

MENGIONG-GAAT FMU ANNUAL FOREST MONITORING REPORT - Year 2025
Forest Timber Licence No. T/3401 (STIDC)
MONITORING MITIGATION AND MEASUREMENTS FOR FOREST MANAGEMENT PLAN
(Response to Indicator 8.1.2 of MC&I SFM)

No.	Monitoring Element	Indicators	Remarks / Report
1.	The yield of forest product	Log production summary	Total Log Production is 6,741 m³ for Year 2025 (Mengiong-Gaat FMU has temporary suspended the harvesting operation since July 2025)
2.	Growth rates	Summary of re-assessment of PSP's since the establishment.	- A total of 38 families, 39 Genera and 43Species recorded. The most dominant family was Dipterocarps (54.6%) and followed by Non-Dipterocarps (45.4%). - Stocking of saplings in the plots were ranged from 200-250 stems/ha, while seedlings stock varied from 3,750 - >17,500 stems/ha. - The average Potential Crop Tree (PCT) was at 23 stands per record. - The average tree growth rate is at DBH of 1.13 cm/stand/year, mortality rate at 7-8 trees/ha or less than <0.5% and survival rate will be at 99.5% based on total number of trees re-assessed during the 1st re-assessment on the 6 PSP plots established 3-4 years before.
3.	Forest regeneration	Species composition and no. of sapling recorded	
4.	Forest Condition	Diameter distribution and forest quality.	
5.	Composition of Flora and Fauna	List of Flora and Fauna found in FMU.	<u>Flora</u> - The analysis has covered 17 blocks of Coupe 01A and 14 blocks of Coupe 2A. Total recorded flora species was 68. - The most dominant species is <i>Meranti Merah (Shorea spp. MRTM)</i>. - An average harvestable stand of 5-6 trees/ha recorded. <u>Fauna</u> - There are 61 recording from 22 species (12 mammal, 6 birds, 3 reptile and 1 insect) in Year 2025 monitoring.

6.	Changes in Flora and Fauna	Number and abundance of species found in FMU and comparison between earlier and recent assessment	<u>Flora</u> - The ratio of Dipterocarp: Non-Dipterocarp is 54.6% : 45.4% in Coupe 1A. 43 species were found based on 100% enumeration inventory recorded in Coupe 1A. - The average harvestable stands density is at 5-13 trees/ha. <u>Fauna</u> - Total sighting of Fauna species was 61. (Year 2024 is 118). The lower sighting of Fauna species was due to the herpetofauna observation have not been carried out in Year 2025. Overall, mammal, birds, reptile and insect composition and species classification remain the same.
7.	Environmental Impacts of Forest Operation.	Harvesting Impact	- The FMU has completed the re-assessment through 10% enumeration inventory in Block 5 of Coupe 01A. - The harvesting impact is minimal at 1-2 trees/ha recorded. - The average Potential Crop Trees (PCT) at 23 trees/ha recorded.
		EIA Approval term and condition	- FMU has implemented ECA to replace EMR as per NREB Directive. - Internal Environment Compliance Audit (IECA) were conducted on 5 – 8 December 2024 and 16-18 December 2025 - External Environment Compliance Audit (EECA) was conducted on 24-27 May 2025 by NREB appointed auditors.
8.	Social Impact of Forest Operation	Evidence of FPIC and joint identification of social sites for native.	During the social visit conducted in Aug 2025 to the 16 local communities. There was no new social site been identified
		Evidence of provision of CSR/Community services	- CSR/Community service such as donation, festival celebrations and others through individual payment. - Road maintenance for the longhouse access road.

		• Number of forest encroachment by local community.	• No encroachment by local community was recorded.
		• Number of complaints, disputes and conflicts encountered with directly affected native.	• There were no complaint, disputes and conflict encountered with directly affected native was recorded.
		• Number of property damage.	• There was no property damage was recorded in Year 2025
9.	Occupational Safety and Health	• Number of fatal accidents	• No fatal accident was recorded in Year 2025.
		• Number of serious accidents	• No serious accident was recorded in Year 2025.
		• Number of minor accidents	• No minor accident was recorded in Year 2025.
		• Number of negligible accidents	• No negligible accident was recorded in Year 2025.
10.	Cost of forest management	• Harvesting cost per ha.	• The average cost of harvesting is maintained at RM45/m³. (Figure based on Year 2024 as the FMU has temporary suspend the harvesting operation)
		• Administration/overhead cost per ha	• The average cost of administration/overhead is RM 175/m³ (Figure based on Year 2024 as the FMU has temporary suspend the harvesting operation)
11.	Productivity of forest management	• Harvested area per annum	• A total of 1,013 ha had been harvested in Coupe 01A. • Harvestable of 8,893 stands through 100% enumeration inventory in Coupe 01A (based on 17 blocks only).
12.	Forest Protection	• The number of forest encroachment per annum	• Patrolling was conducted and there was no encroachment detected from patrolling/monitoring conducted.
13.	The efficiency of forest management.	• The machine productivity by contractor (production/ machine hour, production/ machine/month)	• Average machine productivity by the contractor: ○ Modified Excavator with Wincher - 300m³/unit/month ○ Tractor (Skidder) - 300m³/unit/month ○ Logging truck - 400 m³/unit/month. (Figure based on Year 2024 as the FMU has temporary suspend the harvesting operation)

	• Total harvesting cost per m³ delivered to log yard	• The average harvesting cost per m³ delivered to the log pond is RM95/m³. (Figure based on Year 2024 as the FMU has temporary suspend the harvesting operation)
	• Cost of enrichment planting per ha.	• Enrichment planting covered 9 blocks in at RM 1,100/ha. (based on Year 2024 record)
	• Cost of Road maintenance per Kilometer.	• The average cost of road maintenance is RM1,500-RM2,000/km.