

MENGIONG – GAAT FMU ANNUAL FOREST MONITORING REPORT - Year 2022-2023
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 YTD is 11,443 m ³ . (Until September, 2023).
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 Dipterocarpaceae (54.55% of individual trees) and followed by Non-Dipterocarp (48.98%). - Stocking of saplings in the plots were ranged from 200-250 stems/ha, while seedlings stock varied from 3,750- >17,500 stems/ha. - - Information on tree growth, mortality rate and recruitment rate will be obtained when the first re-assessment has been conducted 3-4 years (2023 onwards) after the establishment of plots.
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 Coupe 01A with total enumerated areas 1,013ha. (17 Blocks only). - 38 species were covered. - The most dominant species is <i>Meranti Merah (Shorea spp. MRTM)</i> . - An average of 9 trees/ha recorded.
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 54.55%:48.98% - 43 species were found based on map inventory recorded. - The stand density average at 5-13 trees/ha. <u>-Fauna</u> - No change of wildlife composition recorded in 2022 - 2023. - The total number of wildlife species recorded as at June, 2023 were 12 species.
7.	Environmental Impacts of Forest Operation.	Harvesting Impact	- The FMU has not completed the assessment in Block 1-13 of Coupe 01A, thus, the harvesting impact yet to be updated.
		EIA Approval term and condition	Environmental Monitoring Record (EMR) was conducted quarterly in year 2022 and 2023 (September, 2023).

8.	Social Impact of Forest Operation	Evidence of FPIC and joint identification of social sites for native.	- There was no FPIC and joint identification of special sites was conducted in 2023.
		Evidence of provision of CSR/Community services	- YTD, CSR/Community service such as festival celebrations and others through individual payment.
		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.	- In 2022-2023, no complaint, disputes and conflict encountered with directly affected native were recorded.
		Evidence of FPIC and joint identification of special sites for native.	- Stakeholder consultation with local community was conducted in May 2023 concerning one (1) ecology plot site preserved in Coupe 18.
		Evidence of provision of SCR/Community services.	- YTD, CSR/ Community Service such as education funds to students, festival celebrations and others.
		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.	- In 2022-2023, no complaint, disputes and conflict encountered with directly affected native were recorded.
		Number of property damage.	- In 2022-2023, no property damage was recorded.
9.	Occupational Safety and Health	Number of fatal accidents per annum	- 1 fatal accident was recorded.
		Number of serious accidents per annum	- 1 serious accident was recorded.
		Number of minor accidents per annum	- One (1) fatal accident was recorded. The accident was reported to DOSH Sibul through <i>Borang</i> JKPP6.
		Number of negligible accidents per annum	- No negligible accident was reported.
10.	Cost of forest management	Harvesting cost per ha.	- The average cost of harvesting is RM45/m ³ .
		Administration/overhead cost per ha.	- The average cost of administration/overhead is RM 175/m ³ .

11.	Productivity of forest management	Harvested area per annum	- YTD, a total of 829 ha had been harvested in Coupe 01A. -7,461 stands enumerated in Coupe 01A (Based on 13 Blocks).
12.	Forest Protection	The number of forest encroachment per annum	- YTD, no encroachment was detected from 2 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 - 300m ³ /unit/month - Tractor (Skidder) - 300m ³ /unit/month - Logging truck - 400 m ³ /unit/month.
		Total harvesting cost per m ³ delivered to log yard	- The average harvesting cost per m ³ delivered to the log pond is RM95/m ³
		Cost of enrichment planting per ha.	- YTD, enrichment planting covered 2 blocks at RM 1,100/ha.
		Cost of Road maintenance per Kilometer.	- the average cost of road maintenance is RM1,500 - RM2,000/km.