.)

1) Industries:

❖ Medium Industries:

- i. **Manufacturing, Manufacturing-Related Services and Agro-Based Industries** - Enterprise with full-time employees of between 51 and 150 staffs or with annual sales turnover of between RM10 million and RM25 million
- ii. **Services, Primary Agriculture and Information & Communication Technology (ICT)** - Enterprise with full-time employees of between 20 and 50 staffs or with annual sales turnover of between RM1 million and RM5 million.

The 5 main economic sectors are:

- a) Agriculture & Forestry
- b) Mining & Resource Extraction
- c) Manufacturing
- d) Construction e.g. Realty, Infrastructure
- e) Services e.g. Golf Course, Waste Management, Hotel



AWARD CATEGORIES (cont.)

1) Industries:

❖ Small Industries:

- i. **Manufacturing, Manufacturing-Related Services and Agro-Based Industries** - Companies with full-time employees of between 5 and 50 or with annual sales turnover of between RM250,000 and less than RM10 million.
- ii. **Services, Primary Agriculture and Information & Communication Technology (ICT)** - Enterprise with full-time employees of between 5 and 19 or with annual sales turnover of between RM200,000 and less than RM1 million.

The 5 main economic sectors:

- a) Agriculture & Forestry
- b) Mining & Resource Extraction
- c) Manufacturing
- d) Construction e.g. Realty, Infrastructure
- e) Services e.g. Petrol Station, Restaurant & Eateries, Retailing Commercial Mall/Supermarket



AWARD CATEGORIES (cont.)

2) Government Agencies:

➤ Local Authorities:

- i. City and municipal councils
- ii. District councils

3) Individual / Journalist (Environmental Stewardship)



CRITERIA OF JUDGING

Based on the 5 principles of the ISO 14000 Quality Standard:

- a) **COMMITMENT AND POLICY**
 - i. Company's environmental policy
- b) **PLANNING**
 - i. Environmental aspects & Objectives & Targets
 - ii. Legal and other requirements
 - iii. Environmental management programmes
- c) **IMPLEMENTATION OF ENVIRONMENTAL MANAGEMENT PLAN (EMP)**
 - i. Structure, responsibilities & resources
 - ii. Training, awareness and competence
 - iii. Emergency preparedness and response
- d) **MEASUREMENTS AND EVALUATION**
 - i. Monitoring, measurement & appraisal of the environmental programmes
- e) **REVIEW AND IMPROVEMENT**
 - i. Management review



CRITERIA OF JUDGING (cont.)

MS ISO 14000 ?

An organization might not be necessary to be MS ISO 14000 certified to participate in the award.

The questionnaires and reporting format had been designed in such manner to encourage any individual or organization to embark towards better environmental practices and management (based on the principles of the MS ISO 14000), and also to improve understanding of the EMS and other requirements.



ASSESSMENT OF AWARD ENTRIES

The assessment is carried out in two stages:

STAGE 1:

- 1) Submission of Self-evaluated Environmental Performance Report by the participating organizations.
- 2) The reports are evaluated against a set of criteria drawn up by the Technical Committee cum Panel of Judges.

STAGE 2:

- 1) The Technical Committee cum Panel of Judges will visit the sites of short-listed participants to verify information provided in the Report and to obtain first-hand understanding of the implementation of the company's environmental management performance and commitment.
- 2) They will assess the accuracy of the written submission (provided at Stage 1) by inspecting the site and conducting interviews with random personnel.



ASSESSMENT OF AWARD ENTRIES

Format for Self-Evaluated Environmental Performance Report:

1. Title Page
2. Table of Contents
3. Executive Summary
4. Organization's Profile
5. Environmental Policy
6. Environmental Management Plan
7. Environmental Programmes Implementation, Monitoring and Performance Appraisal
8. Environmental Review and Continuous Improvement
9. Conclusion
10. Appendices



Title Page

Title Page: Should contain:

- ▶ Name of the organization,
- ▶ Address of the organization,
- ▶ Category it is contesting in
- ▶ Date of submission (Month & Year)





Executive Summary

The 2002 Site Environmental Report (SER) is prepared in accordance with DOE Order 231.1, "Environment, Safety and Health Reporting," and summarizes the status of Brookhaven National Laboratory's (BNL) environmental programs and performance and restoration efforts, as well as any impacts, both past and present, that Laboratory operations have had on the environment. The document is intended to be technical in nature. A summary of the report is also prepared as a separate document to provide a general overview and includes a CD version of the full report.

Operated by Brookhaven Science Associates (BSA) for the Department of Energy (DOE), BNL manages its world-class scientific research with particular sensitivity to environmental and community issues. BNL's motto, "Exploring Life's Mysteries...Protecting its Future," reflects BNL's management philosophy to fully integrate environmental stewardship into all facets of its missions, with a healthy balance between science and the environment.

ENVIRONMENTAL MANAGEMENT SYSTEM

BSA takes environmental stewardship very seriously. As part of their commitment to environmentally responsible operations, an Environmental Management System (EMS) was established at BNL that ensures environmental issues are systematically identified, controlled, and monitored. It also provides mechanisms for responding to changing environmental conditions and requirements, reporting on environmental performance, and reinforcing continual environmental improvement.

The Laboratory's EMS was designed to meet the rigorous requirements of the globally recognized International Organization for Standardization (ISO) 14001 Environmental Management Standard, with additional emphasis on

compliance, pollution prevention, and community involvement. BNL was the first U.S. DOE Office of Science Laboratory to become officially registered to the ISO 14001 standard, in July 2001. Annual audits conducted by NSF-International Strategic Registrations, LTD, an accredited ISO 14001 registrar, are required to maintain the registration. In 2002, an EMS Surveillance Audit determined that BNL remains in conformance with the ISO 14001 Standard. The audit identified one major non-conformance, one opportunity for improvement, and strong evidence of continual improvement, including 12 noteworthy practices.

ENVIRONMENTAL MANAGEMENT PROGRAMS

BNL's Environmental Management Program consists of several Laboratory-wide and facility-specific environmental programs. The cornerstone of BNL's programs for environmental management is its Environmental Stewardship Policy, which states the Laboratory's intentions and principles regarding overall environmental management and provides a framework for planning and action. The stewardship policy is posted throughout the Laboratory and on the BNL website and is included in all training programs for new employees.

BNL has an extensive program in place to ensure full compliance with all applicable environmental regulatory requirements and permits. BNL must comply with more than 50 sets of federal, state, and local regulations, as well as numerous site-specific permits. The Laboratory is committed to achieving and maintaining full compliance with these environmental requirements and agreements. In 2002, the New York State Department of Environmental Conservation (NYSDEC) granted BNL's request to modify its State Pollutant Discharge Elimination System (SPDES) permit, which reduced monitoring at

Table of Contents

Contains the list of main topics in the submission report

Executive Summary:

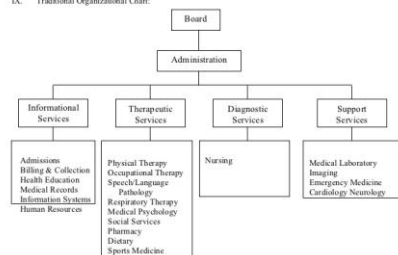
- ▶ A summary of the organization's commitment toward the environment which include but not limited to:
- ▶ Overall environmental management system
- ▶ The annual consumptions of natural resources (air, water, land, flora, fauna & minerals)
- ▶ The annual amount and type of wastes generated by the organization
- ▶ The actions taken to mitigate the resource consumptions and the wastes produced
- ▶ The significant achievements made by the organization towards environmental sustainability



Organization's Profile

- ▶ This chapter should contain but not limited to the following information:
- ▶ The organizational setup including the contact person and his/her designation
- ▶ The description of the organization's core business
- ▶ The organization's core values
- ▶ The resources and their quantity used by the organization (air, water, land, flora, fauna & minerals)
- ▶ The annual yields of the organization's products (tonnage of products and gross value of services)
- ▶ The annual type and quantity of wastes generated (Type: recyclable, hazardous/scheduled, non-reusable etc.; Quantity: tones/year)
- ▶ The wastes disposal methods used by the organization (% recycled, % landfill, % release to the environment, % treated and discharged, etc.)
- ▶ Recognitions received from third parties on the organization's contributions towards the environment

- b. many nursing specialties include: nurse practitioner, labor and delivery nurse, neonatal nurse, emergency room nurse, nurse midwife, surgical nurse, nurse anesthetist
- c. In some facilities, *Nursing* is a service in and of itself.
- VII. **Diagnostic Services** – determines cause(s) of illness or injury
- A. includes the following departments:
1. Medical Laboratory (MT) – studies body tissues to determine abnormalities
 2. Imaging
 - a. image body parts to determine lesions and abnormalities
 - b. includes the following: Diagnostic Radiology, MRI, CT, Ultra Sound
 3. Emergency Medicine – provides emergency diagnoses and treatment
- VIII. **Support Services** – provides support to entire hospital
- A. includes the following departments:
1. Central Supply
 - a. in charge of ordering, receiving, stocking and distributing all equipment and supplies used by healthcare facility
 - b. sterilize instruments or supplies
 - c. clean and maintain hospital linen and patient gowns
 2. Biomedical Technology
 - a. design and build biomedical equipment (engineers)
 - b. diagnose and repair defective equipment (biomedical technicians)
 - c. provide preventative maintenance to all hospital equipment (biomedical technicians)
 - d. pilot use of medical equipment to other hospital employees (biomedical technicians)
 3. Housekeeping and Maintenance
 - a. maintain safe clean environment
 - b. cleaners, electricians, carpenters, gardeners
- IX. Traditional Organizational Chart:



CHAPTER - 2

COMPANY PROFILE

2.1 ORGANIZATION OVERVIEW

"Success is the journey not the Destination":

If we look for examples to prove this quote then we can find many but there is none like that of M/s. Silk city Securities. Silk city Securities was established in the year 2000 and it is a partnership firm registered under the registrar of firm, Odisha and having its own head office at park street, Berhampur. The founder promoters are existing partners.

"Success sutras of Silk city Securities":

The success story of Silk city Securities is driven by 8 success sutras adopted by it namely Trust, Integrity, Dedication, Commitment, Enterprise, Hard work and team play, Learning and Innovation, Empathy and Humility. These are the values that bind success with Silk city Securities.

"Vision of Silk city Securities":

To achieve and sustain market leadership, Silk city Securities aims for complete customer satisfaction, by combining its human and technological resources, to provide world class quality services. In the process Silk city Securities strives to meet and exceed customer's satisfaction and set industry standards.

"Mission statement":

"Our mission is to be a leading and preferred service provider to our customers and we aim to achieve this leadership position by building and innovative, enterprising and technology driven organization which will set the highest standards of service and business ethics."



ORGANISATION NAME & LOGO

ISO 14001:2015
Environmental Policy

(Briefly describe your company profile, process and scope of your Environmental Management System)

The **ORGANISATION NAME** is committed to protecting the local and global environment of the Earth. To minimize environmental impacts concerning our activities, products and services, we shall:-

- Comply with applicable legal requirements and other requirements to which the Company subscribes which relate to its environmental aspects.
- To include the consideration of environmental issues in all business strategies and initiatives.
- **ORGANISATION NAME** senior management are committed to ensure that protection of the environment is firmly embedded in both the company's and all employees culture and will endeavour to influence its suppliers and customers in a similar strategic environmental manner
- Prevent pollution, reduce waste and minimise the consumption of resources.
- Consider the wider global impact of all our activities including those of our suppliers customers and other stakeholders
- Educate, train and motivate employees to carry out tasks in an environmentally responsible manner and ensure that a continuous professional development strategy remains core to our business goals
- Encourage environmental protection among suppliers and subcontractors.
- To investigate the feasibility of influencing its suppliers, customers and third parties with consideration to life cycle impacts of their aspects, and activities
- Encourage and enhance biodiversity and ecology

The Company is committed to continual improvement of environmental performance. This Policy will be communicated to all staff, contractors and suppliers, and be available to the public through selected media.

Endorsed by

(Signature)

(Name and Title of Top Management)

Date:

EMS-CP-01

Environmental Policy

- ▶ In this chapter, it is expected that organization practicing environmental management to declare its **commitment by establishing its organization's Environmental Policy**. The policy should display among others the following:
- ▶ The organization's core value towards the environment
- ▶ The areas of the environment that the organization vow to protect
- ▶ The approaches or strategies that the organization will adopt to fulfill its vow on the environment
- ▶ The policy should be endorsed by the Top Management of the organization



Environmental Management Plan

- ▶ The stages involved in the planning include:
- ▶ Identifying environmental aspects. The adverse impacts can be affecting the air, water, land & social environments.
- ▶ **Rank these environmental aspects** according to its severity or urgency to be addressed
- ▶ Identify its **environmental objectives** (both immediate and long-term) and then set its specifics **environmental targets** for their appropriate periods. These target will be used as the organization's **environmental Key Performance Indicators**
- ▶ Develop its activities (**environmental programmes/projects**) to achieve the set objectives and targets. *(All approved (by the organization) **environmental programme/project proposals** should be presented in this chapter or as appendices. Under each environmental programme/project, there should be the project team, distribution of tasks and resource allocations).*

ENVIRONMENTAL ASPECTS AND IMPACTS RANKING

Green Tier requires that an organization's Environmental Management System (EMS) (also known as a Sustainable Management System (SMS)) to Sustainable Green Privising Partnership (SGP) participants have a process for setting environmental objectives and an action plan to meet those objectives. The following worksheets assist in evaluating the significance of identified aspects, a method helpful for ranking the aspects in order to set environmental objectives. The objectives established may then be used for the Continuous Improvement Project (CIP) under the SGP, which in turn may serve as an action plan under Green Tier.

WORKSHEET 1

For each aspect and impact, score each prioritization criterion on a scale from 1 to 5. Five (5) indicates the criterion is very important or relevant to that aspect (for example, the aspect is strictly regulated or highly hazardous) and 1 indicates the criterion is relatively unimportant. Add sheets as necessary to rank all aspects.

Activity/ Product/ Service	Environmental Aspect/ Impact	Prioritization					Cost 1=High 5=Low	Score (Sum of scores)
		Regulatory / Legal concerns	Environmental consequence	Health & Safety consequence	Likelihood of occurrence	Frequency of occurrence		
1.								
2.								
3.								
4.								
5.								
6.								

NOTE: Many use 'volume' and 'toxicity' as criteria, particularly in ranking waste streams. These criteria may also be considered under "Environmental consequence" or "Health & Safety consequence."

A Simple Matrix Approach in which everything that is regulated is significant yet the numerical ranking reflects gradations in significance.

Aspect	Regulated	Volume	Toxicity	Health Impact	Nuisance	Cost 1=High 5=Low	Total	Significant? (aspect considered significant if score is > 12)

KEY: 5 = High 3 = Medium 1 = Low 0 = Not applicable



Environmental Programmes Implementation, Monitoring and Performance Appraisal



Getting Started

- ▶ In this chapter, the implementation of **EACH environmental programmes/projects** should be reported in such a way that it provides the following information:
 - ▶ The commencement of the project as approved by the management (e.g. present the letter of approval)
 - ▶ Records the milestones of the project (e.g. photograph, commissioning of equipment, press statement/newspaper cuttings, etc.)
 - ▶ The monitoring records for the projects and appraisal against its set KPIs
 - ▶ The % of KPIs achieved by each project implemented (provide evident)



Environmental Review and Continual Improvement

- ▶ The element of continuous improvement should be clearly demonstrated by the organization by providing the following:
 - ▶ Appraisal of each environmental programme/project by the Management Review Committee (Chaired by the CEO of the organization).
 - ▶ The decisions made by the review committee on each of the environmental programme/project. (attach the relevant extracts of minutes of meetings)
 - ▶ The follow-up action on the Management Review Committee's.





Conclusion

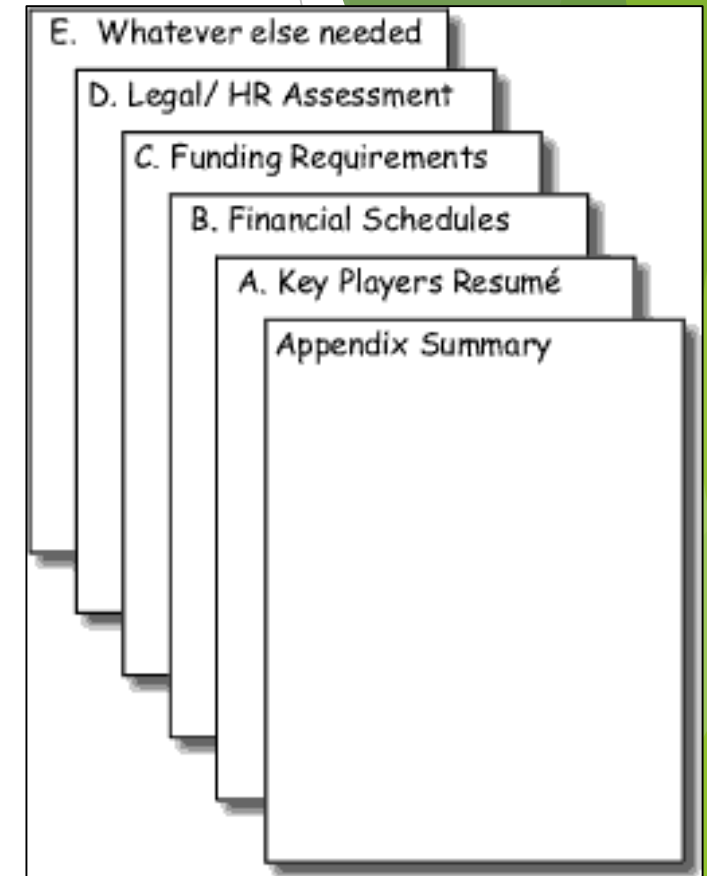
- ▶ In “Conclusion”, the organization should:
 - ▶ conclude on the overall achievements of the organization and how it has helped in protecting the environment.
 - ▶ This is a self evaluation by the organization and commenting on whether the organization has done enough for the environment and what more will it embark on in the future to further enhance the sustainability of the environment.





Appendices

- ▶ **Appendices:**
 - ▶ Here, all the relevant documents, records, etc. that support the submission should be placed.
 - ▶ The documents should be clearly separated into its relevant sections for ease of reference when going through the submission report.





COMMENTS AND FEEDBACKS FROM THE PAST AWARDS

- ▶ Assistance should be provided to the potential participants to help them to answer the questionnaires/criteria and furnish the report.
- ▶ The Schedule of the assessment should be relooked and extended as the schedule was quite tight.
- ▶ Same group of assessors should be judging one particular category.
- ▶ Identified officers to handle certain category of the award so that they could explain to potential participants and provide necessary assistance to enable the participants to meet the criteria hence to complete the reporting & submit on time.
- ▶ More time should be given for the submission of the completed report.
- ▶ Some potential participants (specially from the small enterprise category) were uncertain on how to complete the form since the questions were based on the ISO 14000 (EMS) criteria.
- ▶ Few companies which participated previously (hotels and petrol stations) requested to be inform of their weaknesses so that they can improve further.



Focal Persons

1.	Agriculture	Timothy Abet ak Isik (NREB)	timohtya@nreb.gov.my / 082-319518
2.	Forestry	Manaffery Madhan (NREB)	manaf@nreb.gov.my / 082-319528
3.	Quarry & Mining (Sand, Mineral & Coal	Tsai Koh Fen (NREB)	tsaikf@nreb.gov.my / 082-449250
4.	Oil and Gas	Mohamad Zaihan Bin Lek (DOE) Abang Zaharuddin Abang Mok (DOE)	zaihan@doe.gov.my / ruddin@doe.gov.my / 082-482535
5.	Hydro Power	Penny Sumok (NREB)	pennys@nreb.gov.my / 082-311505
6.	Manufacturing	Zuhariah Binti Jon (DOE) Shirley Alik (DOE)	zuhariah@doe.gov.my / shirley@doe.gov.my / 082-482535
7.	Construction – Realty	Weety Martin (NREB)	weetym@nreb.gov.my / 082-319540
8.	– Infrastructure	Elizabeth Nyomek (NREB)	elizeben@nreb.gov.my / 082-319539
9.	Electricity & Water Supply	Rahmah Biak (NREB)	rahmahb@nreb.gov.my / 082-319526
10.	Waste Management & Recycling	Tang Hung Huong (NREB)	tanghh@nreb.gov.my / 082-319542
11.	Golf Course	Paul Bond Chamberlin (NREB)	paulfc@nreb.gov.my / 082-311531
12.	Hotel & resort	Mary Magdalen Lutok (NREB)	maryml@nreb.gov.my / 082-319534
13.	Restaurant & Eateries	Amy Wong Yiik Mee (NREB)	wongym@nreb.gov.my / 082-319504
14.	Retailing, Commercial Mall & Supermarket	Jong Chean Fuei (NREB)	jongcf@nreb.gov.my / 082-319533
15.	Local Authority	Leonard Law (MLGH)	Lawth2322@gmail.com / 082-319624
16.	Individual	Edmund MacMiller	edmundmc@nreb.gov.my / 082-319536
17.	Journalist	Jonathan Manggah	jonathmi@nreb.gov.my / 082-319506

THANK YOU



**CMEA SECRETARIAT
NATURAL RESOURCES AND ENVIRONMENT BOARD (NREB) SARAWAK
(Lembaga Sumber Asli dan Alam Sekitar Sarawak)
18th – 20th Floor, Menara Pelita,
Jalan Tun Abdul Rahman Ya'akub,
Petra Jaya,
93050 Kuching, Sarawak**

Tel: 082-447488 / 319500

Fax: 082-448254 / 312800

Email: cmea.secretariat@gmail.com

Website: www.nreb.gov.my