WCP-SEA-MALAYSIA WP-5: Stage II
Community Flood-Proofing And Adaptation For Climate Resilience

PROJECT REPORT

PROGRAMME: FLOOD PREPAREDNESS TRAINING FOR KELANTAN COMMUNITIES (DISTRICT PASIR MAS), 2016

Date: 29th August 2016 (Monday)
Time: 8.30 am – 5.00 pm
Venue: Dewan Utama Apam Putra, Majlis Daerah Pasir Mas, Kelantan
WCP-SEA-MALAYSIA WP-5: STAGE II

Community Flood – Proofing and adaptation for climate resilience.

Programme: Flood preparedness training for Kelantan communities.

SUMMARY REPORT

Malaysian Water Partnership (MyWP) under the Global World Partnership (GWP) aims to create a platform and pathway to the community to be flood-proofing and adapt for climate resilience. Global Environment Centre (GEC) entrusted as a working partner to implement this training. Series of stakeholder consultations and meetings held in conjunction with this motive to identify and achieve the aim through the targeted community.

The preparatory meetings were carried out on 23rd May 2016 and 16th August 2016 with Department of Irrigation and Drainage (DID) Pasir Mas and other related departments such as BOMBA, District and Land Office, Social Welfare Department, District Health Office and DID Kelantan. The committee agreed to conduct the programme on August 29th 2016 with the support of various agencies and a total of five (5) papers from GEC/MyWP, DID Pasir Mas, National Disaster Management Agency (NADMA), District Health Office and Social Welfare Department together with hands-on and field training.

In total 78 representatives from 15 villages within the vicinity of Pasir Mas area participated in the one (1) day flood preparedness-training programme. The training focused on Pasir Mas local communities, which were located within the Sg Golok river basin due to the frequent flood incident almost every year. The majorities of the participants that attended the training were village heads and local residents as well as the representative of local authorities and government agencies. The programme focused on the early preparation for flood especially on the communities’ role during flood event, grab bag and 72H Kit preparation as well as potable water management. In addition, the communities also exposed to flood ‘Town-watching’ training, which captured the communities’ interest.
INTRODUCTION

In Malaysia, flood is an issue affecting most states, and communities need to know and learn to be resilient against the expected more frequent and higher intensity floods resulting from climate change. Via the successful reception of the community, awareness programme on Integrated Flood Management (IFM) conducted in 2012 through Malaysian Water Partnership (MyWP) and MyCDNet, community awareness and flood-proofing facilitation module for IFM developed for implementation and dissemination for all stakeholders.

During the Community Flood-Proofing and Adaptation for Climate Resilience seminar back in December 2014, the participants understood that as the local community they play a major role in dealing with issues related to flood and are willing to play a role in order to address the pertaining issues related with flood and water source management. As the significant outcome of the seminar, a one (1) day ‘Training of Trainers’ (ToT) was held on 13th June 2015 as a pilot project to test the effectiveness of the module. A follow-up activities focused on Town-Watching training with selected community was held on 8th of November 2015 with the support of MPK, DID Malaysia and UPM. As the outcome of the town watching, RIVER Ranger Kg Sg Pinang Klang developed a Flood Hazard Route Map as in ANNEX 1, which focused within the vicinity of Kg Sg Pinang Bandar, Mukim Kapar, Klang.

As a follow up initiatives of the pilot project carried out in Klang, two (2) states selected for outreach at a wider community especially among those who are frequently affected with the annual flood disaster. The community of Sg Isap, Kuantan was one of the badly affected communities by flood in Pahang. Besides that, the communities of Pasir Mas district was affected due to monsoon season in Kelantan. Both the sites were chosen for the outreach and implementation programme in 2016.

This report will be focusing on the Flood Preparedness Training for Kelantan communities (District Pasir Mas) which was conducted on 29th August 2016 at Dewan Utama Apam Putra, Majlis Daerah Pasir Mas, Kelantan with the support of DID Kelantan & Pasir Mas.

OBJECTIVE

The main objective of the programme is to empower selected communities in preparedness for flood disaster through Flood Hazarded ‘Town-watching’ training as well as management of water resources, emergency plan and preparedness for flood using Grab Bag and 72H Kit.
TARGET OUTPUT

To provide appropriate skills and increased knowledge and awareness to selected local communities, in addition to facilitate on how to deal with flood risks and adoption of new skills for people to prevent and manage the flood problem by developing their localize flood hazards map.

WORKING PROJECT PARTNERS

i. Malaysia Water Partnership (MyWP)
ii. Global Environment Centre (GEC)
iii. Department of Irrigation and Drainage Malaysia (DID)
iv. Department of Irrigation and Drainage Kelantand and Pasir Mas

STAKEHOLDER CONSULTATION

GEC officer together with DID Pasir Mas officers conducted the first site recee on 8th May 2016 and the following site visit was conducted on 22nd of May 2016 to selected villages as Kampung Siram, Kampung Lanchang, Kampung Meranti within the Sg Golok river basin. First official meeting was conducted by GEC with DID Pasir Mas, Social Welfare Department (JKM) Pasir Mas, Public Works Department (JKR) Pasir Mas and District and Land Office Pasir Mas on 23rd May 2016 at DID Pasir Mas. The meeting, which was officiated by the District Engineer of DID Pasir Mas, focuses on community preparedness concept, which GEC presented the background and the details information on the proposed training as well as on DID Pasir Mas and the local authorities’ roles. The 2nd preparation meeting was carried out on 16th August 2016 involving GEC, DID Pasir Mas and local authorities as well as all the speakers. The Minutes of Meetings of both meeting attached in ANNEX 2.

TRAINING METHODOLOGY

Local communities conducted the training through five (5)-paper presentation, three (3) flood-training exercises, previous flood-trainings video presentation and hands-on demonstration. The first half of the training focused on paper’s presented on Project Introduction & Community Roles in Flood Integrated Management, Flood Scenario at Kelantan/ Pasir Mas, Flood Disaster Management Mechanism for National and State Level, Health Care and Hygiene Management in Residential Areas and Environment as well as Operation, Management and Procedure at the Evacuation Center by the officers from respective agencies. The detailed information on the
presenter and the summary of each presented topics tabulated in TABLE 1, followed with the detailed exercises in TABLE 2 whereas the training agenda as tabulated in TABLE 3.

The focus of the training was on the three (3) flood-training exercises developed by GEC for the community engagement programme that focused on Flood Hazards ‘Town-watching’, potable Water Management during floods time as well as preparation of Grab Bag and 72H kit.

- The **Flood Hazards ‘Town-watching’** training focuses on identifying the routes traveled during disasters such as flooding and its consequences. Mapping conducted based on the concept of flood hazards ‘township’ safe passage using the sketch map as localized flood preparedness measures.
- **Potable Water Management** training during floods focused on the mitigation measures and alternative water treatment methods for use during flooding period.
- **Grab Bag and 72H kit** is an emergency & preparedness kit that is required and should be prepared in advance before struck by flood disaster.

The project brochure and community handbook that includes the basic information as the initial step of preparedness before, during and after flood distributed among the participants. A checklist for the grab bag and 72H kits, emergency contact brochure, a sample of informative Town-Watching pocket maps developed from Klang community, and the complete training modules in CDs distributed among the village heads and other government agencies for references and future usage. **ANNEX 3** included all the materials utilized in the training.

For the ‘Town-watching’ training, support of DID Malaysia was attained to provide necessary briefing and to lead the demonstration for the exercise during the program. In addition, site surveying and hands-on activities carried out to expose and train the communities on how to conduct benchmarking and in identifying flood areas, the contributing factors, the destructive areas/components as well as on emergency response during the disaster. **ANNEX 4** captures the images during the training.
<table>
<thead>
<tr>
<th>Title</th>
<th>Summary</th>
<th>Speaker/ Trainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper 1: Project Introduction &amp; Community Roles In Flood Integrated Management</td>
<td>Details of the objectives and goals of the programs implemented. Exposure on importance of knowledge and skills among the communities to face the flood scenarios.</td>
<td>Dr. Kalithasan Kailasam Coordinator RIVER Care Programme, Global Environment Centre</td>
</tr>
<tr>
<td>Paper 2: Flood Scenario at Kelantan/ Pasir Mas</td>
<td>Exposure of type of floods that usually occurs in regional and state level, the public flood information and the role of DID in flood events.</td>
<td>En. Ir Shardani Salleh District Engineer, DID Pasir Mas</td>
</tr>
<tr>
<td>Paper 3: Flood Disaster Management Mechanism For National And State Level</td>
<td>Information on available platform and the role of government agencies in disaster management. Mechanisms and guidelines to deal with disasters at local or even Malaysia with applicable law and procedures as well as NADMA procedures.</td>
<td>En. Wan Muzani Wan Idris National Disaster Management Agency (NADMA)</td>
</tr>
<tr>
<td>Paper 4: Health Care and Hygiene Management in Residential Areas and Environment</td>
<td>Health Care Management, which focused on importance of health care during and after flood disaster and how the communities can play their roles.</td>
<td>Dr Munira Binti Haji Mahmud District Medical Officer, Pasir Mas</td>
</tr>
<tr>
<td>Paper 5: Briefing on Operating and Management Procedure in Flood Relief Centre</td>
<td>Description of the preparedness in the management of the Flood Evacuation Centre, System Management and Maintenance in the Flood Evacuation Centre in collaboration with Social Welfare Department and others agencies involved.</td>
<td>Pn. Hulwati Binti Mohammad Social Welfare Department Pasir Mas</td>
</tr>
</tbody>
</table>
## TABLE 2: SUMMARY OF THE EXERCISES FOR FLOOD PREPAREDNESS TRAINING

<table>
<thead>
<tr>
<th>Title</th>
<th>Summary</th>
<th>Speaker/ Trainer</th>
</tr>
</thead>
</table>
| Exercise 1: Town -watching training on identifying safe paths during flood and the impact of flood | Exposure on finding of secure methods of identification of routes traveled during disasters such as flooding and its consequences. Mapping carried out based on the concept of flood hazards 'township' safe passage using the sketch map as flood preparedness measures. | En. Mohd Fisham Bin Abu Basah  
Senior Assistant Director, Division of Flood Management, DID Malaysia |
| Exercise Training on Water Management during flood | Possible water management and mitigation measures as well as on alternative drinking water treatment during flood. | Dr. Kalithasan Kailasam  
Coordinator RIVER Care Programme, Global Environment Centre |
| Exercise 3: Preparation of Grab Bag and 72H Kit | Information and sharing of inventory checklist on that is needed before the flood disaster such as the 'Grab Bag' and 72H Kit. | Dr. Kalithasan Kailasam  
Coordinator RIVER Care Programme, Global Environment Centre |
### TABLE 3: AGENDA

<table>
<thead>
<tr>
<th>TIME</th>
<th>PROGRAMME</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00 am</td>
<td>Registration</td>
</tr>
<tr>
<td>8.45 am</td>
<td>Opening Ceremony by Pasir Mas District Council</td>
</tr>
<tr>
<td>9.15 am</td>
<td>Morning tea break</td>
</tr>
<tr>
<td>9.30 am</td>
<td>Project Introduction &amp; Community Roles In Flood Integrated Management</td>
</tr>
<tr>
<td></td>
<td>➢ Global Environment Centre (GEC)</td>
</tr>
<tr>
<td>10.15 am</td>
<td>Flood Scenario at Kelantan/ Pasir Mas</td>
</tr>
<tr>
<td></td>
<td>➢ Department of Irrigation and Drainage (DID) Pasir Mas</td>
</tr>
<tr>
<td>10.45 am</td>
<td>Flood Disaster Management Mechanism For National And State Level</td>
</tr>
<tr>
<td></td>
<td>➢ National Disaster Management Agency (NADMA)</td>
</tr>
<tr>
<td>11.30 am</td>
<td>Health Care and Hygiene Management in Residential Areas and Environment</td>
</tr>
<tr>
<td></td>
<td>➢ District Health Office</td>
</tr>
<tr>
<td>12.15 pm</td>
<td>Operation, Management and Procedure at the Evacuation Center</td>
</tr>
<tr>
<td></td>
<td>➢ Social Welfare Department Pasir Mas</td>
</tr>
<tr>
<td>1.00 pm</td>
<td>Lunch and Rest</td>
</tr>
<tr>
<td>2.15 pm</td>
<td>Flood Preparedness Training</td>
</tr>
<tr>
<td></td>
<td>a) Grab Bas &amp; 72H Kit Preparation</td>
</tr>
<tr>
<td></td>
<td>b) Water treatment during flood</td>
</tr>
<tr>
<td></td>
<td>➢ Global Environment Centre (GEC)</td>
</tr>
<tr>
<td>3.00 pm</td>
<td>‘Town-Watching’ Training</td>
</tr>
<tr>
<td></td>
<td>➢ Department of Irrigation and Drainage (DID) Malaysia</td>
</tr>
<tr>
<td>4.15 pm</td>
<td>Closing Ceremony by Dato' Ir. Hj. Hanapi Bin Mohamad Noor (MyWP)</td>
</tr>
<tr>
<td></td>
<td>➢ Certificate Giving Ceremony</td>
</tr>
<tr>
<td></td>
<td>➢ Grab Bag Giving Ceremony</td>
</tr>
<tr>
<td>5.00 pm</td>
<td>Evening tea break</td>
</tr>
</tbody>
</table>
STAKEHOLDER PARTICIPATION

The Flood Preparedness Training for Kelantan communities (District Pasir Mas) which was conducted on 29th August 2016 at Dewan Utama Apam Putra, Majlis Daerah Pasir Mas, Kelantan was officiated by the Pasir Mas District Officer, En. Mohamed Nor bin Husin. Meanwhile, the closing ceremony was officiated by Dato’ Ir. Haji Hanapi Bin Mohamad Noor, Vice President of Malaysia Water Partnership (MyWP) followed by handover of grab bag, certificates, pocket brochure Town-watching map and CDs to the representatives from each villages and local authorities which supported and attended the whole training. A press conference was held among the VIP’s and media from TV1 (RTM Kelantan) who attended to make coverage of the remarkable event. The training was marked as one of the most successful training conducted with involvement of stakeholders, local partners, media agencies and remarkable participation of local communities. PARTICIPANTS

In total, 78 participants from 15 villages within Pasir Mas attended the flood preparedness-training programme. In addition, 41 officers from local authorities and the other relevant agencies as well the fellow speakers were also supported the training. The breakdowns of participants are as tabulated in TABLE 4.

TABLE 4: PARTICIPANTS BREAKDOWN
<table>
<thead>
<tr>
<th>Category</th>
<th>Participants Breakdown</th>
<th>No of Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Authority</td>
<td>Jabatan Penerangan Negeri Kelantan</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Jabatan Hal Ehwal Agama Islam Negeri Kelantan</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Ibu Pejabat Polis Daerah Pasir Mas</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Jabatan Pertahanan Awam Malaysia (Pasir Mas)</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Pejabat Tanah dan Jajahan Pasir Mas</td>
<td>1</td>
</tr>
<tr>
<td>Speakers/Trainers</td>
<td>Department of Irrigation and Drainage Malaysia</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Department of Irrigation and Drainage Pasir Mas</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>National Disaster Management Agency (NADMA)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>District Medical Officer, Pasir Mas</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Social Welfare Department Pasir Mas</td>
<td>1</td>
</tr>
<tr>
<td>Secretariats and Partnership</td>
<td>DID Kelantan</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>DID Pasir Mas</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>GEC</td>
<td>5</td>
</tr>
<tr>
<td>Participants (Community)</td>
<td>Kampung Lanchang</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Kampung Tok Derpah</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Kampung Jejawi</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Kampung Bukit Tandak</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Kampung Tok Sangkut</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Kampung Bongor</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Kampung Banggol Nyior</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Kampung Chenerai</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Kampung Siram</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Kampung Banggol Kong</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Kampung Pohon Tanjung</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Kampung Meranti</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Kampung Senor</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Kampung Kubang Hitam</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Kampung Kelawar</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>119</strong></td>
</tr>
</tbody>
</table>

**TRAINING EVALUATION**
Overall, the participants pointed out that the training equipped them with information on flood preparedness within the community level. Moreover the participants were motivated to practice and outreach at their respective villages. From the observation as in Graph 1, the communities are well supportive of all the three (3) exercises implemented and practiced during the training, detailed evaluation analysis attached in **ANNEX 5**.

**Graph 1 : Overall Evaluation for Training**
In total there was one (1) media from Sinar Harian for the opening ceremony and from TV1 (RTM Kelantan) for the closing ceremony.

1 newspaper article:
   1) Sinar Harian; 30th August 2016, Page 4

Training video uploaded into YouTube:

<table>
<thead>
<tr>
<th>Video</th>
<th>Title</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video 1</td>
<td>Community Flood - Proofing and Adaptation for Climate Resilience</td>
<td><a href="https://youtu.be/xjv67bOIntY">https://youtu.be/xjv67bOIntY</a></td>
</tr>
</tbody>
</table>

KEY OUTCOME
Marking the successful development of community based flood hazard route map, an official ceremony of handover of Community’s Flood Hazard Route Map by RIVER Ranger Community of Kampung Sungai Pinang Bandar to Mayor of Klang Municipal Council was held on July 27th 2016. The ceremony was witness by Yg. Bhg. Dato’ Seri Ir. Zainor Rahim bin Ibrahim, Chairman of MyWP and The Councilor Mr. Yew Boon Lye has received on behalf of the mayor. In addition, about 200 pieces of informative pocket size map as in ANNEX 6 containing Town Watching information and Kampung Sungai Pinang Bandar’s Community Flood Hazard map were distributed to all community members for reference and easier to keep. Beside that A3 size map was distributed to almost 20 key stakeholders like, member of State & parliament, District Office, and other local agencies to display the map.

The Community Flood – Proofing and adaptation for climate resilience training carried out with the support of MPK and DID Malaysia was the first bench mark under the national flood training which incorporates grab bag, 72H kits, flood hazard route map. ANNEX 7 is the photos during the handover of Community’s Flood hazard Route Map ceremony.

CONCLUSION

In summary, the Flood Preparedness Training for Kelantan communities (District Pasir Mas) on 29th August 2016 with the support of DID Kelantan/ Pasir Mas was a successful training programme towards empowering the community to face the flood issues. It is acknowledged during the training, that local communities play a major role in conveying the message obtained from the trainer to their community groups. In addition, it was also observed that demonstration and hands-on activities has a better impact on engaging the communities. It was also identified that some of the participants were interested to be engaged in future localized training at their own village.

EXPENDITURES
<table>
<thead>
<tr>
<th>No</th>
<th>Description</th>
<th>RM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Town-Watching Map Giving Ceremony</td>
<td>1,746.10</td>
</tr>
<tr>
<td>2.</td>
<td>Kelantan Flood Training</td>
<td>13,528.62</td>
</tr>
<tr>
<td></td>
<td>Site recee</td>
<td>222.00</td>
</tr>
<tr>
<td></td>
<td>1st Site visit and meeting with DID Pasir Mas</td>
<td>1,367.64</td>
</tr>
<tr>
<td></td>
<td>2nd Meeting with DID Pasir Mas</td>
<td>661.64</td>
</tr>
<tr>
<td></td>
<td>Flood Training - implementation</td>
<td>11,277.34</td>
</tr>
<tr>
<td>3.</td>
<td>MANAGEMENT</td>
<td>12,810.00</td>
</tr>
<tr>
<td></td>
<td>Time and Consultation fee</td>
<td>10,190</td>
</tr>
<tr>
<td></td>
<td>Photocopy and Printing</td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td>Admin&amp; Accounting</td>
<td>1,620.00</td>
</tr>
<tr>
<td></td>
<td><strong>Grand Total</strong></td>
<td>28,084.72</td>
</tr>
</tbody>
</table>
ANNEX 1: FLOOD HAZARD ROUTE MAP

Community’s Flood Hazard Route Map developed by RIVER Ranger Community of Kampung Sungai Pinang Bandar
ANNEX 2: MINUTES OF MEETINGS

MINIT MESYUARAT PERTAMA

MESYUARAT PERTAMA TAKLIMAT PERLAKSANAAN PROGRAM LATIHAN
PERSEDIAAN MENGHADAPI BANJIR PERINGKAT KOMUNITI PASIR MAS, KELANTAN
BAGI TAHUN 2016

Tarikh : 23hb Mei 2016 (Isnin)
Masa : 8.30 pagi
Tempat : Bilik Mesyuarat, Pejabat Jabatan Pengairan dan Saliran Pasir Mas

KEHADIRAN

Ir. Shardani Bin Salleh Jurutera Jajahan, Jabatan Pengairan dan Saliran Pasir Mas
- Pengerusi

Dr. Kalithasan Kailasam Koordinator, River Care Programme
Global Environment Centre (GEC)

Puan Marziah Binti Mohamad Jabatan Pengairan dan Saliran Kelantan

Puan Sharipah Marlini Binti Sayeid Din Jabatan Kebajikan Masyarakat

Encik Nik Zainal Abidin Bin Nik Mohamed Jabatan Kerja Raya Pasir Mas

Encik Wan Zainuddin Bin Wan Nawang Jabatan Pengairan dan Saliran Pasir Mas

Encik Mohd Rusli Bin Mohd Nor PIJPM

Encik Mohd Ashraf Bin Alias Jabatan Pengairan dan Saliran Pasir Mas

Encik Azmi Bin Mahmud Jabatan Pengairan dan Saliran Pasir Mas

Encik Zaidi Bin Haron Jabatan Pengairan dan Saliran Pasir Mas
Encik Johan Wahyudi Bin Affandi Jabatan Pengairan dan Saliran Pasir Mas

Encik Norazrin Bin Mamat Global Environment Centre

Encik Muhammad Firdaus Bin Yakob Global Environment Centre
1.0 UCAPAN PENGGERUSI

1.1 Mesyuarat dimulakan dengan ucapan salam dan terima kasih di atas kehadiran semua wakil jabatan/ agensi, serta GEC selaku NGO yang bekerjasama dalam perlaksanaan projek ini.

1.2 Makluman perlaksanaan lawatan tapak yang dilakukan pada 22hb Mei 2016 bersama GEC dan JPS Pasir Mas.

1.3 Makluman berkenaan kejadian banjir yang berlaku di Pasir Mas yang mana pada tahun 2014 sebanyak 75% kawasan di Pasir Mas ditenggelami banjir.

1.4 Penerangan berkenaan tugas JPS semasa banjir yang mana JPS hanya melakukan pemantauan paras air dan mengeluarkan makluman kepada masyarakat. JPS Pasir Mas juga dalam usaha memasang Sistem Program Ramalan Awal Banjir.

1.5 Menyerahkan majlis kepada GEC bagi sesi taklimat perlaksanaan program.

2.0 TAKLIMAT DARIPADA MyWP/GEC.

2.1 Ucapan terima kasih kepada JPS Pasir Mas kerana sudi menjadi rakan projek dalam perlaksanaan program murni ini.

2.2 Makluman berkenaan program-program sepanjang tahun 2014 hingga 2016 yang telah diadakan oleh MyWP/GEC yang berkaitan persediaan menghadapi banjir.

2.3 Pengenalan berkenaan latar belakang GEC dan MyWP.

2.4 Pembentangan berkenaan cadangan program yang akan dilaksanakan di peringkat komuniti Pasir Mas.

3.0 PERBINCANGAN AHLI MESYUARAT

3.1 Cadangan tarikh perlaksanaan adalah pada 29hb Ogos 2016 (Isnin) dan telah dipersetujui oleh semua ahli mesyuarat.

3.2 Cadangan tempat adalah di Dewan Utama Apam Putra dan pengisian modul mengikut kesesuaian GEC.

3.3 Pihak JPS dan ahli mesyuarat mencadangkan perlaksanaan program pada hari bekerja bagi memudahkan penglibatan semua pegawai-pegawai yang terlibat.

3.4 Cadangan bagi taklimat penjagaan kesihatan dilaksanakan oleh Pejabat Kesihatan Daerah.

3.5 Bagi perasmian penutup adalah oleh JPS Malaysia/ JPS Kelantan atau MyWP.

3.6 Jemputan seramai 5 orang wakil daripada setiap kampung dan perbelanjaan pengangkutan adalah dibawah tanggungan MyWP/GEC.

3.7 Cadangan jumlah peserta adalah seramai 50 orang daripada 10 kampung dibawah Jajahan Pasir Mas.

3.8 Tetamu jemputan (VIP) bagi perasmian pembukaan program adalah Pegawai Daerah Pasir Mas atau MyWP.
3.9 Cadangan Taklimat Senario Banjir Daerah Pasir Mas disampaikan oleh Jurutera Jajahan JPS Pasir Mas atau Puan Maziah, JPS Kelantan.
3.10 Cadangan Taklimat Mekanisma Pengurusan Bencana Peringkat Kebangsaan dan Negeri disampaikan oleh NADMA.
3.11 JPS Pasir Mas tetapi menjadi sekretariat bagi perlaksanaan program. Segala urusan surat menyurat perlaksanaan program akan dikeluarkan oleh JPS Pasir Mas tetapi kandungan surat akan disediakan oleh GEC.
3.12 Cadangan agar setiap agensi dijemput untuk mengadakan pameran semasa perlaksanaan program.
3.13 Pihak JKM mengucapkan terima kasih dan tahniah kepada GEC dan JPS yang telah berusaha dalam melaksanakan program ini. JKM telah menubuhkan AJK bagi bahagian masing-masing seperti AJK Kebersihan dan lain-lain. Persoalan daripada JKM bahawa samada terdapat kajian keberkesanan terhadap perlaksanaan program-program yang telah diadakan. GEC memaklumkan bahawa kajian selidik sememangnya telah diadakan oleh UPM.
3.14 Ahli mesyuarat mencadangkan agar mesyuarat kedua sebelum program diadakan bagi mengemaskini perkembangan semasa perancangan dan persediaan program.
3.15 Penangguhan mesyuarat.

Disediakan Oleh:

........................................
NORAZRIN BIN MAMAT
Pegawai Program,
River Care Programme,
Global Environment Centre.

Disemak Oleh:

.......................................................
DR. KALITHASAN KAILASAM
Koordinator,
River Care Programme,
Global Environment Centre.

Disediakan pada 24hb Mei 2016

Disahkan Oleh:

.......................................................
IR. SHARDANI BIN SALLEH
Jurutera Jajahan,
Jabatan Pengairan dan Saliran Pasir Mas.
MINIT MESYUARAT KEDUA

MESYUARAT KEDUA PROGRAM LATIHAN PERSEDIAAN MENGHADAPI BANJIR
PERINGKAT KOMUNITI JAJAHAN PASIR MAS, KELANTAN, TAHUN 2016

Tarikh : 16hb Ogos 2016 (Selasa)
Masa  : 3.30 petang
Tempat : Bilik Mesyuarat, Pejabat Jabatan Pengairan dan Saliran Pasir Mas

KEHADIRAN

Ir. Shardani Bin Salleh Jurutera Jajahan, Jabatan Pengairan dan Saliran Pasir Mas
- Pengerusi

Dr. Kalithasan Kailasam Koordinator, River Care Programme Global Environment Centre (GEC)

Puan Marziah Binti Mohamad Jabatan Pengairan dan Saliran Kelantan

Encik Wan Zainuddin Bin Wan Nawang Jabatan Pengairan dan Saliran Pasir Mas

Puan Hulwati Binti Mohammad Jabatan Kebajikan Masyarakat

Dr Munira Binti Haji Mahmud Pejabat Kesihatan Daerah Pasir Mas

Dr Nik Mohd Hafiz Bin Mohd Fuzi Pejabat Kesihatan Daerah Pasir Mas

Encik El Taraff Mohd Bomba dan Penyelamat Pasir Mas

Encik Wan Muzani Bin Wan Idris Agensi Pengurusan Bencana Negara

Encik Mohd Rusli Bin Mohd Nor Pejabat Tanah dan Jajahan Pasir Mas

Encik Muhammad Bin Yaacob Jabatan Pengairan dan Saliran Pasir Mas

Encik Che Harun Bin Ismail Jabatan Pengairan dan Saliran Pasir Mas

Encik Norazrin Bin Mamat Global Environment Centre
1.0 UCAPAN PENERUSI

1.1 Ucapan aluan dan terima kasih kepada GEC kerana telah memilih Jajahan Pasir Mas bagi perlaksanaan program dan memilih JPS Pasir Mas sebagai tuan rumah.
1.2 Makluman ahli jemputan mesyuarat yang hadir dan ucapan terima kasih kepada agensi/ jabatan yang hadir.
1.3 Makluman berkenaan program yang akan diadakan secara sepihak lalu.
1.4 Penyerahan mesyuarat kepada GEC.

2.0 TAKLIMAT DARIPADA MyWP/GEC.

2.1 Ucapan terima kasih kepada JPS Pasir Mas/ Kelantan dan lain-lain ahli mesyuarat yang hadir.
2.2 Makluman berkenaan latar belakang serta program-program dibawah inisiatif MyWP/GEC.
2.3 Pengesahan kehadiran penceramah dan jemputan bagi perlaksanaan.
2.4 Pengesahan laluan selamat banjir seperti mana yang telah ditetapkan oleh GEC.
2.5 Makluman agenda perlaksanaan program dan tetamu jemputan.
2.6 GEC memaklumkan segala persediaan program adalah berjalan lancar dan hanya beberapa isu sahaja perlu dipantau dan ditambah baik iaitu kehadiran peserta dan urusan logistik.

3.0 PERBINCANGAN AHLI MESYUARAT

3.1 Cadangan perasmian pembukaan program adalah Tuan Pegawai Daerah Pasir Mas manakala ucapan aluan adalah disampaikan oleh Dato’ Ir. Hj. Hanapi (MyWP). Surat jemputan akan disediakan oleh GEC dan dihantar melalui JPS Pasir Mas.
3.2 Makluman berkenaan perlaksanaan program melalui NADMA yang mana mereka mempunyai platform tersendiri dalam perlaksanaan program-program berkaitan banjir dan bencana. Sekiranya GEC dapat bekerjasama dan bergabung sepenuhnya dengan NADMA mungkin dapat memudahkan segala urusan berkaitan agensi-agensi lain.
3.3 Sidang media akan diadakan selepas perasmian pembukaan program yang mana wakil JPS adalah Puan Marziah bersama Tuan Pegawai Daerah, MyWP dan GEC. Penyata media akan dikeluarkan oleh GEC.
3.4 Bagi Taklimat Senario Banjir di seluruh negeri Kelantan akan disampaikan oleh Puan Marziah JPS Kelantan atau Ir Shardani JPS Pasir Mas.
3.5 Makluman berkenaan jemputan penceramah yang mana kesemua penceramah telah bersetuju dan GEC hanya menunggu salinan borang maklumbalas daripada penceramah.
3.6 Jemputan perasmian penutup iaitu Pengarah JPS Kelantan adalah melalui GEC bersama JPS Kelantan.
3.7 JPS Pasir Mas akan menghantar seramai 30 orang staff agar terlibat dalam perlaksanaan program.
3.8 Ahli mesyuarat mengemukakan masalah kehadiran peserta yang mana urusetia perlu mempunyai perancangan terperinci untuk menarik dan memastikan kehadiran peserta semasa program diadakan nanti.
3.9 Cadangan daripada JKM agar jemputan kepada peserta adalah fokus kepada urusetia/ jawatankuasa pusat pemindahan banjir yang mana JKM bersetuju untuk membuat jemputan.
3.10 Cadangan daripada wakil Pejabat Daerah bagi jemputan peserta adalah melalui Tuan Pegawai Daerah dan satu mesyuarat harus dilaksanakan antara JPS Pasir Mas serta Pejabat Daerah.
3.11 Pengacara Majlis dan Bacaan doa oleh pihak JPS Pasir Mas.
3.12 Kebanyakan agensi bersetuju untuk memasukkan logo dalam apa-apa bahan publisiti seperti bena dan banting sebagai sokongan terhadap perlaksanaan program.
3.13 GEC memohon agar JPS Pasir Mas dapat menyediakan beberapa orang pegawai sebagai urusetia bagi melancarkan pengurusan perlaksanaan program.
3.14 GEC meminta semua penceramah atau jurulatih agar menyerahkan Salinan pembentangan (ppt) kepada GEC sebelum 26hb Ogos 2016 bagi penyelarasan penggunaan latar belakang pembentangan.
3.15 Penangguhan Mesyuarat dan harapan pengerusi agar program berjalan lancar.
ANNEX 3: MATERIALS

A: Flood Hand Book

[Image of Flood Hand Book]

B: Presentation/Exercises

**Paper 1:** Project Introduction & Community Roles In Flood Integrated Management  
**Paper 2:** Flood Scenario at Kelantan/Pasir Mas  
**Paper 3:** Flood Disaster Management Mechanism For National And State Level  
**Paper 4:** Health Care and Hygiene Management in Residential Areas and Environment  
**Paper 5:** Operating and Management Procedure in Flood Relief Centre  
**Exercise 1:** Town-watching training on Identifying safe paths during flood and the impact of flood  
**Exercise 2:** Training on Water Management during flood  
**Exercise 3:** Preparation of Grab Bag and 72H Kit

[Image of Training Program]

**Template of Slide Presentation (ppt)**
C: Training Materials

**Banner for the training**

**Certificate of Participants**
Certificate of Trainer

Certificate of Partnership and Supported
Sticker for Document Kit

Flood Badge

Grab Bag
Poster Town-watching Map
ANNEX 4: IMAGES

A: Site Visit and Preparation meetings

22 May 2016 – Site Visit with DID Pasir Mas

23 May 2016 - 1st meeting with DID Pasir Mas & local authorities

16 August 2016 - 2nd meeting with DID Pasir Mas & local authorities
### B: Overall programme activities

<table>
<thead>
<tr>
<th>Training participants from 15 selected villages in Pasir Mas district located near to Sungai Golok, Thailand.</th>
<th>Opening ceremony with Pasir Mas District Officer, Mr. Mohd Nor bin Husin &amp; Pasir Mas DID District Engineer Mr. Ir. Shardani bin Salleh.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening speech by Pasir Mas District Officer, Mr Mohd Nor bin Husin.</td>
<td>Paper presentation by DID Pasir Mas : Flood Scenario at Kelantan/ Pasir Mas.</td>
</tr>
<tr>
<td>Paper presentation by District Medical Officer Pasir Mas : Health Care and Hygiene Management in Residential Areas and Environment</td>
<td>Paper presentation by JPS Malaysia : Town-watching training on Identifying safe paths during flood and the impact of flood</td>
</tr>
</tbody>
</table>

| Town watching exercise.  
a) Local communities were divided into three groups to identify safe paths during flood near to training hall. |  |
Town watching exercise.
b) After identifying the safe paths, local communities discuss among group members to finalise the hazard and solution for the problems.

c) Each group present the findings for Town-watching exercise.
Training on Water Management during flood. Community representatives volunteered to test potable water after being treated.

Closing ceremony by Vice President of Malaysia Water Partnership (MyWP), Dato’ Ir. Haji Hanapi Bin Mohamad Noor.

Grab bag giving ceremony to each of villages representative during training

Certificate of appreciation given to all the speakers for paper presentation during flood training.

Group photo with Pasir Mas District Officer and all the training participants.
ANNEX 5: EVALUATION

68% of the participants were communities whereas 32% from the local authority as well as relevant agencies as Department of Irrigation and Drainage (DID) Malaysia, National Disaster Management Agencies (NADMA) and other agencies as in Chart 1. The community breakdown distribution according to the villages is in Chart 2.

![Chart 1: Details of participants distribution](image)

<table>
<thead>
<tr>
<th>Community Breakdown as per village</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kampung Lanchang</td>
</tr>
<tr>
<td>Kampung Tok Derpah</td>
</tr>
<tr>
<td>Kampung Jejawi</td>
</tr>
<tr>
<td>Kampung Bukit Tandak</td>
</tr>
<tr>
<td>Kampung Tok Sangkut</td>
</tr>
<tr>
<td>Kampung Bongor</td>
</tr>
<tr>
<td>Kampung Banggol Nyior</td>
</tr>
<tr>
<td>Kampung Chenerai</td>
</tr>
<tr>
<td>Kampung Siram</td>
</tr>
<tr>
<td>Kampung Banggol Kong</td>
</tr>
</tbody>
</table>

![Chart 2: Community breakdown for each village](image)
There was a noticeable gender imbalance in the participation as male dominated the training with only 9% female. In future, the breakdown should be balanced because both gender must obtain equal knowledge and experience to prepare for any possibilities flood disaster.

The training was attended by Malays only as villages within Pasir Mas area dominated by the Malay communities. 66% of the participants were within the age group of 36 and onwards which is relevant as the main target of the programme were village heads. 56% of the participants are self-employed. And 11% of the participants comprises on the students who were on semester break with the support of the village heads.
Chart 5: Occupation Distribution

- Self employed: 56%
- Business: 23%
- Government agencies: 11%
- Students: 6%
- Others: 4%
ANNEX 6: INFORMATIVE POCKET SIZE MAP

Informative Community’s Flood Hazard Route Map (Page 1)

Informative Community’s Flood Hazard Route Map (Page 2)
ANNEX 7: HANDOVER OF COMMUNITY’S FLOOD HAZARD ROUTE MAP CEREMONY.

Figure 1: The handover of map by the RIVER Ranger Community of Kg. Sg. Pinang Bandar to Mr. Yew Boon Lye, the Councillor of Klang Municipal Council, witnessed by Yg. Bhg. Dato’ Seri Ir. Zainor Rahim bin Ibrahim, Chairman of MyWP

Figure 2: Group photo of SMART Ranger TOT participants with by Mr. Yew Boon Lye and Dato’ Seri Ir. Zainor Rahim bin Ibrahim.
Figure 3: Mr. Yew Boon Lye receiving a token of appreciation from Dr.K. Kalithasan from Global Environment Centre.

Figure 4: Representative of RIVER Ranger Kg. Sg. Pinang Bandar being interviewed by the media.