



Apfp - SEApeat

ASEAN Peatland Forests Project - Sustainable Management of Peatland Forests in Southeast Asia



Global Environment Centre



Raja Musa Forest Reserve Rehabilitation Programme (Monthly Tree Planting) For Year 2013

Prepared by :

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1. About Global Environment Centre



GEC is a Non-Governmental Organization (NGO) and Non-Profitable Organization (NPO). GEC was established in 1998 to work on environmental issues of global importance. The Centre is registered in Malaysia but works regionally and internationally both directly and through many partners. It supports information exchange and capacity building as well as undertakes strategic projects particularly in developing countries. It works in partnership with other like-minded agencies worldwide.

2. About Raja Musa Forest Reserve

Raja Musa Forest Reserve is located near Batang Berjuntai/Berjuntai Bestari in the northern region of the Selangor State, Together with Sungai Karang Forest Reserve, it makes up the largest peat swamp forest complex in Selangor. It is approximately 23, 000 ha. in area cover and of this 1000 ha were degraded due to illegal encroachment. These areas are in dire need of rehabilitation effort.

Unfortunately, over the past ten years more than 600 ha of the reserve has been illegally cleared and burnt for farming activities and has caused major environmental hazards such as haze. Clearing and fires have also released thousands of tons of greenhouses gases, which contribute to climate change.

Even though the degraded areas are situated within the forest reserve and falls within the jurisdiction of Forestry Department, it is an enormous task to undertake even for a government agency to rehabilitate 1000 ha of the degraded areas. Hence, collaboration between Forestry Department with NGOs and local community in this matter was deemed crucial. This happens to provide the local community with a platform to work hand in hand with the government agency and at the same time, spend more time to understand about the functions and values of peat swamp forest while planting the trees.

3. Planned Activities for Raja Musa Forest Rehabilitation Programme (Monthly based) For Year 2013

Raja Musa Forest Rehabilitation Programme is one of the important activities at Raja Musa Forest Reserve aimed at conserving the various species of peat swamp and restoring the deteriorated area to its former glory, retaining the original characteristics of the peatland forest. Peatland forest is the most important ecosystem globally for preventing global warming and Malaysia has the third largest surface area in the world made up of this type of forest.

The first objective of the rehabilitation is to stop peatland fires and haze and help prevent global warming and create forest cover which further prevents encroachment into the forest, thus reducing the risk of fire. This activity was created to provide hands-on experience on

conservation and a great opportunity to explore and to know better the importance and function of the Raja Musa Forest Reserve.

Planting site: a) Forest Compartment 99 & 100 (5 times)
b) Forest Compartment 73 (4 times)

Objective:-

- a) To instill awareness on an important conservation and preservation of the Raja Musa Forest Reserve (Peatswamp)
- b) To create an awareness regarding on the climate change and its effects to Raja Musa Forest Reserve (Peatswamp)
- c) Providing hands-on experience and creating ownership among the participants to conserve the Raja Musa Forest Reserve (Peatswamp)

3.1 Monthly Tree Planting Campaign at Raja Musa Forest Reserve

Since 2008, GEC had managed to rally more than 2,000 volunteers for the numerous tree planting events that has taken place at this site. So far more than 30,000 tree seedlings have been planted in an area covering some 60 hectares, with various stakeholders and corporate partners' support.

Raja Musa Forest Rehabilitation Programme will conducted every month (on 2nd or 3rd Saturday of the month) to rehabilitate the Raja Musa Forest Reserve.

Activity 3.1.1 : Forest rehabilitation (Planting Programme)

- I. Land preparation and marking for tree planting activities (for 1 ha)
- II. Supplying 400 saplings for Planting Programme

Field Planting, Methods and Materials

Open planting technique involved clearing of existing plants especially the Imperata cylindrica to eliminate unwanted competition and provide easy access for planting works. The clearing was done in strip of 1 m width by using parang and brushing machine. The direction of planting strip was south to north and 2 m width of existing grass was left uncut to avoid direct sunlight to the planted seedlings. The plot design by hectares (1 ha = 100m x 100m), 400 saplings will be plant at a spacing or marked 5m x 5m. Dig the planting holes of based on the poly bag prior the planting session. Then, the existing peat was used to cover up the planting holes. Basically, the same method is applied for the other planting techniques.

3.2 Raja Musa Forest Rehabilitation - Dates at Raja Musa Forest Reserve

GEC has finalised the dates and it is as follow: -

No.	Monthly Tree Planting Dates for 2013	Tree planting Venue	Calendar of Environmental Events 2013
1.	23 Feb	FC 73 Parit 6 (P6)	In conjunction with World Wetlands Day (2/2/13)
2.	23 March	FC 99 Parit 6 (P6)	In conjunction with World Forestry (21/3/13) and Water Day (22/3/13)
3.	20 April	FC 73 Tokong Cina (TC)	In conjunction with World Earth Day (22/4/12)
4.	18 May	FC 99 Parit 6 (P6)	In conjunction with World Biodiversity Day(22/5/13)
5.	22 June	FC 73 Tokong Cina (TC)	In conjunction with World Environment (5/6/13) and Oceans Day (8/6/13)
6.	6 July	FC 99 Parit 6 (P6)	In conjunction with World Population Day (11/7/13)
7.	24 Aug	FC 73 Tokong Cina (TC)	In conjunction with National Day (31/8/13)
8.	21 Sept	FC 99 Parit 6 (P6)	In conjunction with World Clean-up and International Ozone Day (16/9/13) Zero Emissions Day (21/9/13) World Water Monitoring Day (18/9/13)
9.	26 Oct	FC 73 Tokong Cina (TC)	In conjunction with World Habitat(3/10/13) and Animal Day (4/10/13) International Day of Climate Action (24/10/13)

** Note: The schedule and time table of the activities may vary or changed according to local weather conditions. As it is GEC and SFD will take the responsibility to notify the volunteers when this happens but should not be faulted for the delays or any unforeseen problems/ circumstances.*

3.1.2 Reservation Procedure for Raja Musa Forest Rehabilitation Programme

Reservation must be made at one or two month before arrival or participation with the following information or filling up participation form with the date of programme. The form can e-mail to us via e-mail or fax. Then, our representatives will take your information over the form and input your name, address, phone number, and the day and time of your participation into annual reservation calendar for this program.

4. PROPOSED PROGRAMME

This program consists of 100 volunteers (maximum). The proposed programme is as follows :-

<i>Time</i>	<i>Activity</i>
9.00 am	Arrive at Parit 6 - Raja Musa Forest Reserve <i>(walking along the parit 6 to Planting site)</i>
9.30 am	Briefing on Raja Musa Forest Reserve by GEC representative
10.00 am	Tree planting program commences
12.00 noon	Program end and freshen up
1.30 pm	Depart to Home

4.1 What to Bring

1. A backpack of personal items needs for a recreational activity, i.e. bath towel, hand towels, sunblock, toiletries, change of clothes etc.
2. Suitable clothes for recreational activities
3. Insect repellent (optional)
4. Hat / Cap
5. Socks (Important)
6. Personal medication/First Aid Kit
7. Binoculars (optional)
8. Camera and plastic casing (optional)
9. Sandals /trainers/ walking shoes and wellington boots
10. Own food and drinks

4.2 Do's & Don'ts

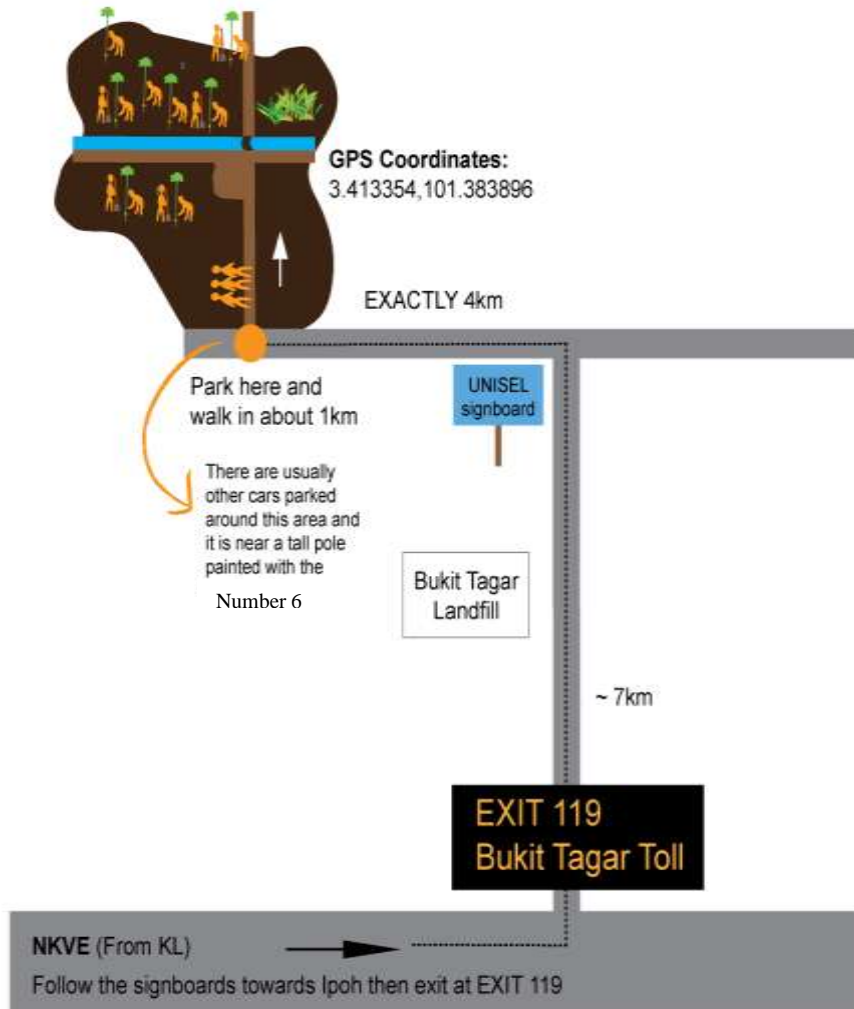
1. All plants and wildlife are protected. Please do not collect, harass, damage, injure or kill them.
2. Leave no graffiti.
3. Do not collect specimens. Plants and wildlife in the forest reserve belong in their natural habitat.
4. Do not litter. Bring out your rubbish with you and dispose it in proper bins provided.
5. Please keep noise at a low level. No radios, PA systems and musical instruments, please.
6. Do not feed wildlife in forest reserve
7. Do not start fires. Fires when out of control will cause untold damage, even camp fires.
8. Please inform the officers if you find anyone trapping, logging, open burning, damaging plants or injuring wildlife on park property.
9. Take nothing but photographs and leave nothing but footprints. Enjoy your activity.

4.3 Peringatan / Reminder:

Keselamatan diri dan harta peserta semasa berada di Hutan Simpan Raja Musa ini adalah tanggungjawab sendiri. Global Environment Centre tidak akan bertanggungjawab di atas sebarang kehilangan, kerosakan, kecederaan, kemalangan dan / atau kematian ke atas mana-mana orang dan / atau harta benda atas apa jua sebab.

Participants enter the Raja Musa Forest Reserve at their own risk. Global Environment Centre is not responsible for any loss, damage, injury and / or death to person (s) and / or property (ies) however caused.

4.4 How to get to Raja Musa Forest Reserve (*Forest Compartment 99 & 100*)



PARTICIPATION FORM

By submission of this form, please complete this form together with clear information and submit to us before (26 October 2012). (*Incomplete form will not be entertained*)

Organisation Name: _____

Address: _____

Office Tel or H/P: _____

Fax: _____

Email: _____

Contact person: _____

Designation: _____

Please attached the participants name list with I/C Number, address, contact number and necessary information with this form.

Raja Musa Forest Rehabilitation Programme at Raja Musa Forest Reserve for year 2012 (per session 100 participants only).

Activity Date: Please tick (X) in the appropriate space / s below :

- [] 23 Feb (P6) [] 23 March (P6) [] 20 April (TC) [] 18 May (P6)
[] 22 June (TC) [] 6 July (P6) [] 24 Aug (TC) [] 21 Sept (P6)
[] 26 Oct (TC)

Signature : _____ Date : _____

Please send the participation form to us via e-mail or fax at:

Mr. Hyrul / Ms. Yati
Global Environment Centre
2nd Floor, Wisma Hing
78, Jalan SS2/72
47300 Petaling Jaya, Selangor DE
MALAYSIA
Phone: + 603 7957 2007
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**RAJA MUSA FOREST REHABILITATION PROGRAMME AT RAJA MUSA FOREST
RESERVE
INDEMNITY FORM**

Declaration (to be signed by the Nominee)

I certify that the statements made by me in this form are true and correct to the best of my knowledge. I agree:

- That I am fit and well to participate in the program.
- To follow the conference and abide by the rules and regulations of the workshop.
- That the organizers are not liable for any accidents or mishappenings during the conference. However, I understand that the organizers will take necessary precaution in ensuring the safety of all participants at all times.

_____ (Signature)
(Name: _____)

(Date: _____)

For Official Use Only:

Received By : _____

Date : _____

Receipt No : _____