



**Establishment and Operation of a Regional System of
Fisheries *Refugia* in the South China Sea and Gulf of Thailand**

REPORT

THE NATIONAL FISHERIES REFUGIA COMMITTEE MEETING

**PUTRAJAYA, MALAYSIA
22 SEPTEMBER 2020**

Prepared by
**DEPARTMENT OF FISHERIES
MALAYSIA**

**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT**



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I. OPENING OF THE MEETING

1. The National Fisheries Refugia Committee Meetings for the SEAFDEC/UNEP/GEF Project on Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and the Gulf of Thailand was held on 22nd September 2020. The list of participants is in ANNEX 1.
2. Mr. Raja Bidin bin Raja Hassan, the Deputy Director of Fisheries Malaysia (Development) welcomed and thanked all the members of the meeting who were attended physically and virtually.
3. The Chairman informed that the purpose of the meeting are as follows:
 - i. To take a note on the progress of the implementation of Fisheries Refugia Project in Malaysia at 2 sites namely Tanjung Leman and Kuala Baram.
 - ii. To discuss the way forward and intervention measures for a consolidated study; and
 - iii. To endorse the Quarterly Work Plan for First Quarter (Q1), Second (Q2), Third (Q3) and Fourth (Q4) of year 2020.
4. Mr. Hj. Mohd Sufian bin Sulaiman, the Senior Director of Marine Park and Resource Management Division also expressed his gratitude to the members of meeting. He informed the project implementation and expenditure of the GEF allocation will be carried out according to the schedule. Besides that, he mentioned that each finding by the researchers should be presented and discussed together for improvement as needed.

II. MEETING BACKGROUND AND INTRODUCTION

5. Madam Shamila binti Zainol, performed as a secretariat of the meeting has introduced the background and meeting objectives to the Committee.
6. She informed the project has been started since 2017 and is scheduled to be end as of 31st December 2020. However, all participating countries has agreed for an extension of time until 2021 in the Second Project Steering Committee Meeting which was held on 4th and 5th November 2020 in Miri, Malaysia. In addition, all countries also agreed to extend until 2022 by taking into account the Covid-19 pandemic that hits globally during the Ad-hoc meeting organized by Project Coordinating Unit in June 2020. In this regard, the approval for time extension till 2022 from UNEP is still pending.
7. Overall, the research progress at both sites have achieved more than 70% as of 22nd September 2020. The progress status has been presented in the National Scientific and Technical Committee (NSTC) Meeting which was held on the first week of September of 2020. Recommendations and comments for improvement have been highlighted further actions by the researchers. Simultaneously, the NSTC has agreed to complete the research by end of December 2020.

III. PROJECT PROGRESS REPORT

A. THE STUDY OF LOBSTER REFUGIA TANJUNG LEMAN, JOHOR

8. The meeting was informed that the data collection of lobster landing has been completed and site monitoring session will be implemented in October 2002 to verify the location that has been identified as a lobster spawning area.
9. The meeting has agreed to conduct the relevant proposed improvements at both sites as suggested by the appointed panels. The recommendations are as per listed in the **ANNEX 2**

B. STUDY OF TIGER SHRIMP REFUGIA IN KUALA BARAM, SARAWAK

10. The meeting was informed that the research will be completed in November 2020.
11. The meeting agreed with the proposed improvements for the Tiger Shrimp Refugia Study in Kuala Baram, Sarawak considering the following recommendations by the appointed panels. The recommendations are as per listed in the **ANNEX 2**

C. PROJECT IMPACT STUDY

12. Reference to the Project Impact Study on Pre -Establishment of Lobster Refugia Area on Socio-economic of Fishermen in South Pahang-East Johor 2018-2019, the meeting agreed with the proposed improvements for the Pre-Project Impact Study of Establishment of Reef Refugia Area on Socio-economic of Fishermen in South Pahang-East Johor 2018-2019 as suggested by the appointed panels refer **ANNEX 3**.
13. Reference to the Project Impact Study on Pre-Establishment of Tiger Shrimp Refugia Area on Socio-Economic of Fishermen in Kuala Baram, Miri, Sarawak 2020, the meeting agreed with the proposed improvements for the Pre-Project Impact Study on the Establishment of Tiger Shrimp Refugia Area on Socio-Economic of Fishermen in Kuala Baram, Miri, Sarawak 2020 as suggested by the appointed panels refer **ANNEX 3**.

IV. EXPENDITURES REPORT

14. As of 9th Sept 2020, the Department of Fisheries Malaysia has received an allocation of RM520,151.73 (USD125,646.58) since 2018. Based on the updated record of expenditure as per the same date; recorded a cumulative expenditure of RM343,615.83 (USD83,003.36). This makes unspent balance at SEADFEC / MFRDMD is RM 176,535.90 (USD 42,638.22) and will be used for Q4/2020. Currency exchange rate is equivalent to 1 USD to MYR = 4.14157 as of 14 Sept 2020.

V. ENDORSEMENT 2020 WORKPLAN BY QUARTER

15. The meeting endorsed the quarterly Costed Workplan for Q1-Q4/2020 and requested the secretariat send it to the PCU refer **Annex 4**.
16. Adjournment of the Meeting, The Chairman conveyed thanks and adjourned the meeting at 4:30pm

Annex 1: List of Participants

| | NAME | Organization/Institutions | Remarks |
|--|---|--|------------------|
| 1. | YM Raja Bidin bin Raja Hassan | Department of Fisheries, Putrajaya | Chairman |
| 2 | Mr. Hj. Mohd Sufian bin Sulaiman | Department of Fisheries, Putrajaya | |
| 3 | Commander (M) Yousry bin Yaali | Malaysian Maritime Enforcement Agency | |
| 4 | Mr. Haron bin Mahidi | Sarawak Economic Planning Unit | |
| 5 | Mr. Zakaria bin Ali | Terengganu Malaysian Fisheries Development Authority | |
| 6 | Mr. Sallehudin bin Jamon | FRI Kg. Aceh, Lumut, Perak | |
| 7 | Mdm. Shamila binti Zainol | Department of Fisheries, Putrajaya | |
| 8 | Mr. Abdullah bin Jaafar | Pahang State Fisheries Office | |
| 9 | Mdm. Noraishah binti Hashim | Director, Johor State Fisheries Office | |
| 10 | | | |
| 11 | Mdm. Aishah binti Hj. Yusoff | Department of Fisheries, Putrajaya | |
| 12 | Mr. Mohd Nizam bin Ismail | Department of Fisheries, Putrajaya | |
| 13 | Mdm. Vaani a/p Muniandy | Department of Fisheries, Putrajaya | |
| 14 | Mdm. Halina binti Hashim | Pahang State Fisheries Office | |
| 15 | Mr. Mohd. Ridzuwan bin Rahim | Southeast Asian Marine Resources Institute (ISMAT) | |
| 16 | Dr. Alias bin Man | Program Advisory Panel (Refugia Specialist) | |
| 17 | Lt. Col (M) Salih bin Samsudin | Malaysian Maritime Enforcement Agency | |
| 18 | Mr. Haron B. Mahidi | Sarawak State Economic Planning Unit | Visually present |
| 19 | Mdm. Noor Hasmayana binti Yahaya | Department of Fisheries, Putrajaya | |
| 20 | Mr. Azlan bin Md Nor | Department of Fisheries, Putrajaya | |
| 21 | Mdm. Norhanida binti Daud | FRI Batu Maung, Pulau Pinang | |
| Absent with Apology | | | |
| 22 | Representative of the Policy and Strategic Planning Division (DPS), MAFI | | |
| 23 | Representative of the Plant, Livestock and Fisheries Industry Division (ITTP), MAFI | | |
| 24 | Representative of Biodiversity and Forestry Management Division, KETSA | | |
| 25 | Representative of the Policy and Strategic Planning Division, MESTEC | | |
| 26 | Representative of the Department of Environment (DOE) | | |
| 27 | Representative of Sarawak State Economic Planning Unit | | |
| 28 | Representative of Johor State Economic Planning Unit | | |
| 29 | Representative of Resource Protection Division | | |
| 30 | Representative of FRI Bintawa, Sarawak | | |
| 31 | Deputy Legal Adviser, DoF | | |
| Secretariat from Department of Fisheries, Putrajaya | | | |
| 32 | Mdm. Nurashiqin binti Sallih Udin | | |
| 33 | Ms. Nor Amnah binti Taib | | |
| 34 | Mdm. Asma binti Mat Soh | | |
| 35 | En. Muhammad Syahid bin Baharuddin | | |
| | | | |

| | NAME | Organization/Institutions | Remarks |
|-------------|--|--|-------------------|
| 1. | Mr. Sallehudin bin Jamon | Director, FRI Kg. Aceh, Perak | as Chairperson |
| 2 | Mr. Jamil bin Musel | FRI Bintawa, Sarawak | |
| 3 | Mdm. Shamila binti Zainol | Department of Fisheries | |
| 4 | Mdm. Liza binti Hj. Long | Sarawak Marine Fisheries Department | |
| 5 | Mr. Azlan bin Md Nor | Department of Fisheries | |
| 6 | Mdm. Norhanida binti Daud | FRI Batu Maung, Penang | |
| 7 | Mdm. Aishah binti Hj. Yusoff | Department of Fisheries | |
| 8 | Mdm. Nurridan binti Abdul Han | FRI Bintawa, Sarawak | |
| 9 | Mr. Ryon Siow | FRI Kg. Aceh, Perak | |
| 10 | Mr. Mohd Nizam bin Ismail | Department of Fisheries | |
| 11 | Mdm. Halina binti Hashim | Pahang State Fisheries Office | |
| 12 | Mr. Buniamin bin Kiprawi | Sarawak Marine Fisheries Department | Online |
| 13 | Mdm. Vaani Muniandy | Department of Fisheries | |
| 14 | Mdm. Nurashiqin binti Salih Udin | Department of Fisheries | |
| 15 | Ms. Bahrinah binti Bahrim | Johor State Fisheries Office | |
| 16 | Mr. Mohd. Ridzuwan bin Rahim | Southeast Asian Marine Resources Institute (ISMAT), Terengganu | |
| 17 | Ms. Nor Amnah binti Taib | Department of Fisheries | |
| 18 | Mdm. Harwati binti Rukari | Department of Fisheries | |
| 19 | Ms. Anis binti Mohd Ariffin | Miri District Fisheries Office, Sarawak | Online |
| 20 | Mr. Hj. Hadil bin Rajali | Panel Pakar Refugia | |
| 21 | Dr. Mabel Manjaji Matsumoto | Senior Lecturer, University of Malaysia Sabah | Online |
| 22 | Dr. Audrey Daning Tuzan | Senior Lecturer, University of Malaysia Sabah | Online |
| 23 | Dr. Annita Yong Seok Kian | Senior Lecturer, University of Malaysia Sabah | |
| SECRETARIAT | | | |
| 24 | Ms. Nur Hidayah binti Asgnari | Research Officer, FRI Kg. Aceh, Perak | |
| 25 | Mdm. Effarina binti Mohd Faizal Abdullah | FRI Kg. Aceh, Perak | |
| 26 | Ms. Noorul Azliana binti Jamaludin | FRI Kg. Aceh, Perak | |
| | | | |

Annex 2: Recommendations for Study at Both Sites

Study of Lobster Refugia Tanjung Leman, Johor

- Mark the proposed refugia area with coordinates (latitude and longitude) up to the coast and register in the map to ensure accurate marking of the area as well as the actual position in the ocean to determine the location of lobster during migration and breeding season (critical time). In addition, the area to be covered includes the migration corridor, breeding area as well as the juvenile phase of Puerulus and the closing period should be seen and scrutinized to ensure the effectiveness of the refugia.
- Take serious note and emphasize the enforcement aspect in the proposed area of refugee establishment.
- Identify other species found in refugia areas to reduce the impact and avoid conflicts with fishermen.
- Identify appropriate programs to support the livelihood of fishermen during the closed season implementation.
- Convert the quantity of berried female landings to the percentage of berried female landings.
- Complete lobster study data including the use of various fishing equipment for sample collection, monthly weight information until the end of 2020 and migration route data by Local Ecological Knowledge to support scientific data to aid accurate analysis. The lobster population in Pahang waters needs to be reviewed as there is data on lobsters using the islands as a refuge before going to the breeding area to facilitate the preparation and implementation of management plans.
- Identify the existing biomass of lobsters. This biomass will also be used in monitoring aspects to measure the effectiveness of refugia implementation.
- Collaborate with stakeholders such as working with fishermen for lobster tagging (tagging process is carried out from the juvenile stage).
- Identify biological information of lobster at each stage of growth.

Study of Tiger Shrimp Refugia in Kuala Baram, Sarawak

- Obtain the current tiger shrimp biomass index, for the purpose of measuring the effectiveness of the refugia to be developed.
- Obtain complete GSI data, landing data and proposed season / breeding period and improve the presentation by displaying all data collected during the monthly sampling period for each year because the data shown is found to be insufficient to be analyzed especially for low total number of parents.
- It is recommended that all the findings of the study be displayed to help policy makers to make the right decision regarding the establishment of tiger shrimp refugia.

Annex 3: Proposed Improvements on Project Impacts Study

Project Impact Study on Pre -Establishment of Lobster Refugia Area on Socio-economic of Fishermen in South Pahang-East Johor 2018-2019,

- Enhance consultation with stakeholders and target respondents especially fishermen according to the type of nets and fishing equipment that may be affected if refugia is created.
- Activate the Community-based management Site Committee for the implementation of the capacity increase and public awareness program the establishment of this refugia.
- Marking of lobster areas especially in the state of Pahang
- Poster placements announcing the establishment of refugia in the proposed area.
- Identify incentives and provide subsidies especially to fishermen during the closed season if refugia is introduced.

Project Impact Study on Pre-Establishment of Tiger Shrimp Refugia Area on Socio-Economic of Fishermen in Kuala Baram, Miri, Sarawak 2020

- Obtain data on tiger prawns of other species namely *Penaeus Semisulcatus* and the need to obtain data on tiger prawn catch in a season to measure the level of economic impact on fishermen.
- Conduct three-layer drift / shrimp trawler monthly survey through observer on board method to acquire more accurate data.
- The latest data shows a low tiger prawn population in the study area. There is a need to obtain data on the initial status of tiger prawns to observe the trend of tiger prawn population in the study area whether it is declining or increasing.
- Make amendments to the questionnaire to make it more open. This is because the input from this questionnaire will be used by policy makers in making the right decisions regarding the selection of refugia sites as well as the best management of the area.

ANNEX 4_ Q1-2020

| Key Result Area | Related Target | Planned Activities(s) | Anticipated Deliverable/ Timeline | Status | Inputs/ Support Required | Agreed Follow-up | Action/ Person in charge |
|---|---|---|--|---|--|-------------------|--------------------------|
| Component 1 | | | | | | | |
| Component 1. Identification and management of fisheries and critical habitat linkages at 3 priority fisheries refugia 1.1 Developing fisheries and coastal habitat information and data collection programmes for (1) Tg. Leman, Johor | 1.1.4 Design and conduct fisheries surveys at the 2 sites and submit data to a national online database | Conduct resource surveys at refugia site | 1 survey reports | | | | |
| | | <p>*In March trip, trip was conducted from 12 to 19 March 2020 due to Movement Control Order)</p> <p>Daily collection of lobster and tiger prawns landing data from selected sites: Site 1: Sedill Site 2: Tanjung Leman Site 3: Endau</p> | Tiger prawns –biological info such as Length Weight, juvenile and life cycle | Need to conduct tiger prawn resource sampling at K. Baram site. | K. Baram: Travel Claim RM2,050 TOTAL: RM2,050 (USD 487.92) | | Ms. Nurridan Abdul Han |
| | | | Lobster landing trend and basic biological information (species, length, weight, egg presence) | Need to select and hire field workers (4 persons) | Tl. Leman: Enumerator: RM6,635 TOTAL: RM6,635 (USD 1579.71) | | Mr. Ryon Siow |
| Component 2 | | | | | | | |
| 2.5 Enhancing access to information relating to status and trends in fish stocks and their habitats in Malaysia waters of the SCS | 2.5.2 Compile information and data derived from surveys on size-frequency of priority species 2.5.3 Compile information and data on landings of priority species (volume/value, fishing areas and gears) 2.5.5 Revise national report on fish stocks and habitats in Malaysia waters of the South China | Compilation of literature and past reports | 2 reports compilation | Need to identify past survey report and literature | | Use national fund | Ms. Vaani Muniandy |
| | | Incorporate in 2.5.2 | | | | | |
| | | 1 meeting | 1 meeting report | Need to determine suitable date | | Use national fund | Ms. Vaani Muniandy |
| 3.2 Improving community acceptance of area based approaches to marine management | 3.2.1 Produce locally appropriate public awareness and outreach materials to promote local social, economic and environmental benefits of fisheries refugia | Writing at Refugia Information Centre | | | Tl. Leman: Wiring RM3,754.80 TOTAL: RM3,754.80 (USD 894.00) | | PPN Johor |
| Component 4 | | | | | | | |
| 4.2 Harnessing national scientific and technical expertise and knowledge to inform policy, legal and institutional reforms for fisheries refugia | 4.2.2 Provision of technical and scientific inputs to planning of activities in components 1, 2 and 3 | 1 NSTC Meeting Incorporate in 4.2.1 RSTC Meeting in Cambodia | Meeting report including participant list | NSTC Meeting on January 2020 RSTC Meeting on February 2020 | F&B for NSTC Meeting: RM300 (USD 71.43) Travel claim RSTC for Mr. Jamil RM3,888.70 (USD925.87) TOTAL: RM4,188.70 (USD 997.31) | | Ms. Vaani Muniandy |
| | | 1 meeting | quarterly work plans and progress and financial reports | Meeting on workplan (February 2020) | F&B: RM 1000 TOTAL: RM 1000 (USD 238.10) | | Ms. Vaani Muniandy |
| Training and Capacity Development | | | | | | | |
| Planned Attendance at Workshops/ Meetings | | | | | | | |
| TOTAL | | | | | | | |
| | | | | | RM17,628.50 (USD 84,197.26) | | |

Annex 4: Q2-2020

| Key Result Area | Related Target | Planned Activities(s) | Anticipated Deliverable/ Timeline | Status | Inputs/ Support Required | Agreed Follow-up | Action/ Person in charge |
|--|---|---|--|--|--------------------------------------|------------------|---|
| Component 1 | | | | | | | |
| Component 1. Identification and management of fisheries and critical habitat linkages at 3 priority fisheries refugia | 1.1.4 Design and conduct fisheries surveys at the 2 sites and submit data to a national online database | Conduct resource surveys at refugia site Site 2: Kuala Baram | 1 survey report | Need to conduct tiger prawn resource sampling at K. Baram | K. Baram; *USD=4.2MYR | | Ms. Nurridan Abdul Han |
| | | Daily collection of lobster and tiger prawns landing data from selected sites: Site 1: Sedili Site 2: Tanjung Leman Site 3: Endau Site 4: Kuala Baram | 1 survey report | - No activity has been conducted during Q2 2020 due to MCO. All the activities/ research was ended at Q1 2020. | | | Mr. Ryon Siow |
| 1.2 Facilitating agreement among stakeholders on the boundaries of fisheries refugia at the (1) Tg. Leman, Johor and (2) Kuala Baram, Sarawak sites | 1.2.2 Prepare maps for 2 refugia and elicit fisherfolk input to boundary delineation through consultation | - Draft Map on K.Baram Site. | 1 map | Need to draft 1 map | - | | Ms. Nurridan Abdul Han & JPL Sarawak |
| | | 1.2.3 Conduct assessment of environmental and social impacts of designation of sites as refugia | Conduct socio-economic survey at refugia Site 2: Kuala Baram | 1 survey report | Need to conduct socio economic study | K. Baram - | Use national fund -RM50,000 |
| Component 2 | | | | | | | |
| Component 2. Improving the management of critical habitats for fish stocks of transboundary significance via national actions to strengthen the enabling environment and knowledge- base for fisheries refugia management in Malaysia | 2.5.2 Compile information and data derived from surveys on size-frequency of priority species | Incorporate in 2.5.1 | | | | | Ms. Vaani Muniandy |
| 2.5 Enhancing access to information relating to status and trends in fish stocks and their habitats in Malaysia waters of the SCS | 2.5.3 Compile information and data on landings of priority species (volume/value, fishing areas and gears) | Incorporate in 2.5.1 | | | | | Ms. Vaani Muniandy |
| Component 4 | | | | | | | |
| Component 4. National coordination for integrated fish stock and critical habitat management in Malaysia | 4.1.2 Establish and convene quarterly meetings of the National Fisheries Refugia Committee (NFRC) | 1 Meeting | Meeting report including participant list | No Meeting of the NFRC has been conducted during Q2 2020 due to MCO. | - | | Ms. Vaani Muniandy |
| | 4.1.3 NFRC review and endorsement of quarterly work plans and progress and financial reports, including tracking of continuity of participation of stakeholders | Incorporate in 4.1.2 | | | | | Ms. Vaani Muniandy |
| 4.1 Strengthened cross-sectoral coordination in the establishment and operation of fisheries refugia in Malaysia | 4.1.4 NFRC inputs to mid-term review and terminal evaluation of national and regional aspects of project | | | | | | Ms. Vaani Muniandy |
| 4.2 Harnessing national scientific and technical expertise and knowledge to inform policy, legal and institutional reforms for fisheries refugia | 4.2.1 Establish and convene 6 monthly meetings of the National Technical Working Group | 1 Meeting | Meeting report including participant list | No Meeting of the NFRC has been conducted during Q2 2020 due to MCO. | | | Ms. Vaani Muniandy |
| | 4.2.2 Provision of technical and scientific inputs to planning of activities in components 1, 2 and 3 | Incorporate in 4.2.1 | | | | | Ms. Vaani Muniandy |
| 4.3 Catalyzing local community action via establishment and operation of site-based management boards at 2 priority refugia sites | 4.3.2 Establish and convene quarterly meetings of site-based management boards | 3 meetings Site 1: Tj. Leman (2 meetings) Site 2: K. Baram (1 meeting) | 3 meeting report | - No activity has been conducted during Q2 2020 due to MCO. | | | HQ, PPN Johor, PPN Pahang & JPL Sarawak |
| | 4.3.3 Preparation of quarterly work plans and progress and financial reports on activities at each site | Appointment of a Project Manager | quarterly work plans and progress and financial reports | Project manager is not possible to appoint due to the rules listed by BKP. Planning forward to appoint Consultant. | | | Ms. Vaani Muniandy |
| Training and Capacity Development | | | | | | | |
| Planned Attendance at Workshops/ Meetings | | | | | | | |
| TOTAL | | | | | | | |

Annex 4: Q3-2020

| Key Result Area | Related Target | Planned Activities(s) | Anticipated Deliverable/ Timeline | Status | Inputs/ Support Required | Agreed Follow-up | Action/ Person in charge |
|--|---|---|-----------------------------------|---|--|------------------|--------------------------|
| Component 1 | | | | | | | |
| Component 1. Identification and management of fisheries and critical habitat linkages at 3 priority fisheries refugia in Malaysia | | Conduct resource surveys at refugia site Site 2: Kuala Baram | | | <u>K. Baram:</u> Tnt : RM26,000 Enumerator: RM2000/month X 1 month: RM2,000 TOTAL: RM28,000 (USD 6,666.67) *1USD=4.2MYR | | Ms. Nurridan Abdul Han |
| 1.1 Developing fisheries and coastal habitat information and data collection programmes for (1) Tg. Leman, Johor | 1.1.4 Design and conduct fisheries surveys at the 2 sites and submit data to a national online database | *Due to MCO, the research activities will be brought forward from July until October 2020 | 1 survey reports | Need to conduct tiger prawn resource sampling at K. Baram site. | | | |
| Component 4 | | | | | | | |
| Component 4. National coordination for integrated fish stock and critical habitat management in Malaysia | | Incorporate in 4.2.1 | | | Meeting Package: RM17,000 (USD 4,047.62) | | HQ & FRI Kg. Acheh |
| 4.2 Harnessing national scientific and technical expertise and knowledge to inform policy, legal and institutional reforms for fisheries refugia | 4.2.2 Provision of technical and scientific inputs to planning of activities in components 1, 2 and 3 | Meeting NSTC National Scientific & Technical Working Group | 1 meeting report | Conducted on 2-3 September 2020 in Melaka | | | |
| 4.3 Catalyzing local community action via establishment and operation of site-based management boards at 2 priority refugia sites | 4.3.3 Preparation of quarterly work plans and progress and financial reports on activities at each site | Appointment of a Project Manager | | Project manager is not possible to appoint due to the rules listed by BKP. Planning forward to appoint Consultant 2021 onwards. | | | HQ |
| Training and Capacity Development | | | | | | | |
| Planned Attendance at Workshops/ Meetings | | | | | | | |
| TOTAL | | | | | RM45,000 (USD 10,714.29) | | |

Annex 4: Q4-2020

| Key Result Area | Related Target | Planned Activity(ies) | Anticipated Deliverable Timeline | Status | Inputs/ Support Required | Agreed Follow-up | Action/ Person in charge |
|---|--|--|---|--|--|-------------------|--|
| Component 1 | | | | | | | |
| Component 1. Identification and management of fisheries and critical habitat linkages at 3 priority fisheries refugia in Malaysia | 1.1.4 Design and conduct fisheries surveys at the 2 sites and submit data to a national online database | Conduct resource surveys at refugia site Site 2, Kuala Baram | 1 survey reports | Need to conduct tiger grass resource sampling at K. Baram site | K. Baram: Trt: RM10,000/month X 2 month: RM20,000.00 (until November 2020) | | Ms. Nurridan Abdul Han |
| | | | | | Enumerator: RM2000/month X 3 month: RM6,000 (until December 2020) | | |
| 1.1 Developing fisheries and coastal habitat information and data collection programmes for (1) Tg. Leman, Johor | | | | | TOTAL: RM 26,000 (USD 6,297.79) Marine experts/panels RM 10,000.00 (USD 2,466.84) | | |
| 1.2 Facilitating agreement among stakeholders on the boundaries of fisheries refugia at the (1) Tg. Leman, Johor and (2) Kuala Baram, Sarawak sites | 1.2.1 Conduct consultations (including at-sea) to draft maps of fisheries refugia for priority species | Conduct consultations at refugia site tentative date Nov-2020 Site 2 Kuala Baram | | | Consultations Package KUALA BARAM RM25,000 (USD 6,016.89) | | HQ & JPL Sarawak |
| | | | | | Consultations Package TANJUNG LEMAN RM16,709.54 (USD 4,021.79) TOTAL RM 41,709.54 USD 10,038.02 | | |
| 1.2.2 Prepare maps for 2 refugia and elicit fisherfolk input to boundary delineation through | | Incorporate 1.2.1 Site 2, Kuala Baram | | | | | Ms. Nurridan Abdul Han & JPL Sarawak |
| 1.4 Establishing operational management for the (1) Tg. Leman, Johor and (2) Kuala Baram, Sarawak sites | 1.4.2 Conduct practical capacity building programme for management volunteers at 2 sites | Incorporate in 1.3.2 Site 2, Kuala Baram | | | 'Will be held 2021 | Use national fund | HQ, JPL Sarawak, FRI Bintawa |
| Component 2 | | | | | | | |
| 2.6 Improving national-level management and sharing of information and data on fish early life history in Malaysia waters of the SCS | 2.6.1 Prepare a national inventory of fish egg and larvae samples collected from Malaysia waters (both analysed and unanalysed) | sampling and field work | | | | Use national fund | FRI Kg. Acheh & FRI Bintawa |
| | | | | | | | 2.6.2 Develop and maintain a national database of fish egg and larval fish distribution and abundance |
| 2.8 Strengthening the information base for the planning, monitoring, and evaluation of management | 2.8.1 Based on 1.1.4, produce detailed site characterizations for the 2 priority fisheries | 1 meeting Site based committee | 1 meeting report | K. Baram (End of Nov 2020) | | Use national fund | HQ, JPL Sarawak, FRI Bintawa |
| Component 3 | | | | | | | |
| Component 3: Information Management and Dissemination in support of national-level implementation of the fisheries refugia concept in Malaysia | 3.2.1 Produce locally appropriate public awareness and outreach materials to promote local, social, economic and environmental benefits of fisheries refugia | Prepare Poster & pamphlet | | | | | HQ, FRI Bintawa & JPL Sarawak |
| | | | | | | | 3.2 Improving community acceptance of area based approaches to marine management |
| 3.3 Knowledge generated and experiences from establishing and operating fisheries refugia captured and shared nationally, regionally, and globally | 3.3.1 Establish and operate national web portal for knowledge management on fisheries refugia | Website DOP | | | | National fund | HQ |
| Component 4 | | | | | | | |
| Component 4. National coordination for integrated fish stock and critical habitat management in Malaysia | 4.1.2 Establish and convene quarterly meetings of the National Fisheries Refugia Committee (NFRFC) | 1 Meeting NFRFC | Meeting report including participant list | | | | Meeting Package: RM10,000.00 (HQ) (USD 2,466.84) |
| | | | | | | | 4.1.3 NFRFC review and endorsement of quarterly work plans and progress and financial reports, including tracking of continuity of participation of stakeholders |
| 4.1 Strengthened cross-sectoral coordination in the establishment and operation of fisheries refugia in Malaysia | 4.1.4 NFRFC inputs to mid-term review and terminal evaluation of national and regional aspects of project | Translate reports and Meeting minutes | | | | | RM 2,500.00 (USD 601.72) HQ Ms. Nurashiqin |
| 4.2 Harnessing national scientific and technical expertise and knowledge to inform policy, legal and institutional reforms for fisheries refugia | 4.2.1 Establish and convene quarterly (3 monthly) meetings of the National Technical Working Group | Meeting National Technical Working Group - Meeting preparation of the workplan | 1 meeting report | Need to find suitable date on end of October/November 2020 in Perak for 2 days | | | Meeting Package: RM20,000 (FRIKA) (USD 4,932.67) Fee series |
| | | | | | | | 4.2.2 Provision of technical and scientific inputs to planning of activities in components 1, 2 and 3 |
| 4.3 Catalyzing local community action via establishment and operation of site-based management boards at 2 priority refugia sites | 4.3.2 Establish and convene quarterly meetings of site-based management boards | site-based management Committee | | | | | Meeting package: RM6,000 (JPLS MIRI) (USD 1,444.07) |
| | | | | | | | 4.3.3 Preparation of quarterly work plans and progress and financial records on activities at |
| Training and Capacity Development | | | | | | | |
| Planned Attendance at Workshops/ Meetings | | | | | | | |
| TOTAL | | | | | | | RM 161,209.54 (USD 38,900.00) |