



**PUBLIC SUMMARY
RECERTIFICATION AUDIT (3rd CYCLE) ON
TERENGGANU FOREST MANAGEMENT UNIT
FOR FOREST MANAGEMENT CERTIFICATION**

**Certificate Number: FMC 00115
Date of First Certification: 1st April 2010
Audit Date: 27th to 31st January 2019
Date of Public Summary: 25th April 2019**

Certification Body:

**SIRIM QAS International Sdn. Bhd.
Block 4, SIRIM Complex
No. 1, Persiaran Dato' Menteri
Section 2, 40700 Shah Alam
Selangor
MALAYSIA
Tel : 60-3-5544 6400/5544 6448
Fax : 60-3 5544 6763
Website: www.sirim-qas.com.my**

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EXECUTIVE SUMMARY

This re-certification audit on the Terengganu Forest Management Unit (hereafter referred as the Terengganu FMU) was conducted on 27th to 31st January 2019 to assess the continued compliance of the overall forest management system of the Terengganu FMU against the requirements of the *Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest)* [MC&I (Natural Forest)] using the verifiers stipulated for Peninsular Malaysia. The scope of this re-certification audit was limited to the forest management system and practices on the Permanent Reserved Forest (PRF) within the Terengganu FMU.

This re-certification audit was conducted by a 3-member team comprising of Mr Mohd Razman Salim (Lead Auditor), Dr. Mohd Nazre Saleh (Auditor), and Dr. Zahid Emby.

Based on the findings of this re-certification audit, it was found that Terengganu FMU had continued to comply with the requirements of the MC&I (Natural Forest). This re-certification audit had resulted in the issuance of one (1) and two (2), major and minor Non-Conformity Reports (NCRs), respectively. In addition, four (4) Observation for Improvements (OFIs) were raised.

This public summary contains the general information on the Terengganu FMU, the findings of the re-certification audit, NCRs raised as well as the decision on the continued certification of the FMU.

2 INTRODUCTIONS

2.1 Name of FMU

Terengganu Forest Management Unit

2.2 Contact Person and Address

Tuan Mohd Rahim Rani

Director

Terengganu State Forestry Department

Level 8, Wisma Negeri,

20200 Kuala Terengganu,

Terengganu

Phone # : 09 6222 444

Fax # : 09 6236 552

Email : rahim@forestry.gov.my

2.3 General Background on the Terengganu FMU

The Terengganu FMU is managed by the Terengganu State Forestry Department (TSFD). The TSFD is committed in the management of the FMU on a sustainable basis. The administration of the FMU is divided into (number) forest districts namely the Terengganu Utara, Terengganu Selatan and Terengganu Barat Forest Districts.

The inland forest is managed under a Selective Management System (SMS) on a 25 to 30-year rotation period. Under the Eleventh Malaysia Plan (2016-2020), the Annual Allowable Cut (AAC) for the Terengganu FMU had been set at 6388 ha. A Forest Management Plan (FMP) covering the period from 2016 to 2025 had been presented during the audit.

During this re-certification audit, the Terengganu FMU has decreased in size from 544,883.38 ha to 540,308.80 ha following the degazettement in total of 5039.38 ha of the PRF, despite of the new gazettement of 464.80 ha. The FMU currently comprises of 540,308.80 ha of PRF or 41.6 % of the State's total land area of 1,297,400.00 ha. The PRFs within the FMU consist mainly of inland Dipterocarp forests covering an area of 509,508.15 ha with the remaining PRFs covering 25,931.10 ha of peat swamp forests and 1,036.55 ha of mangrove forests.

A map of the FMU showing the significant features of the forest is attached in **Attachment 1**.

2.4 Date First Certified

1st April 2010

2.5 Location of the FMU

The FMU is located between 3° 52' 51.1" N, 102° 32' 09.3" E and 5° 50' 45.5" N, 103° 18' 39.7" E.

2.6 Forest Management System

The FMU had followed the principles of sustainable forest management (SFM) and the requirements of the Licence Agreement of the State government. A Forest Management Plan (FMP) 2016 to 2025 was presented during this audit.

2.7 Annual Allowable Cut/Annual Harvest under the Forest Management Plan

For the Eleventh Malaysia Plan (2016-2020), the annual allowable cut (AAC) for the FMU had been set at 6,388.00 ha. During this re-certification audit, the size of the FMU is 540,308.80 ha.

2.8 Environmental and Socioeconomic Context

A Macro Environmental Impact Assessment (MEIA) of Forest Harvesting for Terengganu FMU dated 18/11/2009 was presented at the audit. Potential impacts from logging operations and measures for monitoring impacts were described in Chapter 5 of the MEIA. It was based on TSFD activities including Pre-Harvest phase, Forest Harvesting phase and Post Harvesting phase. Whilst, Chapter 6 of the MEIA described the mitigation measures to reduce the impacts. The MEIA report also contains a list of endangered, rare and threatened (ERT) species found in the FMU. Measures and recommendations from the MEIA report to mitigate the impact of forestry operations on ERT were incorporated in the Mid Term Review of the current FMP (2016-2025). In the Central Forest Spine (CFS) Programme, several biological corridors were planned within the Terengganu FMU to conserve habitat and facilitate wildlife movement.

There were no indigenous people reserves found in the FMU. They live outside of the Terengganu FMU (i.e. in the stateland). The customary rights of the Orang Asli were respected in forest management planning and implementation. As verified during this audit, there was no land claims on certified PRF areas. TSFD had carried out impact assessments (social, environmental, economic) of the surrounding areas prior to, during and after harvesting, and in the PRFs adjacent to local and indigenous communities. Actions were taken to prevent or mitigate any adverse impacts found.

3. AUDIT PROCESS

3.1 Audit Dates

27 to 31 January 2019 (18 man-days)

3.2 Audit Team

Mohd Razman Salim (Lead Auditor)
Dr. Mohd Nazre Saleh (Forester)
Dr. Zahid Emby (Sociologist)

The details on the experiences and qualifications of the audit team members are as in **Attachment 2**.

3.3 Standard Used

The Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest) [MC&I (Natural Forest)] using the verifiers stipulated for Peninsular Malaysia.

3.4 Stakeholder Consultations

A one-month stakeholder consultation was conducted in December 2018 to solicit feedback from stakeholders on the compliance of the Terengganu FMU against the requirements of the MC&I (Natural Forest). The comments by the stakeholders and responses by the audit team are shown in **Attachment 3**.

3.5 Audit Process

The audit was conducted primarily to evaluate the level of continued compliance of the Terengganu FMU's current documentation and field practices in forest management with the detailed of the standard of performances (SOPs) listed in the MC&I (Natural Forest), using the verifiers stipulated for Peninsular Malaysia.

For each Indicator, the auditors had conducted either a documentation review, consultation with the relevant personnel of the FMU, local community or stakeholders or field audit or a combination of these methods. Depending on the compliance with the verifiers for a particular indicator, the auditors then decided on the degree of the FMU's overall compliance with the indicator and decided whether or not to issue a major or minor NCR or an OFI which is defined as follows:

- (i) a major NCR is a non-compliance with the requirements of the MC&I (Natural Forest);
- (ii) a minor NCR is a deviation or a lapse in complying with the requirements of the MC&I (Natural Forest); and
- (iii) an OFI is a situation where the auditor has noted an area of concern on the capability of the forest management system to achieve conformance to the requirements of the MC&I (Natural Forest) but without sufficient objective evidence to support a non-conformance.

Consultations were held with the head of village and MPKK from Kg. Orang Asli Sungai Sayap, MPKK Kg. Keruak (Felcra), MPKK Kg. Bekok, MPKK Kg. Batu 13, MPKK Kg. Sg. Berua, MPKK Sekayu, MPKK Basong, MPKK Kg. Pasir, MPKK Felda Cherul 1, MPKK Felda Cherul 2, MPKK Teladas, and MPKK Kg. Air Puteh. The audit team had also held meetings with the officers of the PERHILITAN, Department of Environment (DOE), JAKOA Officer and Kesatuan KPHHM Malaysia Barat.

The coverage of this recertification audit is as shown in the recertification Audit Plan in **Attachment 4**.

The Terengganu SFD had sent a corrective action plan to the audit team to address the major and minor NCRs which the audit team had reviewed and accepted them. The audit team had prepared an interim recertification audit report and sent it to the Terengganu SFD for comment. A second draft recertification audit report which had incorporated the comments received from the Terengganu SFD was then prepared and sent to two peer reviewers for independent reviewing. A final recertification audit was prepared after incorporated the comments from peer reviewers.

4 SUMMARY OF AUDIT FINDINGS

Based on the findings of this recertification audit, it was found that the Terengganu SFD had continued to manage the Terengganu FMU in compliance with most of the requirements of the MC&I (Natural Forest). This re-certification had resulted in the issuance of one (1) major, two (2) minor NCRs and four (4) OFIs. The details on the NCRs/OFIs raised are shown in **Attachment 5**.

The audit team had reviewed, accepted and verified the corrective actions taken by the Terengganu SFD to address the one (1) major NCR raised during this recertification audit. The audit team was satisfied that the corrective action had been effectively implemented and had therefore closed out this major NCR. The audit team had also reviewed and accepted the Terengganu SFD's proposed corrective actions to address the two (2) minor NCRs. However, these corrective actions shall be verified by the audit team during the next audit.

The audit team had also verified on the corrective actions taken by the Terengganu SFD to address the six (6) Major and three (3) Minor NCRs which were raised during the previous audit. The responses made by the audit team leader on these corrective actions and on the final status of the NCRs are as in **Attachment 6**.

On indigenous peoples' rights, there were mechanisms in place to resolve disputes over tenure and use rights through meetings held with the Department of Orang Asli Development or Jabatan Kemajuan Orang Asli (JAKOA). It was observed that there was no recorded civil court case pertaining to legal or customary tenure or use rights filed against the Terengganu SFD.

With regard to Criterion 6.10, the PRF was degazetted involving a total area of 5039.38 ha to forest plantations or other non-forest land uses. Nevertheless, a new gazettelement (464.80 ha) had also occurred during the intervening period since the last audit. The PRF in the Terengganu FMU has therefore decreased in size from 544,883.38 ha to 540,308.80 ha.

As the major NCR raised during this recertification audit had been closed out, the audit team had therefore recommended that the Certificate for Forest Management be awarded to the **Terengganu State Forestry Department (Terengganu SFD)**.

The summary on the findings of the re-certification audit on the Terengganu FMU against the requirements of the MC&I (Natural Forest) are as follows:

Principle	Strengths	Weaknesses
Principle 1 Compliance with Laws and Principles	<p>Documents pertaining to federal and state laws, regulations and policies were well-kept and easily accessed by the staff. The forest managers of various units were found to have good knowledge of relevant laws related to state and federal laws, procedures, policies and regulation with regards to forest management operation including the binding international agreements. These include United Nations Declaration on Rights of Indigenous Peoples 2007, ILO Convention No. 87 – The Freedom of Association and Protection of the Right to Organise 1948, Convention No. 98 - Right to organise and collective bargaining Convention 1949 and Convention no 111- Discrimination (Employment and Occupation)1958.</p> <p>Two systems (SIMP: <i>Sistem Integrasi Maklumat Perhutanan</i>; T-ifms: Sistem Maklumat Pengurusan Hutan Bersepadu) were used by the TSFD to manage all information concerning fees, royalties, taxes and other charges collected.</p> <p>Control of encroachment, illegal harvesting, hunting, and settlement and other unauthorised activities in the FMU were found adequate. Signboards such as PRF, licensee's signage, boundary and demarcation of buffer zone were available.</p> <p>TSFD commitment towards MC&I was translated into a policy statement which made available at the office and website at http://trgforestry.terengganu.gov.my/index.php?option=com_content&view=article&id=60&Itemid=311&lang=my</p> <p>Relevant policies were effectively communicated throughout the organization based on the interviews session with the staff in the headquarter and district offices. This includes safety and environment policy which was also displayed at the logging camp.</p>	Nil
Principle 2 Tenure and Use Rights and Responsibilities	<p>The documentation of legal status and established forest use rights of the land or forest resources within the relevant federal, state and local laws was available, documented and controlled accordingly. Latest gazettment of the new PRFs was recorded in "Borang UH-2: Maklumat Pewartaan Hutan Simpan Kekal Sehingga 30 Sept 2017".</p> <p>Although the non-Orang Asli members of local communities were only have legal tenure rights on</p>	Nil

Principle	Strengths	Weaknesses
	<p>state land, TSFD still allowed the neighbouring local communities to collect minor/non timber forest products from the PRFs for their daily home use. The TSFD had also ensured that water catchment areas and sources of water supply for local communities were not disturbed.</p> <p>Various mechanisms were established by TSFD for resolving disputes over tenure and use rights although dispute over tenure and use rights of PRFs in Terengganu was never been occurred since the PRF is owned by the state government.</p> <p>Few bodies were established by the state government which also represented by the TSFD to monitor and handle grievances and disputes related to tenure and use rights in the state (including the PRFs). These include the MPPK (Village Development Coordination Council), Pejabat Penghulu (Sub-district Chief Office), Jawatankuasa Tindakan Pembangunan Daerah (District Development Action Committee), Majlis Bersama JAKOA-JPSM (Department of Orang Asli Development – Peninsular Malaysia Forestry Department Consultative Council) and Majlis Mesyuarat Kerajaan (State Executive Council).</p>	
Principle 3 Indigenous People's Rights	<p>Various mechanisms were established by TSFD for resolving disputes over tenure and use rights relevant to indigenous people's right. This includes the <i>Majlis Bersama JAKOA-JPSM</i> (Department of Orang Asli Development – Peninsular Malaysia Forestry Department Consultative Council) and <i>Form E/SIA</i> for monitoring disputes, grievances and complaints emanating from local and Orang Asli communities (conducted before, during and after logging operation) as well as <i>Borang Makluman Aduan Pelanggan</i> (Customers' Complaint Form) which made accessible to the public.</p> <p>TSFD had carried out an impact assessment (social, environmental, economic) of the surrounding areas prior to, during and after harvesting in the PRFs adjacent to local and indigenous communities. Procedures for identifying and protecting sites of special cultural, ecological, economic or religious significance to aborigines were established.</p> <p>A mechanism in the form of a flow chart entitled "<i>Mekanisma Bayaran Pampasan Kepada Hak Pengetahuan Tradisi Orang Asli yang Dikomersilkan oleh Jabatan Perhutanan</i>" (Mechanism for Payment of Compensation to the Rights of Orang Asli Traditional Knowledge Commercialised by the Forestry Department) was established.</p>	<p>But no elaboration of the various steps stated in the chart (OFI).</p>

Principle	Strengths	Weaknesses
<p>Principle 4 Community Relations and Workers' Rights</p>	<p>Training facilities are available at the TSFD's Training Center located in Chalok and Hulu Terengganu (<i>Pusat Latihan Perhutanan Chalok and Pusat Latihan Perhutanan Terengganu</i>) for the employees and logging contractors as well as their workers.</p> <p>Local people were given preference for employment by the logging contractors or licensees.</p> <p>Safety policies and procedures including current legislation and/or regulations were displayed at the worker temporary camp site. Safety equipment (PPE) were found in good conditions and stored in a safe area with proper safety signage. Medical kits (oral medicated pills etc.) was available in an active harvesting area and stored in a separated and labelled box.</p> <p>Container of liquid and solid non-organic wastes were labelled, genset area observed was free of any oil spillage onto the soil, and safety signage at the workshop was clearly displayed.</p> <p>The TSFD staffs were covered under the Congress of Union of Employees in the Public and Civil Services (CEUPACS) and "Kesatuan Pegawai-Pegawai Hutan Melayu Semenanjung Malaysia" (Association of Uniformed Staff) whom responsible for protecting the welfare of uniformed workers thorough collectively bargaining with the TSFD management for the workers right and benefits.</p> <p>The TSFD staffs were also covered by the Employees' Provident Fund (EPF) Social Security Protection Scheme (SOC SO). Whilst, the contractor's workers were covered by insurance under the MPI Generali Insurance Berhad. Procedures to address grievances raised by workers and/or their organizations, and for conflict resolution are available.</p> <p>Social impact of forest operations on indigenous and local communities were evaluated through a number of ways including consultations with the community leaders/members using Form E (Social Impact Assessment Form). The data collected were analysed to identify potential impacts prior to harvesting, during harvesting and after harvesting where actions were taken to prevent or mitigate the impact. The results were then incorporated into the planning and management of the TSFD's FMU.</p> <p>There were sufficient regulations and provisions within relevant federal, state and local legal frameworks to prevent loss or damage affecting the local people's legal or customary rights, property, resources, or their livelihoods, caused by forest operations. These included:</p>	<p>An air-compressor [Serial No. 0080515-RIN-NIM] was found without record and Certificate of Fitness. (Major NCR MRS01/2019)</p> <p>OFI was raised because Form E was not used in conducting the social impact assessment.</p>

Principle	Strengths	Weaknesses
	<ul style="list-style-type: none"> Articles 8 and Article 13 of the Federal Constitution of Malaysia, Aboriginal Peoples Act 1954 (Revised 1974) Human Rights Commission of Malaysia Act, 1999. 	
Principle 5 Benefits from the Forest	<p>Investments and reinvestments have been made in forest management by TSFD in 2018 on expenditures for infrastructure/ building maintenance, recreation areas improvements and also for staff salary and remuneration. Other funds or expenditures allocated include the "<i>Kumpulan Wang Pembangunan Hutan (KWPH)</i>" for forest conservation and protection, HCVF, Phenology plots, VJR and establishment of non-timber forest products.</p> <p>In 2018, the TSFD had conducted a pre-felling inventories for 25 compartments in various forest reserve which covered a total area of 2,905.7 ha.</p> <p>To encourage the optimal use of forest resources, the TSFD had included the non-timber forest products (NTFPs) in one of its development programmes aimed at collating data for the management of these resources.</p> <p>About 324 mills of industrial wood-based sector with majority of furniture making and sawn timber production were recorded.</p> <p>The TSFD had used the Guidelines of Reduce Impact Logging in Peninsular Malaysia 2003, and Guidelines for Forest Roads 2010 (Amendment 2013) and Forest Harvesting Plan to minimise damage to residual stand. A ceiling was imposed to control volume extraction where 85 m³/ha was set for primary forests (tagged tree after Pre-F inventory analysis) and net at 61 m³/ha for subsequent rotations of secondary forests to fully utilize of timber resources with minimal wastages. In addition, a proper felling direction was applied to reduce damage of trees stand around buffer zones, mother trees and protected trees. Training on Reduced Impact Logging (i) directional felling, (ii) tree tagging and directional felling courses were conducted on 16-17 January 2019 for both staff and contractor's employees.</p> <p>The TSFD had fostered a diversified economy based on NTFPs production, 'recreational forests' within the FMU, and management of recreational forest by local contractor for entrance fee collection, cleaning and safety control.</p> <p>Procedures for identifying and demarcating of sensitive areas for the protection of soil and water were in place. The TSFD has established a total of 61,375.58 ha of Water Catchment areas and</p>	<p>There was no Post-F inventory being conducted since previous audit. The Post-F inventory will only be conducted once within 2-5 years after closing of active logging area.</p> <p>However, there was no license issued for the extraction of the NTFPs since the recertification audit in 2015.</p> <p>There was no issuance of NTFPs license since the last recertification audit in 2015.</p>

Principle	Strengths	Weaknesses
	<p>66,824.99 ha of Protection Forests in Terengganu FMU. Both areas were demarcated, mapped and managed according to the Guidelines for Catchment Forests (2010).</p> <p>Harvesting rates in Terengganu FMU were determined by the annual allowable cut (AAC) set in the FMP and in the 11th Malaysia Plan for the amount of 6,388 ha a year or a total of 31,940 ha over the five-year duration as stated in the plan (2016-2020).</p>	<p>Due to backlog of pending licenses and upon request, the TSFD was given an approval by the Director General of Forestry Peninsular Malaysia for adjustments to the AAC for year 2016, 2017 and 2018 to 7,388 ha, 7,388 ha and 4,388 ha, respectively.</p>
<p>Principle 6 Environmental Impact</p>	<p>A Macro Environmental Impact Assessment (MEIA) of Forest Harvesting for Terengganu FMU dated 18/11/2009 is available where potential impacts and mitigation measures were described. Several recommendations proposed in the Macro EIA had been implemented. Measures to mitigate impact of forestry operations on ERT and recommendations from the MEIA report were incorporated in the Mid Term Review of the current FMP (2016-2025).</p> <p>The TSFD is an important and active working committee members of the Central Forest Spine (CFS) Programme (<i>Jawatankuasa Kerja CFS</i>). Thus, several biological corridors were planned within the Terengganu FMU to conserve habitats and facilitate wildlife movements.</p> <p>As of December 2016, about 23.5% (128,200.57 ha) of the total PRF in Terengganu FMU had been set aside for protection and conservation purposes. Information on features of special biological interest such as salt licks, nesting and feeding areas in the FMU were recorded and updated accordingly.</p> <p>The TSFD had established collaboration with PERHILITAN on the conservation of wildlife in Terengganu FMU. PERHILITAN was invited to give a briefing (<i>taklimat lesen</i>) to licensee, contractor and forest workers on prohibition of inappropriate activities with regards to fauna. PERHILITAN and TSFD had been cooperated in monitoring, CFS programme, viaduct project and training activities since 2015. The PERHILITAN officers will be informed on any approval of the new licensee particularly for areas that sharing a common boundary with the Wildlife Reserve. Posters of ERT and "No hunting" was posted at the District Forest and Ranger Offices as well as at the logging camps.</p> <p>The Terengganu FMU had included the Central Forest Spine (CFS) network in its management system as stated in the FMP (2016-2025), as well as the primary and secondary wildlife corridors. These corridors were protected from any intervention including forest harvesting</p>	

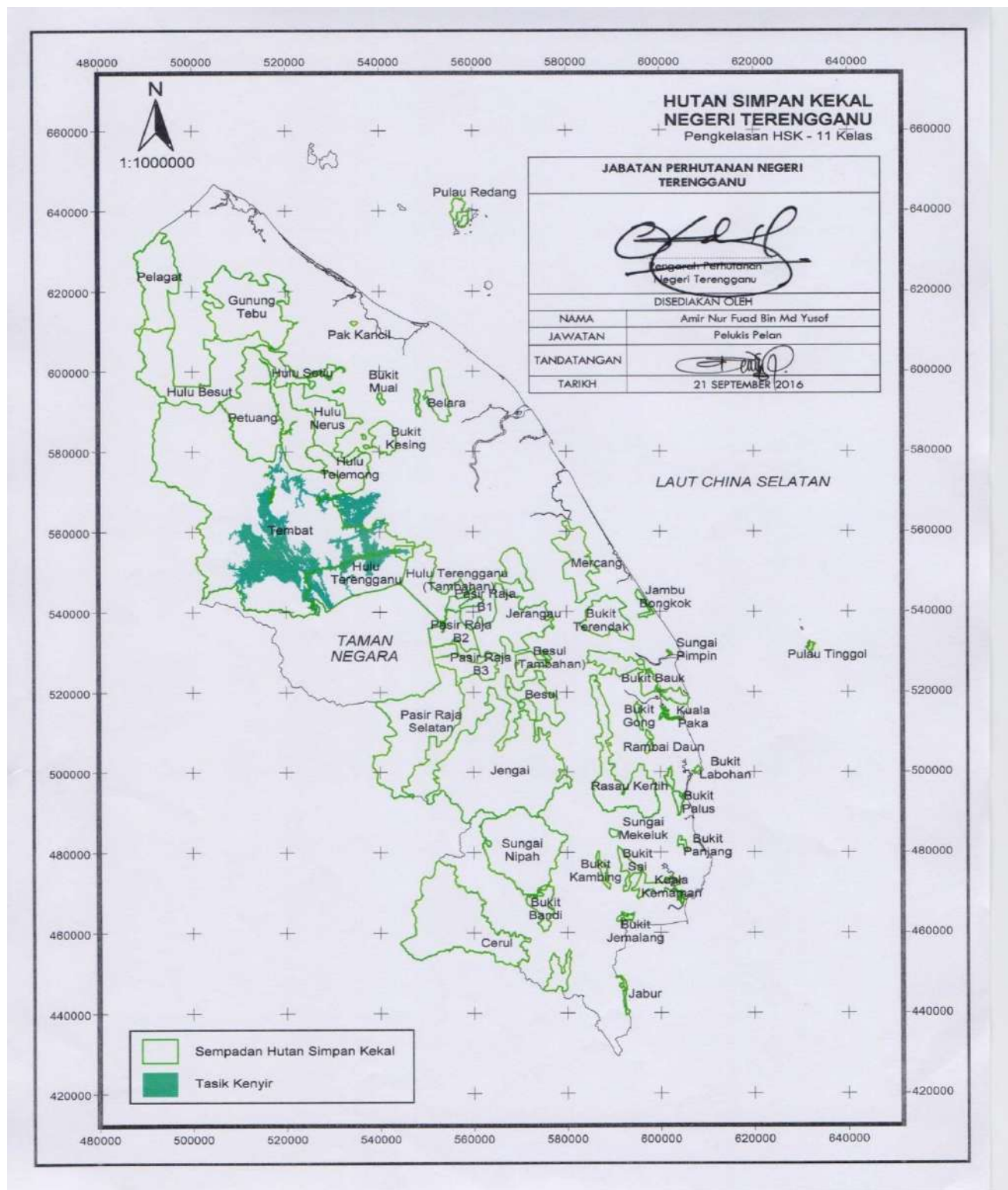
Principle	Strengths	Weaknesses
	<p>Although production forests, comprising the largest category in the FMU, specific areas were conserved as Virgin Jungle Reserves (VJRs) to preserve the pristine state of the original vegetation and environment of the forest in the area. Stand growth and floristic composition in the VJR were subjected to periodic inventory and monitoring. The full list of VJRs in the Terengganu FMU had been individual records and mapped in the Mid Term Review of FMP (2016 -2025). A total of 12 VJRs were established and gazetted by the Government of Terengganu in March 2017 covering a total area of 4,055.61 ha and 11% or 61,375.58 ha as catchment forest within the Terengganu FMU.</p> <p>At the few active harvesting areas, RIL technique and Log-Fisher were used to minimise the soil compaction by the harvesting machine and erosion during harvesting operations. Construction of access roads and skid trails, protection of stream, buffer zone and felling of tagged tree had followed the <i>Guidelines for forest road (Amendment 2013)</i>. Whilst, Log-Fisher trail were constructed as per '<i>Garis Panduan Penggunaan Jentera Log Fisher Dalam Pengusahaan Hutan Darat Asli Dalam Hutan Simpanan Kekal</i>'.</p> <p>The nursery did not use any chemical pesticides or herbicides in accordance with the TSFD's Policy on Environmentally Friendly Non-Chemical Method of Pest Management. Policy and guidelines on chemical handling were kept handy at the nursery and instructive posters on safe handling procedures were well displayed. There was a store with separate space for fertilizer and equipment. The solid non-organic wastes were stored and placed at a designated location. Used engine oil were either re-used for lubricating the chain saws or sent to the nearest workshop in town for recycle.</p> <p>There was no evidence on use of Genetically Modified Organisms and biological control agents within the TSFD's FMU. Also, there was no application of exotic tree species for replanting program.</p> <p>The total degazettement and conversion of the Terengganu FMU from 1 July 2012 to 31 December 2018 was 27,292.07 ha. The degazettement and conversion area did not exceed the 5.0% of the total certified area of 544,883.38 ha (based on the initial hectareage of the PRFs in 2016). Also, did not include any High Conservation Value Forest (HCVF).</p>	
Principle 7 Management Plan	The latest version of the Terengganu FMU Forest Management Plan (2016-2025) contains eight chapters following the standard FMP of Forestry	The provision on the plans for the identification and protection of RTE species was

Principle	Strengths	Weaknesses
	<p>Department of Peninsular Malaysia. TSFD had continuously collected new information to be incorporated in the revision and mid-term review of the FMP scheduled in 2020.</p> <p>Training by PERHILITAN was done on 18 and 19 July 2018 to enhance the wildlife identification skill of the TSFD staff. TSFD's <i>Unit Latihan</i> is responsible for planning, evaluating and implementing various kind of training including competency examinations for the department. Few training facilities are available including <i>Pusat Latihan Perhutanan Kuala Berang</i> and <i>Terengganu Eco-Parks</i> which located within the FMU. Training for all officers and staffs is scheduled in the annual training programme for year 2019 titled '<i>Jadual Kursus dan Latihan Jabatan Perhutanan Negeri Terengganu Tahun 2019</i>'.</p> <p>Various training relevant to RIL, machine handling, MC&I, wildlife, directional felling, forest fire and etc. were conducted in 2018 and January 2019.</p> <p>A summary of primary elements of FMP is publicly available on the TSFD official website at http://trgforestry.terengganu.gov.my/index.php?option=com_content&view=article&id=365&Itemid=262&lang=my</p>	<p>incomplete and unavailable in the FMP. The scientific and local name of many species in Chapter 3.4 [<i>Kepelbagaian Biologi</i>] were incorrectly written (Minor NCR MNS 02-19).</p> <p>Training program on Scheduled Waste Management was not included in the '<i>Jadual Kursus dan Latihan Jabatan Perhutanan Negeri Terengganu Tahun 2019</i>' (OFI).</p>
Principle 8 Monitoring and Assessment	<p>TSFD follows the regulatory monitoring procedure as per Director Generals of Forestry Department of Peninsular Malaysia (FDPM) Directive on the use of monitoring forms A-D, and E, SIA form (social impact assessment before, during and after harvesting activities), and Standard Operating Procedure for <i>Pengawalan Pengusahahasilan Hutan</i> (Monitoring in Forest Production activities) in the FMU.</p> <p>Two computerized systems were used; SIMP (<i>Sistem Integrasi Maklumat Perhutanan</i>) and T-ifms (<i>Sistem Maklumat Pengurusan Hutan Bersepadu</i>) to keep track on all activities, inventories data, information on forest yield and payments received related to management of the FMU.</p> <p>Data on forest monitoring on the growth rate, regeneration and condition of the forest was gathered by the establishment of growth plots, phenology plots and VJR/ecology plots. Growth plots data was maintained and monitor regularly by the FDPM officers.</p> <p>Changes on the composition of flora in the Terengganu FMU were monitored through growth and VJR/ecology plots. TSFD works closely with PERHILITAN and Forest Research Institute of Malaysia (FRIM) for data and information collection.</p> <p>Macro EIA which was conducted prior to the logging</p>	<p>The monitoring of storage and disposal of scheduled waste was found ineffectively implemented. (Minor NCR MRS 02 2019)</p>

Principle	Strengths	Weaknesses
	<p>operation in the FMU has outlined several mitigation measures to reduce the impact to the environment. A Standard Operating Procedure on <i>Pengawasan Pengusahahasilan Hutan</i> (Monitoring of Forest Production Activities) and the implementation of RIL were to minimize the impact of logging operations on the environment.</p> <p>A financial status of TSFD is published annually and publicly available at http://trgforestry.terengganu.gov.my/index.php?option=com_content&view=article&id=268&Itemid=386&lang=my</p> <p>At the operational level, the SIMP system will record all the revenue and cost of the FMU while guided by the financial planning in the FMP and annual state government allocation.</p> <p>Trees to be felled were tags and recorded in the log book of '<i>Borang Penandaan Pokok (Pokok Tebangan, Pokok Ibu dan Pokok Perlindungan)</i>'. Once felled, the tree is recorded in "<i>Buku Penandaan Pokok dan Kawalan Pengeluaran Kayu</i>" at the forest checking station.</p> <p>Results and findings of the monitoring activities were recorded and will be incorporated in the next mid-term review of the Forest Management Plan 2016-2025.</p> <p>Summary of the results of the monitoring indicators, including those listed in Criterion 8.2 is available online http://trgforestry.terengganu.gov.my/index.php?option=com_content&view=category&id=11&Itemid=252&lang=my</p>	
<p>Principle 9 Maintenance of High Conservation Values</p>	<p>Determination on the presence of HCV attributes in Terengganu FMU is guided by the document issued by the Forestry Department Peninsular Malaysia (FDPM) entitled "<i>Panduan Penentuan, Penubuhan dan Pengurusan Kawasan Hutan Mempunyai Nilai Pemeliharaan Yang Tinggi (HCVF) Dalam Hutan Simpanan Kekal (HSK) Di Semenanjung Malaysia</i>". The Forest Management Plan (2016-2025) of TSFD had clearly described the selection of HCVF areas was based on previous records of flora and fauna, scientific expeditions and research.</p> <p>Measures to demarcate, maintain and/or enhance the HCVF attributes were documented in the FMP (2016-2025). The summary of the management plan for HCV areas is publicly available at http://trgforestry.terengganu.gov.my/index.php?option=com_content&view=article&id=365&Itemid=262&lang=my</p>	<p>The FMU has yet to conduct stakeholder consultation on HCVFs area for 2019 (OFI)</p>

Principle	Strengths	Weaknesses
	<p>The monitoring activities of the HCVF in Terengganu FMU was done by the Silviculture and Forest Protection Unit. The work was based on the annual schedule for year 2018 and 2019 monitoring and maintenance activities of all the HCVF in Terengganu FMU as SOP outlined in the <i>Pekeliling Ketua Pengarah Perhutanan Bil. 8 Tahun 2015 – Panduan Penubuhan dan Pengurusan Hutan yang Mempunyai Nilai Pemuliharaan Tinggi dalam Hutan Simpan Kekal di Semenanjung Malaysia</i>. Results of the HCVFs monitoring and maintenance will be incorporated in the next mid-term review of FMP in 2020.</p>	

Map of Terengganu FMU



Details of the Auditors and their Qualification

Assessment Team	Role/Area of MC&I Requirement	Qualification and Experience
Mohd Razman Salim	Lead Auditor/Forester	<p>Academic Qualification: B.Sc of Forestry (Forest Production), University Putra Malaysia.</p> <p>Work Experience: Five years experienced as Research Officer at the Forest Research Institute Malaysia (FRIM) since 2007 in a various area such as ecological research for lowland and hill dipterocarp forest, Geographic Information Systems, forest inventories, forest harvesting and forest management system (SMS). Participate in organizing committee member, division level activities and projects. Coordinate and collaborate a long term ecological plot and inventory data about 25 years at the Pasoh, Negeri Sembilan with Negeri Sembilan Forestry Department, universities (local & international) and NGOs. Published and presented research findings at the seminars and conferences. Currently as Auditor at the Food, Agriculture and Forestry Section (FAF), SIRIM QAS International Sdn Bhd, since 2013. Involved in conducting assessments on forest management certification MC&I (Natural Forest) & MC&I (Plantations), MYNI of RSPO P&C and other management systems on ISO 9001, 14001 and OHSA 18001</p> <p>Training / Research Areas: Was attending and pass in the following training programmes:</p> <ul style="list-style-type: none"> • Lead Assessor Course on Malaysian Criteria and Indicators for Forest Management Certification MC&I (Natural Forest)] & MC&I (Plantations) organized by MTCC, 1- 4 December 2013. • QMS 9001: 2008 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 4-8 March 2013. • OHSAS 18001: 2007 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 11-15 March 2013. • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 18-22 March 2013.
Mohd Nazre Saleh	Assessment Team Member/Forester	<p>Academic Qualification: <i>Diploma in Forestry, UPM</i> <i>B. Sc. Conservation Biology & Ecology (UKM)</i> <i>MSc. Botany (UKM)</i> <i>PhD. Botany (Edinburgh)</i></p> <p>Work Experience: One year as Research Assistant in WWF-Malaysia in the year from 1999-2000. Become an academic staff in Faculty of Forestry, Universiti Putra Malaysia (UPM), Serdang Selangor from 2000 to present (16 years), starting as a tutor promoted as Senior Lecturer in 2009, and currently as an Associate Professor since 2013. Main responsibility is teaching the undergraduates in the subject of</p>

		<p>Dendrology, Forest Ecology and Ethnobotany, and Forest Dynamics for postgraduate students. Main research subjects are botany, forest ecology and, forest conservation and management done by supervising both undergraduate and postgraduate (Master/PhD) students funded by local and international grants. Appointed as Head of Department since 2010 for Department of Forest Production (2010-2012) and Department of Forest Management (2013-present). Has sat in many committees for university and ministry (national) related to forestry subjects such as Mangrove Conservation, Forest Management, Forest Protection and Forest Plantation. Published more than 50 articles in local and international book, journals, chapters in books, conference proceeding and technical reports. Attended and presented in many workshops, conferences, seminars held at both local and international levels.</p> <p>Training / Research Areas: Attended and pass the following training programmes:</p> <ul style="list-style-type: none"> • Auditor Training Course on MC& I (Natural Forest) and MC&I (Forest Plantation V2) (SIRIM QAS Sdn. Bhd), 9th-10th July 2015. • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 18th – 22nd July 2016. • Forest Management Certification (FMC) Workshop, SIRIM Bhd, 6th –7th December 2016 • Training on Auditing Techniques (SIRIM QAS Int. Sdn. Bhd), 26th January 2016.
Dr. Emby	Zahid Assessor / workers & community issues and related legal issues	<ul style="list-style-type: none"> • 1977- 1992 – Lecturer, Department of Social Sciences, Faculty of Educational Services, Universiti Pertanian Malaysia • Head, August 1992 – 1994, Department of Social Development Studies, Universiti Pertanian Malaysia • August 1, 1998 -2001. Reappointed as Head of the renamed Department of Social and Development Science for a three year term • Head, Department of Music from October 2003 until his retirement on December 17, 2006 • Spent some time as a visiting scholar at University of Hull, U.K. and Victoria University of Wellington, New Zealand. • Freelance consultant on social issues

Comments Received from Stakeholders and Responses by Audit Team Leader

No.	Stakeholder	Comments/Issues Raised	Response by Audit Team
1	Pengerusi MPKK Kg. Gerdong	Bagi kami kawasan Bukit Kapal di kampung Gerdong hendaklah dihindarkan dari sebarang pembalakan dan juga aktiviti-aktiviti pemburuan kerana ianya berpotensi untuk dijadikan kawasan pelancongan dengan adanya batu Kapal yang tersergam indah.	Lokasi Bukit Batu Kapal berada dalam kawasan Tana Kerajaan di Daerah Hulu Terengganu. Aktiviti-aktiviti pembangunan yang melibatkan pembukaan tanah di kawasan ini tidak berada dalam kawasan Jabatan Perhutanan Negeri Terengganu secara langsung namun atas faktor lokasi ini yang berpotensi untuk dijadikan sebagai kawasan pelancongan. Pihak jabatan tidak berhasrat menyokong mana-mana permohonan yang melibatkan aktiviti pembalakan di lokasi tersebut.
2	Department of Safety and Health, Terengganu	Mohon pihak FMU Terengganu untuk terus meningkatkan kerjasama dan komunikasi dengan pihak jabatan kami.	Jabatan Perhutanan Negeri Terengganu dengan kerjasama Jabatan Keselamatan & Kesihatan Pekerjaan Negeri Terengganu telah merangka modul kursus/latihan yang bersesuaian dalam sektor perhutanan kepada pegawai dan kakitangan jabatan dan kursus/ latihan ini dilaksanakan sekurang-kurangnya sekali setahun yang melibatkan bidang keselamatan dan kesihatan pekerjaan. Seain itu, pihak JKPP sering dilibatkan dalam memberikan taklimat dan info berhubung keselamatan dan kesihatan pekerjaan kepada kakitangan jabatan dan pekerja-pekerja hutan semasa aktiviti taklimat pengusahasilan diadakan.
3	Jabatan Perancangan Bandar dan Desa Negeri Terengganu	<p>Merujuk kepada kriteria isu-isu diperingkat jabatan bagi aspek perlindungan alam sekitar dan pemuliharaan kepelbagaian biologi, jabatan sentiasa peka akan pembangunan yang tertak dalam Kawasan Sensitif Alam Sekitar (KSAS) terutamanya yang melibatkan Hutan Simpan kekal yang telah diwartakan.</p> <p>Jabatan Perhutanan Negeri Terengganu adalah Jabatan teknikal terpenting yang akan dirujuk oleh Jabatan semasa penyediaan Rancangan Struktur Negeri Terengganu (RSN) 2050 (Kajian Semula) dan Rancangan Tempatan Daerah (RTD). Jabatan Perhutanan Negeri Terengganu juga merupakan Ahli Jawatankuasa Penyelarasan Teknikal bagi kajian RTD dan Ahli Jawatankuasa Pemandu untuk kajian RSN. Input daripada Jabatan Perhutanan negeri Terengganu akan digunakan oleh Jabatan dalam menggubal dasar perancangan dan pembangunan</p>	Jabatan Perhutanan Negeri Terengganu sering memainkan peranan secara aktif dalam menyalurkan maklumat berkongsi pandangan dan memberikan ulasan teknikal dalam penetapan kawasan-kawasan KSAS yang melibatkan HSK oleh pihak PlanMalaysia, Rancangan Struktur Negeri Terengganu (RSN) 2050 (Kajian Semula), Rancangan- Rancangan Tempatan Daerah (RTD) dan Rancangan-Rancangan Kawasan Khas (RKK). Pihak jabatan juga terlibat secara langsung dalam ulasan teknikal berkaitan permohonan pembangunan yang melibatkan kawasan HSK seperti permohonan memajukan kawasan pertanian, lombong, kuari, pembangunan utility dan infra seperti jalan, empangan mini hidro, talian penghantaran elektrik, menara pemancar telekomunikasi dan lain-lain. Dalam hubungan ini, telah menjadi dasar jabatan untuk tidak menyokong apa-apa jua permohonan pembangunan yang

	<p>kawasan hutan simpan dan hutan simpanan kekal termasuk Kawasan Sensitif Alam Sekitar (KSAS) yang kebanyakannya terletak di dalam kawasan hutan.</p> <p>Hutan merupakan komponen guna tanah utama dalam perancangan guna tanah. Oleh itu, pengurusan hutan secara lestari adalah sangat penting untuk manfaat kepada Negeri dan komuniti. Selain itu, cadangan untuk nyahwarta hutan simpan kekal bagi tujuan pertanian atau pembangunan fizikal lain adalah sangat tidak disokong dan tidak dibenarkan kerana akan mengurangkan jumlah hutan yang perlu dipelihara dan dilindungi. Ini kerana, Jabatan bertanggungjawab dalam memantau pelaksanaan Dasar Racangan Fizikal Negara (RFN) di Teras 2: Untuk mengekalkan sekurang-kurangnya 50% kawasan hutan di Negeri Terengganu dapat dicapai. Hutan simpan kekal yang telah dinyahwarta perlu digantikan segera bagi memastikan ekosistem dan biodiversity semulajadi hutan terus berkekalan.</p> <p>Pelan Pengurusan Hutan Terengganu perlu mengambil kira empat kompleks hutan yang termasuk di dalam Central Forest Spine (CFS) Negeri Terengganu yang perlu dilindungi daripada sebarang bentuk pembangunan iaitu:</p> <p>i.Primary Linkages (PL) 7- Taman Negara – Hutan Simpan Terebat (Taman Negara) di Daerah Hulu Terengganu seluas 48,590 hektar;</p> <p>ii.Primary Linkages (PL) 11-Hutan Simpan Jerangau di Daerah Hulu Terengganu seluas 2,932 hektar</p> <p>iii.Sekunder Linkages (SL) 4-Taman Negara Forest Complex-Terengganu Coast di Daerah Dungun seluas 28,804 hektar; dan</p> <p>iv.Sekunder Linkages (SL) 5-Taman Negara Complex-Terengganu Coast 2 di Daerah Setiu seluas 48,590 hektar.</p> <p>Ulasan perancangan diperingkat jabatan juga akan diselaraskan dengan maklumat dan pelan daripada Jabatan Perhutnana Negeri. Antara jenis permohonan yang sering diterima dan mempunyai kaitan adalah seperti berikut;</p> <p>i.Cadangan pembangunan eko-lancong dan resort;</p> <p>ii.Cadangan pembangunan mini hidroelektrik;</p>	<p>lemibatkan kawasan HSK namun sebarang ketetapan keputusan bagi projek-projek pembangunan yang melibatkan HSK adalah tertakluk kepada Pihak Berkuasa Negeri.</p> <p>Pihak Jabatan juga memberi perhatian khusus bagi aktiviti berkaitan kawasan CFS di peringkat negeri. Perincian berkaitan CFS telah dimasukkan di dalam RPH Negeri Terengganu 2016-2025. Segala aktiviti berkaitan CFS juga diselaraskan oleh pihak jabatan ini di peringkat negeri dan ianya juga telah diselaraskan dalam Penyediaan Rancangan Struktur Negeri Terengganu (RSN) 2050 (Kajian Semula).</p>
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		<p>iii.Laporan Terms of References (TOR) dan Environmental Impact Assessment (EIA) bagi cadangan lombong dan kauri dalam kawasan huta/hutan simpan kekal;</p> <p>iv.Cadangan perladangan kelapa sawit secara komersial dalam kawasan hutan/hutan simpan kekal;dan</p> <p>Cadangan Zon Pembangunan Ladang Hutan</p>	
4	<p>1.New Straits Times (8 January 2018 & 9 January 2018)</p> <p>2.The Sun (9 January 2018)</p>	<p>MNS concerned over degazetting of permanent forest reserves in Terengganu</p> <p>The Malaysian Nature Society (MNS) is deeply concerned over the recent degazetting of 4,515 hectares of permanent forest reserves in the state.</p> <p>He said recent media reports highlighted that degazetted forest reserves, roughly the size of more than 4,500 football field, were to be given to Terengganu government linked company TDM Bhd for their plantation expansion.</p>	<p>Majlis Mesyuarat Kerajaan Negeri Terengganu (MMKN) Kali Ke-35 Tahun 2017 bertarikh 6 Disember 2017 telah meluluskan kawasan seluas 2,691 hektar di HS Sungai Nipah dan seluas 1,824 hektar di HS Rasau Kertih secara 'grant bantuan' kepada TDM Berhad untuk pusingan modal bagi projek penanaman kelapa sawit oleh syarikat tersebut. Sebelum projek ini diberikan kelulusan, Jabatan Perhutanan Negeri Terengganu telah menghantar ulasan teknikal bertulis kepada Unit Perancang Ekonomi Negeri (UPEN) yang mana jabatan tidak menyokong permohonan projek ini yang melibatkan penyahwartaan kawasan hutan simpan terlibat seluas 4,515 hektar.</p>

Recertification Audit Plan

DAY	TIME	PROGRAM		
		AUDITOR 1 (Razman)	AUDITOR 2 (Dr. Nazre)	AUDITOR 3 (Dr. Zahid)
Saturday (26/1/2019)		<ul style="list-style-type: none"> Travel from Kuala Lumpur to Kuala Terengganu (MH1338 : 1825 – 1925) Audit team stay at Grand Continental Hotel Briefing by Audit Team Leader on the audit plan 		
Day 1 Sunday (27/1/2019)	8.00 am – 12.30 pm	<ul style="list-style-type: none"> Opening Meeting with representatives of FMU Briefing session by Forest Manager on progress of forest activities Evaluation of changes to the management of the FMU Check on progress of planned activities aimed at enhancing the operation system Check on complaints, stakeholder comments and follow-up actions with Government agencies and NGOs Check on verification for closing NCRs raised during the previous audit Evaluate on internal audit and management review Q&A Session 		
	2.00 – 5.30 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Dr. Nazre)	AUDITOR 3 (Dr. Zahid)
		Documentation and records review <ul style="list-style-type: none"> Principle 4 - Community Relations and Worker's Right Principle 5 – Benefits from the forest Principle 6 – Environmental Impact Stakeholders consultation with PERHILITAN, Jabatan Alam Sekitar and Kesatuan KPHHM Malaysia Barat 	Documentation and records review <ul style="list-style-type: none"> Principle 1 – Compliance with Laws and Principles Principle 7 – Management Plan Principle 8 – Monitoring and Assessment Principle 9 – Maintenance of High Conservation Value Forests 	Documentation and records review <ul style="list-style-type: none"> Principle 2 – Tenure and Use Rights and Responsibilities Principle 3 – Indigenous Peoples' Right Principle 4 - Community Relations and Worker's Right
		<ul style="list-style-type: none"> Review of Day 1 Findings by Audit Team Leader All auditors overnight in Kuala Terengganu 		
Day 2 Monday (28/1/2019)	7.00 am – 8.00 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Dr. Nazre)	AUDITOR 3 (Dr. Zahid)
		<u>Terengganu Utara</u> <ul style="list-style-type: none"> Documentation review at District Forest Office 	<u>Terengganu Utara</u> <ul style="list-style-type: none"> Documentation review at District Forest Office 	<u>Terengganu Utara</u> <ul style="list-style-type: none"> Stakeholders consultation with JAKOA

		<ul style="list-style-type: none">• Inspection of active harvesting area (RIL technique) – Compt. 42, HS Hulu Setiu• Tree Tagging: Compt. 81, HS Hulu Nerus• Forest Checking Station – BPH Sg. Tong• Nursery Chalok	<ul style="list-style-type: none">• Inspection of active harvesting area (logfisher) – Compt. 42, HS Hulu Setiu• Empangan Paya Pedu – Compt. 88, 92 & 95 HS Gunung Tebu• Closing area – Compt. 28, HS Pelagat	<ul style="list-style-type: none">• Interview with local community<ol style="list-style-type: none">1. Kg. Orang Asli Sungai Sayap2. MPKK Kg. Keruak (Felcra)3. MPKK Kg. Bekok4. MPKK Kg. Batu 13• Taman Eko Rimba Lata Tembakah
		<ul style="list-style-type: none">• Review of Day 2 Findings by Audit Team Leader• All auditors overnight in Kuala Terengganu		
Day 3 Tuesday (29/1/2019)	7.00 am – 8.00 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Dr. Nazre)	AUDITOR 3 (Dr. Zahid)
		<u>Terengganu Barat</u> <ul style="list-style-type: none">• Document review at District Forest Office• Inspection of active harvesting area (RIL technique) – Compt. 3A, HS Jerangau & Compt. 25, HS Jerangau• Closed area: Compt. 36C, HSK Hulu Terengganu Tambahan (Syarikat Mas’aa Trading & Marketing SB)• HCVF Pokok Sal – Compt. 34, HS Jerangau	<u>Terengganu Barat</u> <ul style="list-style-type: none">• Document review at District Forest Office• Inspection of active harvesting area (logfisher) – Compt. 65, HS Petuang• Ladang Penyelidikan Karas – HS Merchang	<u>Terengganu Barat</u> <ul style="list-style-type: none">• Documentation review at District Forest Office• Interview with local Community<ol style="list-style-type: none">1. MPKK Kg. Sg. Berua2. MPKK Sekayu3. MPKK Basong4. MPKK Kg. Pasir• Taman Eko Rimba Sekayu
		<ul style="list-style-type: none">• Review of Day 3 Findings by Audit Team Leader• All auditors overnight in Terengganu Selatan		
Day 4 Wednesday (30/1/2019)	7.00 am – 10.00 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Dr. Nazre)	AUDITOR 3 (Dr. Zahid)
		<u>Terengganu Selatan</u> <ul style="list-style-type: none">• Documentation review at District Forest Office.• Inspection of active harvesting area (RIL technique) – Compt. 16, HS Besul (KPKKT)	<u>Terengganu Selatan</u> <ul style="list-style-type: none">• Documentation review at District Forest Office.• Inspection of active harvesting area (RIL technique) – Compt. 8, HS Sg. Nipah	<u>Terengganu Selatan</u> <ul style="list-style-type: none">• Documentation review at District Forest Office.• Interview with local Community<ol style="list-style-type: none">1. MPKK Felda Cherul 12. MPKK Felda Cherul 2

		<ul style="list-style-type: none"> • Forest Checking Station – BPH Durian Mas • VJR – Compt. 8A, HS Bukit Sai 	<ul style="list-style-type: none"> • Pre-F inventory – Compt. 45, HS Cherul • Post F inventory – Compt. 56, HS Sg. Nipah 	3. MPKK Teladas 4. MPKK Kg. Air Puteh
		<ul style="list-style-type: none"> • Review of Day 4 Findings by Audit Team Leader • All auditors overnight in Kuala Terengganu – Felda Residence Hotel 		
Day 5 Thursday (31/1/2019)	8.00 am – 7.00 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Dr. Nazre)	AUDITOR 3 (Dr. Zahid)
		<ul style="list-style-type: none"> • Continue documentation and records review. 	<ul style="list-style-type: none"> • Continue documentation and records review. 	<ul style="list-style-type: none"> • Continue documentation and records review
		<ul style="list-style-type: none"> • Documentation and records review • Preparation of audit finding • Closing meeting 		
		*Travel to Kuala Lumpur (MH1335; 1600 - 1700) – Friday (1/2/2019)		

Details on NCRs and OFIs Raised During this Re-certification Audit and Corrective Actions Taken

Indicator	Specification Major/Minor/OFI	Detail Non-conformance	Corrective Action Taken	Verification by Assessor
Indicator 4.2.3 NCR No.: MRS 01 2019	Major	<p>Requirement : Indicator 4.2.3 - Appropriate safety and operational equipment in good working condition, including operational procedures, shall be made available to forest workers in the work place.</p> <p>Finding : The FMU did not to comply the Factories and Machineries Act 1967 (Steam Boiler & Unfired Pressure Vessel) Regulations, 1970</p> <p>Objective evidence : During the inspection in workshop area for licence TB-01-17-18, Compt. 65, FR Petuang an air-compressor [Serial No. 0080515-RIN-NIM] was found without record and Certificate of Fitness.</p>	The FMU has directed licensee of TB-01-17-18 to notified and get approval (certificate of fitness) from DOSH for 1 unit air compressor on 4 February 2019 with official letter – Bil. 34 dlm. PHNT.100/6/16/Bhg14.	<p>Audit team has received certificate of fitness for air compressor for Jalur Bangsa Sdn Bhd with registered no. TG PMT 80904 and valid until 20 June 2020.</p> <p>Status: Closed</p>
Indicator 7.1.1 NCR No.: MN 01 2019	Minor	<p>Requirement : Indicator 7.1.1 - Availability and implementation of Forest Management Plan</p> <p>Finding : The FMP yet to list out all the rare, threatened and endangered species available in FMU area</p> <p>Objective evidence: The FMP mentioned the list of rare and endemic species in Attachment 3 but the list is not available in the document. Moreover, the list of some endemic species were not properly written in term of their scientific names and vernacular names.</p>	<p>The FMU will included the ERT species in the FMP during mid-term revision in 2020 after consultation with PERHILITAN, FRIM and also refer to IUCN Redlist.</p> <p>The FMU also has sent a letter to PERHILITAN and FRIM for consultation dated 21 February 2019.</p>	<p>The corrective action plan was accepted by audit team.</p> <p>Status: The implementation and effectiveness of corrective action plan will be verify during next audit</p>
Indicator 8.1.2 NCR No.: MRS 02 2019	Minor	<p>Requirement : Indicator 8.1.2 - Forest managers shall identify and implement appropriate monitoring procedures, in accordance with the scale and intensity of the forest management operations, for assessing social, ecological, environmental and economic impacts.</p>	The FMU has directed all DFOs through official letter dated 21 February 2019 (Bil.42 dlm.PHNT.100/6/16 Bhg.14) to inform all licensee to implement the Environmental Quality (Scheduled Wastes) Regulations	<p>The corrective action plan was accepted by audit team.</p> <p>Status: The implementation and effectiveness of corrective action</p>

		<p>Finding : The monitoring of storage and disposal of scheduled waste was not effectively implemented by the FMU</p> <p>Objective evidence :</p> <ol style="list-style-type: none"> 1. During site audit at Compartment 16, FR Besul (workshop) (TS 01-11-18) it was found that: <ul style="list-style-type: none"> • Used oil drum with no pictogram label 'Inflammable Liquids (Waste)' was stored • Name of waste generator, address and telephone number was not displayed on the used oil drum. 2. The consignment note for disposal of used oil (SW305) at Compt. 65, FR Petuang (TB 01-17-18) was not fill up at Section 1: Waste Generator. 	<p>2005 with registered contractor with DOE.</p> <p>The FMU will monitor all licensee and contractors on the scheduled waste management.</p> <p>Training on scheduled waste management with DOE and other agencies in March 2019.</p> <p>DFO will briefed on scheduled waste management to all licensee and contractors during license briefing.</p>	plan will be verify during next audit
Indicator 3.4.2	OFI #1	The mechanisms for the commercial utilization of traditional forest-related knowledge and practices of indigenous peoples is stated in a one-page flow chart. [See Dokumen MC&I (Prinsip 3) file]. However there was no elaboration of the various steps stated in the chart.	Not required corrective action plan. Will be verify during next audit.	
Indicator 4.4.1	OFI #2	It was found that Terengganu Selatan carried out social impact assessment using the assessment form <i>Borang Soal Selidik Kajian Impak Sosial Dalam Sektor Pembalakan</i> . However the current assessment form was not used in carrying out its social impact assessment.	Not required corrective action plan. Will be verify during next audit.	
Indicator 7.3.1	OFI #3	Training program on Scheduled Waste Management yet to be included in the 'Jadual Kursus dan Latihan Jabatan Perhutanan Negeri Terengganu Tahun 2019'.	Not required corrective action plan. Will be verify during next audit.	
Indicator 9.2.1	OFI #4	The FMU yet to consult with relevant stakeholders on the options to maintain or enhance the HCVFs.	Not required corrective action plan. Will be verify during next audit.	

Corrective Actions Taken and Final Status on NCRs Raised During Previous Audit

Indicator	Specification Major/Minor/ OFI	Detail Non-conformance	Corrective Action Taken	Verification by Assessor
Indicator 4.3.3 NCR No.: KN05/2017	Major	<p>Requirement: <u>The right of workers to benefits and protection is assured under applicable laws and/or regulations.</u></p> <p>Finding: The right of workers to benefits and protection is assured under applicable laws and/or regulations were not comply with Employees' Social Security Act, 1969.</p> <p>Objective evidence: During the inspection of active logging area at Compartment 24A, Pelagat FR (TU-01-06-17), it was found out that only one (1) contractor worker were covered with insurance under MSIG until 4 July 2019 with policy no: KN-09818418-PMR instead of seventeen (17) workers registered in the sub-licence.</p>	The FMU had provided the Non Motor Cover Note for Workmen Compensation from the AXA Affin General Insurance Berhad for the 17 workers working in Licence no. TU-01-06-17. The insurance covered the, Bulldozer Driver, Bulldozer Attendance, Chain Sawyer, Excavator Driver, Supervisor, Stockpile Clerk and Log Gripper for the period of 26 th August - 25 th Sept.2017.	<p>During this audit, it was found that the contractor's workers at Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique) have been covered with insurance under MPI Generali Insurance Berhad until 2 February 2019 (renew every three months) as required by Employees' Social Security Act, 1969.</p> <p>Status: Closed</p>
Indicator 6.5.1 NCR No.: KN01/2017	Major	<p>Requirement: <u>Availability and implementation of harvesting procedures to protect the soil from compaction by harvesting machinery and erosion during harvesting operations.</u></p> <p>Finding: Construction of additional skid trail was carried out without official permission from Forestry Department. Recurrent of Minor NCR MRS/01-2016 upgraded to Major NCR</p> <p>Objective evidence:</p>	The construction of additional skid trail in Licence no. TS-01-14-16 Compt. 3B Bukit Bandi FR and TS -01-21-16 Compt. 44 Jengai FR had been approved by District Forest Officer based on the Letter Ref; No. Bil(15) dlm .PHDTS. 4/64 jld.10 dated 22 nd November 2017. The construction of additional skid trail for Compt. 24 A Pelagat FR has no evidence of approval letter, the licensee has been issued the Noticed to compound the offence dated 4 th Oct.2017 and the licensee accepted the	During site visit at active harvesting area such as Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique) including at closing harvesting area at Compt. 28 Pelagat

		<p>During site inspection, it was found that additional and extension of skid trail has been constructed without permission from District Forest Officer as below;</p> <ol style="list-style-type: none"> 1) Compartment 24A, Pelagat FR (TU-01-06-17) for construction of skid trail LP18/JT1 2) Compartment 44, Jengai FR (TS-01-14-16) for construction of skid trail LP8/JT2, and 3) Unregistered new skid trail at JT4, in Compartment 3B, Bukit Bandi FR (TS-01-14-16). 	<p>compound and pay the compound as evidence in Receipt no. TR 032276 dated 8th Oct.2017.</p>	<p>FR and Compt. 36C Hulu Terengganu Tambahan FR, it was found that additional and extension of skid trail has been constructed with permission from District Forest Officer.</p> <p>Status: Closed</p>
<p>Indicator 6.5.3</p> <p>NCR No.: KN02/2017</p>	Major	<p>Requirement: <u>Availability and implementation of guidelines for forest road lay-out and construction, including log landings and drainage requirements.</u></p> <p>Finding: The construction of access roads and skid trails did not adhere to the guideline "Guidelines for Forest Road 2010 (Amended 2013) clause 2.6.12 – Lorong Penarik, The construction of logfisher trail was not complied with the guidelines Section 3.1, Lorong Log Fisher, Garis Panduan Penggunaan Jentera Log Fisher Dalam Pengusahaan Hutan Darat Asli Dalam Hutan Simpanan Kekal.</p> <p>Objective evidence: 1. During the inspection of active logging sites, it was found that the blading of skid trails exceeded (>1 meter) the allowable limit; a. Compartment 1, Bukit Mual FR (TU-01-02-17) at skid trail LP26/JT2 b. Compartment 44, Jengai FR (TS-01-21-16) at skid trail LP2/JT1 and LP8/JT2. 2. Auditor has found that construction of log fisher</p>	<p>The licensee has been compound for the non-compliance of the "Guidelines for Forest Road Construction 2010 (Amended 2013), as evidence by the Receipt No. TR 032271 dated 5th Oct. 2017.</p> <p>An Approval Letter Ref. No. Bil. (23) dlm. PHNT.400/7/1/1689 S.K .3 dated 17th Oct. 2017 was issued by State Director of Forestry Trengganu for the construction of log fisher trail more than 100m.</p> <p>The log fisher trail has been planted with local species.</p>	<p>Construction of access roads and skid trails have followed <i>Guidelines for forest road (Amendment 2013)</i>. Same goes to logfisher trail were constructed as per 'Garis Panduan Penggunaan Jentera Log Fisher Dalam Pengusahaan Hutan Darat Asli Dalam Hutan Simpanan Kekal'. Both compliance were evidence as verified at active harvesting area of Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique), including at closing harvesting area at Compt. 28 Pelagat FR and Compt. 36C</p>

		<p>trail in Compartment 44, Petuang FR (TB 01-16-16) had exceeded 50 m as listed below:</p> <ol style="list-style-type: none"> Two branches of log fisher trail at Matau 8 = 90 m & 80 m Length of log fisher trail at Matau 15 = 90 m <p>3. Branches of log fisher trail after maximum length of 50 m were constructed at Matau 8.</p>		<p>Hulu Terengganu Tambahan FR.</p> <p>Status: Closed</p>
<p>Indicator 6.5.4</p> <p>NCR No.: KN03/20 17</p>	Major	<p>Requirement: <u>Availability and implementation of guidelines for conservation of buffer strips along streams and rivers.</u></p> <p>Finding: The construction of access roads and skid trails did not adhere to the guideline "Guidelines for Forest Road 2010 (amended 2013)" clause 2.6.12 – Lorong Penarik, clause 1.7.4 – Zon Penampunan Alur Air.</p> <p>Objective evidence:</p> <ol style="list-style-type: none"> During the inspection of closed logging area at Compartment 1, Bukit Mual FR (TU-01-02-17), it was found: <ol style="list-style-type: none"> skid trail LP26/JT2 was encroaching the buffer zone buffer zone boundary mark was not found at skid trail LP26/JT2 one (1) tree of Meranti Pa'ang size estimated 98cm DBH, was felled in buffer zone (6 meter from the stream bank) During the inspection of active logging area at Compartment 24A, Pelagat FR (TU-01-06-17) it was found <ol style="list-style-type: none"> Water stream (10m wide) near LP18/JT1 was not marked in the harvesting map and not demarcated at the site 	<p>The Licensee for Licence No TU-01-02-17 Compt 1 Bukit Mual has been compound for the offences committed. The receipt number for payment of the compound: TR 032271 dated 5th Oct .2017.</p> <p>The buffer zone for the LP26/JT 2 has been marked on the ground.</p> <p>The Licensee for Licence No. TU-01--06-17 Compt. 24 A FR Pelagat has been compound for the offences committed. The receipt no: TR 032276 dated 8th Oct.2017.</p> <p>The water stream at LP18/JT1 has been marked on the harvesting map and was demarcated on the site.</p> <p>The Licensee for Licence No. TS-01-14-16 Compt.3B Bukit Bandi FR has been compound for the offence committed. The receipt of payment no:TR 032587 dated 12th Nov. 2017.</p> <p>The buffer zone has been rehabilitated with planting of trees.</p>	<p>Construction of access roads and skid trails, protection of stream buffer zone and felling of tagged tree have followed <i>Guidelines for forest road (Amendment 2013)</i>. Same goes to logfisher trail were constructed as per 'Garis Panduan Penggunaan Jentera Log Fisher Dalam Pengusahaan Hutan Asli Dalam Hutan Simpanan Kekal'. Both compliance were evidence as verified at active harvesting area of Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique), including at closing harvesting area at Compt. 28 Pelagat FR and Compt. 36C Hulu Terengganu Tambahan FR.</p> <p>Status: Closed</p>

		<p>b. the skid trail LP18/JT1 was crossing the water stream</p> <p>3) Inspection of active logging area at Compartment 3B, Bukit Bandi FR (TS-01-14-16) was found three (3) trees in the buffer zone were felled (6 meter from the stream bank);</p> <p>a. Tree no. CM03953, Damar Hitam, size of 82cm DBH</p> <p>b. Tree no. CM03952, Damar Hitam, size of 110cm DBH, and</p> <p>c. Tree no. CM03953, Kelat, size of 62cm DBH</p>		
<p>Indicator 6.7.1</p> <p>NCR No. : MRS 02/2017</p>	Major	<p>Requirement: <u>Oil, fuel, tyres, containers, liquid and solid non-organic wastes shall be disposed of in an environmentally appropriate and legal manner.</u></p> <p>Finding : Standard operating procedures on waste disposal and re-cycling of liquid and solid non-organic wastes was not available.</p> <p>Objective evidence : Standard operating procedures on waste disposal and re-cycling of liquid and solid non-organic wastes titled <i>Standard Operation Procedure (SOP) Bagi Pelupusan Sisa Pepejal Dan Cecair Bukan Organik Berdasarkan Keperluan Kualiti Alam Sekitar</i> was not evident at the FMU's office and at visited licensed area:</p> <ol style="list-style-type: none"> 1. Compartment 44, Petuang FR (TB 01-16-16) 2. Compartment 23, Hulu Telemong FR (TB 01-13-17) 3. Compartment 24A, Pelagat FR (TU 01-06-17) 	<p>Standard Operating Procedure (SOP) "Bagi Pelupusan Sisa Pepejal Dan Cecair Bukan Organik Berdasarkan Keperluan Kualiti Alam Sekitar" has been circulated as evidence by the Letters from three (3) District Forest Officer , Ref.No. Bil(9) dlm .PHDTS 4/64 Jld.10 dated 1st Oct.2017, Ref.no. PHDTB /1/2/1/10 (34) dated 22nd August 2017 and Ref. No. Bil (11) dlm. PHDTU. 4/2/5/318 dated 1st Oct.2017.</p>	<p>Standard operating procedures on waste disposal and re-cycling of liquid and solid non-organic wastes titled Standard Operation Procedure (SOP) "Bagi Pelupusan Sisa Pepejal Dan Cecair Bukan Organik Berdasarkan Keperluan Kualiti Alam Sekitar" was available and displayed at the FMU's office and at visited active harvesting licensed areas such as Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique).</p> <p>Status: Closed</p>

		<p>4. Compartment 44, Jengai FR (TS 01-21-16)</p> <p>5. Compartment 3B, Bukit Bandi FR (TS 01-14-16)</p>		
<p>Indicator 8.3.1</p> <p>NCR No.: RJ 1/2017</p>	Major	<p>Requirement : <u>Forest managers shall provide relevant documents for identifying all forest products leaving the area to be certified so that their origin could be easily determined.</u></p> <p>Finding :</p> <ul style="list-style-type: none"> • Tree stumps having the same number of white tags (Stump tag), and species did not tally with the tree tagging book, and • Tree stump with white tag (stump tag) did not tally with the tree tagging book. • The logs cannot be trace as the tree number recorded with different species. <p>Objective evidence :</p> <p>During the field inspection in buffer zone at JT 4 of licence TS - 01-14-16 Kpt 3B HSK Bukit Bandi it was evidenced that:</p> <p>1) Two (2) tree stumps having the same number i.e CM 03953 species identified in the field as Damar hitam with diameter 110cm and CM 03953 identified as Kelat diameter 62cm. The trees has been felled. When cross check with tree tagging book and "Borang Kawalan Tebangan Pokok" dated 10/6/17 the species recorded was Balau with diameter 65 cm.</p> <p>2) One (1) tree stump with number CM03952 identified in the field as Damar Hitam with diameter 82 cm the trees has been felled, cross check with tagging book and "Borang</p>	<p>The FMU has issued the noticed of compound Ref. No. (41) PHNT 100/3/1/5 dated 8th Nov. 2017 for using two (2) same number of fell tag on two trees to the Licensee, the Licensee accepted the notice of compound and the receipt of payment TR 032587 dated 12th Nov.2017 was evidence.</p> <p>The trainings on Forest Road Construction were conducted on 2nd Oct.2017, 3rd Oct 2017 and 5th Oct 2017, attended by Forestry Dept. Of Trengganu Officer, staff and the registered workers from the licence area.</p> <p>The training on Tree tagging has been included in the schedule for 2018 training.</p> <p>The "Borang Kawalan Tebangan Pokok " has been used for the control of felled trees in the licence areas, the FMU has improve and enhance by implementing the use of small and handy book to record the tree tagging that tree has been felled.</p>	<p>Verification of the tree tags on tree stumps in harvesting areas compared with the log book of 'Borang Penandaan Pokok (Pokok Tebangan, Pokok Ibu dan Pokok Perlindungan)' was done during the audit, and it was confirmed to be identical. This is done in sampling area at active harvesting area of Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique) including at closing harvesting area at Compt. 28 Pelagat FR and Compt. 36C Hulu Terengganu Tambahan FR.</p> <p>Status: Closed</p>

		Kawalan Tebangan Pokok” dated 10/6/2017 the species recorded as Meranti Sarang Punai with diameter 66cm.		
Indicator 4.2.3 NCR No. : MRS 04/2017	Minor	<p>Requirement: <u>Appropriate safety and operational equipment in good working condition, including operational procedures, shall be made available to forest workers in the work place.</u></p> <ul style="list-style-type: none"> Standard Operation Procedure (SOP) bagi Pembinaan Kongsi Pekerja Pembalakan Berdasarkan Keperluan Keselamatan dan Kesihatan Pekerjaan di Semenanjung Malaysia <p>Finding: First Aid Box was not fully equipped with the required kit as per procedure.</p> <p>Objective evidence : Auditor has found that only yellow lotion, calamine lotion and cotton wool were made available in the First Aid Box at logging camp, Compartment 68, Sg. Nipah FR (TS 01-03-17).</p>	<p>The First Aid Kit at logging camp, Compartment 68, Sg. Nipah FR (TS 01-03-17) has been replaced with the new First Aid kit, the expiry date on 2021.</p> <p>In addition Inspection Schedule for First Aid Kit will be conducted by the Trengganu FMU periodically.</p>	<p>Medical kit for internal used (oral medicated pills etc.) was made available in separated and labelled box as verified at active harvesting area of Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique).</p> <p>Status: Closed</p>
Indicator 7.3.2 NCR No.: KN04/20 17	Minor	<p>Requirement: <u>Forest workers shall be trained as to their respective roles in the implementation of the forest management plan.</u></p> <p>Finding: Training to the forest workers as to their respective roles in the implementation of the forest management plan was not sufficient.</p> <p>Objective evidence: Interview with Foresters and contractors (kepala hutan) during the inspection of active logging area at Compartment 24A, Pelagat FR (TU-01-06-17), and closed logging area at Compartment 1, Bukit Mual FR (TU-01-02-17), was found they are not aware of</p>	<p>The trainings on Standard Operating Procedure (SOP) “Schedule Waste Management “, and training on “ Guidelines on Forest Road Construction 2010 (Amended 2013) has been included in the Training Schedule for 2018.</p>	<p>Forest workers were found adequately informed and trained on their respective roles during the audit. Verification by interview session at active harvesting area of Compt. 42 Hulu Setiu FR (RIL technique and logfisher), Compt. 3A Jerangau FR (RIL technique), Compt. 25 Jerangau FR (RIL technique), Compt. 65 Petuang FR (logfisher), Compt. 16 Besul FR – KPKKT (RIL technique) and Compt. 8 Sg. Nipah FR (RIL technique), found that the</p>

		<p>"Guidelines for Forest Road 2010 (amended 2013)" specific to skid trail requirements (minimum blading and slope)</p> <p>Interview with Foresters during the inspection of active logging area at Compartment 23 Hulu Telemong FR (TB-01-13-17) and Compartment 44 Petuang FR (TB-01-16-16) was found they are not aware of SOP on Scheduled Waste - "Pengurusan Sisa Pepejal dan Cecair Bukan Organik berdasarkan Keperluan Kualiti Alam Sekitar".</p>		<p>contractor, camp manager, and tree workers understood the basic of MC&I purpose, good understanding of RIL and their roles in term of implementing of forest management plan.</p> <p>Status: Closed</p>
<p>Indicator 9.3.1 NCR No. : MRS 03/2017</p>	Minor	<p>Requirement: <u>Measures to demarcate, maintain and/or enhance the HCVF attributes are documented in the forest management plan and effectively implemented.</u></p> <p>Finding : Map of HCVF areas was not available in the Forest Management Plan.</p> <p>Objective evidence : HCVF areas as listed below were not demarcated on maps in the Forest Management Plan 2016-2025:</p> <ul style="list-style-type: none"> • Keruing Sarawak (<i>Dipterocarpus sarawakensis</i>) at Compartment 31, Jerangau FR (Terengganu Barat) • Chengal Besar (<i>Neobalanocarpus heimii</i>) at Compartment 5, Pasir Raja FR (Terengganu Selatan) • Pokok Sal (<i>Johannesteijsmannia altifrons</i>) at Compartment 34, Jerangau FR (Terengganu Barat). 	<p>Map of HCVF has been demarcated on maps and has been made available in the Forest Management Plan 2016-2025.</p>	<p>Measures to demarcate, maintain and/or enhance the HCVF attributes are documented in the FMP (2016-2025) in particular Table 4.6 (pg. 149-152) with six main issues and the proposed solutions. The maps of the three HCVF areas were demarcated and available in FMP entitled '<i>Petak HCV dan VJR Hutan Simpan Kekal Negeri Terengganu</i>' and '<i>Peta Hutan Simpan Kekal Negeri Terengganu</i>'.</p> <p>Status: Closed</p>