



*"An Agency Committed
Towards Sustainable Forestry"*

FOREST DEPARTMENT SARAWAK STRATEGIC PLAN 2021-2025 MID YEAR REVIEW



Introduction

1



Forest Department Strategic Planning 2021-2025



2

Thrust Achievements



3

Summary



4

Presentation Outline



FD SP 2021-2025

- Establish based on strategic framework of State, nation and international trends
- Sarawak Forest Policy 2019 – guiding principles

WHAT



Functions

Thirteen (13) function:

- Enforce Forest Ordinance 2015
- Constitute and manage areas of forest
- Rehabilitate and Restore...etc

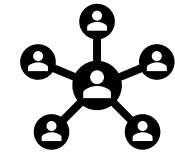
IS



Forest Policy Statement

- Provision of sufficient forest area
- Management of PFE
- Good management of forest areas
- Sustainable production of forest resources

FOREST



Shared Values

- Integrity
- Kind and Caring
- Professionalism
- Sense of Urgency and Ownership
- Team Spirit
- Result - Oriented

SP

INTRODUCTION



Thrust 1
Sustaining Forest Resources




Thrust 2
Forest Law Enforcement



Thrust 3
Forest Revenue Management



Thrust 4
Research, Development, Innovation and Commercialisation



Thrust 5
Restoration and industrial Forest





**Forest Department
Strategic plan
2021-2025
THRUST**



Thrust 6

Social and
Urban
Forestry



Thrust 7

Leveraging on Technology
for Effective Forest
Management



Thrust 8

International
Affairs



Thrust 10

Communication,
Education and
Public Awareness

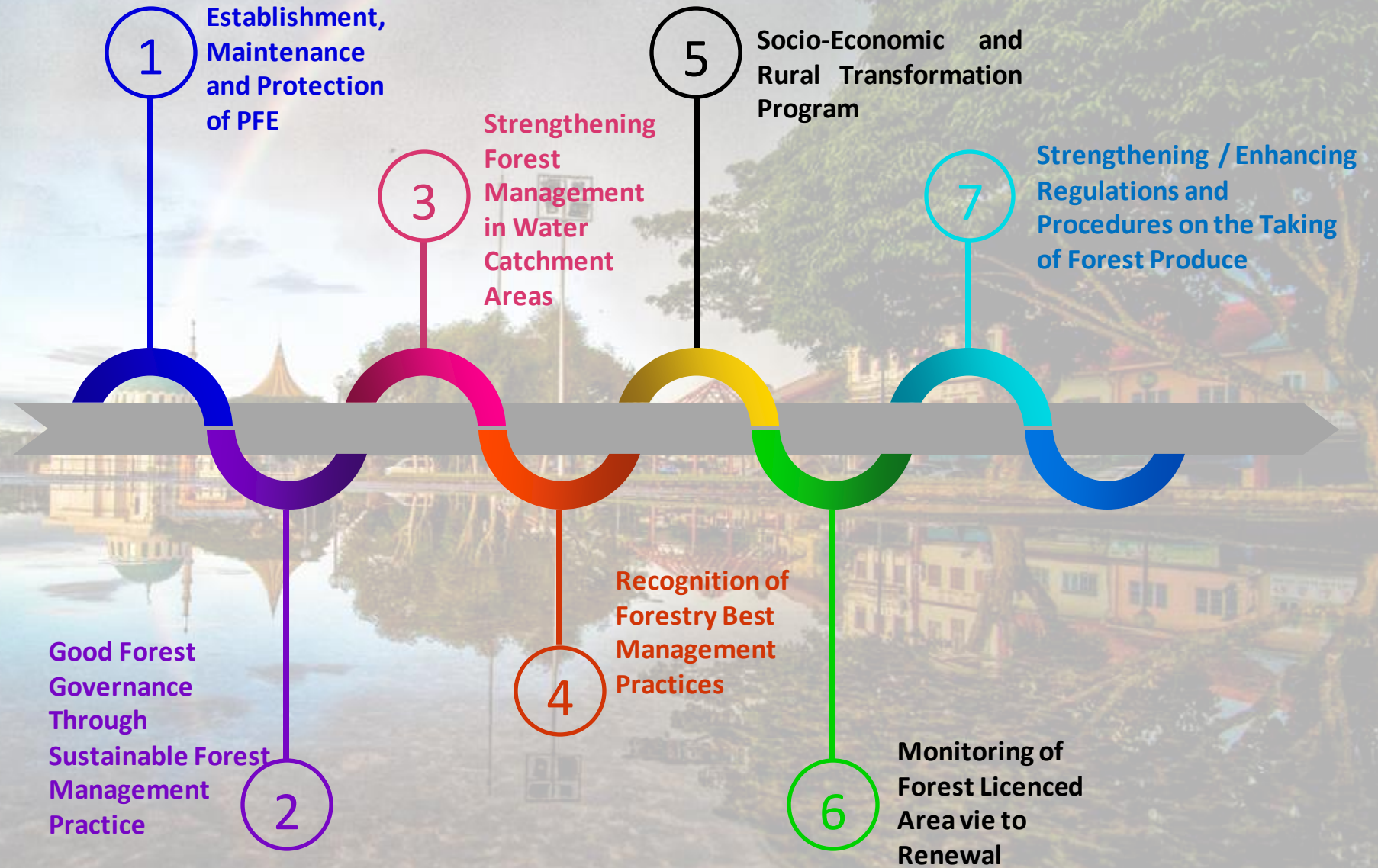


Thrust 9

Financial and
Human
Resource



**STRATEGIC
THRUST 1:
SUSTAINING
FOREST
RESOURCES**



THRUST 1

SUSTAINING FOREST RESOURCES

MID YEAR UPDATE OUTCOME

	Achieved	In Progress	Not Started
Strategic Objective 1 (6 activities)	2	4	0
Strategic Objective 2 (7 activities)	3	4	0
Strategic Objective 3 (3 activities)	0	3	0
Strategic Objective 4 (6 activities)	0	6	0
Strategic Objective 5 (3 Activities)	1	1	1
Strategic Objective 6 (1 activity)	1	0	0
Strategic Objective 7 (1 activity)	1	0	0

8 Achieved



18 In Progress



1 Not Started



STRATEGIC THRUST 1: SUSTAINING FOREST RESOURCES

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
1	Establishment, Maintenance and Protection of Permanent Forests Areas.	To constitute areas which has been proposed as permanent forests (existing) within current database.	600,000 ha of permanent forests area secured in 5 years.	150,000	In-progress.	Mujong Pila PF (48,612ha) , Bala Dapoi PF (14,755ha), Ulu Trusan Protected Forest (Luas kawasan : 120,855ha), dan Sujan FR (ext1) (Luas kawasan : 18,000 ha) dicadang diruskan pewartaan akhir. Walau bagaimanapun kerja-kerja tinjauan awal serta dialog tidak dapat dilakukan buat sementara waktu memandangkan PKP .
		Initial Gazettement of state land inside LPF / FTL area to permanent forests.	250,000 ha of area put up for initial gazettelement in 5 years.	50,000 ha	Achieved. 74,132 ha	Proposed Mujong Melinau PF (64,472 ha) has been submitted to MUDeNR (10 May 2021). Proposed Bakam PF and Murum FR has been submitted for Initial Gazettement and awaiting publication in Sarawak Government Gazette (9,660 ha).
		To formulate new policy to retain the existing permanent forests and substitute the excised / revoked permanent forests areas.	one policy formulated in 2022.	3 lab / workshop	In-progress.	Lab/workshop postponed to August 2021 (only 1 lab/workshop) Proposal approved by DF.
		Produce Masterplan for PFEs.	1 Management Plan formulated in 2024 to strengthen the management of PFE.	0	In-progress.	
		Identify and map the HCV.	1 HCV map for Sarawak produced and updated per years.	1 map produced	In-progress.	13 FMUs (Certified & on Approved FMP) have submitted their shapefiles - Data sorting on going before sending to FTG for mapping.
		Conduct research program on flora and fauna in PFE.	10 research programs conducted to facilitate decision making and enhance the value of PFE .	2	Achieved. 2	(1 Dayang & 1 Dr Ahmad) research at Gunung Pueh FR. Research program at Gunung Pueh FR is still ongoing.
2	Good Forest Governance Through Sustainable Forest Management Practice.	Demarcation of forest boundaries on the ground.	8 PFE demarcated per year on the ground to enhance the security and management of permanent forests area.	8 PFS	Achieved. 5 PFE	Demarcation have been completed in 3 PFE's (Labang FR, Katiyu CF & Mungghoh Babi CF). 2 PFE's have yet to be completed (Pelagus PF & Saribas Lupar PF).
		RIL Training.	At least three (3) trainings conducted per year to develop trained forest workers on RIL.	3	In-progress.	Due to movement restrictions and most forest workers are not allowed to travel outside the camp
		Compliance monitoring.	No less than three (3) ground inspections carried out per year. Reports will be produced for every inspection.	3	In-progress.	Briefing on processing of PEC application to Regional Offices was conducted on 19/8/2021.Due to movement restrictions outsiders are not allowed to enter camp area therefore no ground activity was carried out
		Carry out forest resource inventory and forest stand assessment.	At least 20% of forest area inventoried within the PFE per year.	20%	In-progress. 10%	Due to pandemic,the implementation plan had been postponed and will be amended accordingly to suit the current situation. Beside that, the long proses of the project consultant appointment, the issue of appointing PSH to work with the project and the cutting of 2021's project allocation by the federal government has exacerbate more the project implementation plan
		Conduct awareness programme.	A minimum of three (3) awareness programme conducted per year to enhance/ develop awareness on importance of SFM and FMC among stakeholders.	3	In-progress. 2	Awareness program for FDS staff via zoom 14/6/21 and Sharing session on FMC at Ministry level via zoom on 24/6/21
		Review & improve/ formulate guidelines & procedues.	At least one (1) document reviewed/ improved/ formulated to produce updated, practical and reliable guidelines/ procedues.	1	Achieved. 3	1. RIL guideline completed and published in Feb 2021, 2. Reviewed Interagencies SOP 3. Develop mechanism for Cancellation of License
		Develop benchmarking for SFM.	No less than one (1) benchmarking information for SFM developed to provide reliable and better information for decision making.	1	Achieved. 1	Project proposal has been prepared. Approval for appointment of external consultant has been obtained from KETSA. All relevant documents have prepared and currently pending internal process to establish Jawatankuasa Lantikan Perunding.

STRATEGIC THRUST 1: SUSTAINING FOREST RESOURCES (Cont...)

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
3	Strengthening Forest Management in Water Catchment Areas.	Conduct and participate in consultation, meeting or workshop among the relevant stakeholders.	10 consultations / meetings / workshops conducted for better coordination in forest management amongst stakeholders in 5 years.	2 consultation / meeting / wokshop	In-progress.	To be done in 4th Quarter of 2021
		Conduct and participate in joint inspection and monitoring activities with relevant stakeholders in management of water catchment areas	5 joint inspection and monitoring activities conducted as preventive measures in water catchment areas in 5 years.	1 joint inspection and monitoring activities	In-progress.	Joint inspection to be done once MCO lifted
		Conduct benchmarking study on the existing water catchment areas guidelines. Extract, adapt and adopt the guideline produced.	1 guideline developed to enhance protection of water catchment areas within permanent forests estate to ensure adequate and clean water supply.	-	In-progress.	Draft Guideline produced
4	Recognition of Forestry Best Management Practices.	To get FMU certified to meet the 2022 target.	A minimum of 600,000 ha of FMU targeted for certification on the first year, and 800,000 ha for the next two years. (The target for 2023 is set after taking into consideration of the capacity of the auditors).	600,000 ha	In-progress.	FMCTC 1/2021 meeting was conducted on the 9/8/2021 and 11/8/2021 via Zoom. 6 FMPs were tabled in the meeting. To date, 37 FMP were received and reviewed. 33 approved. In 2021, 2 FMUs undergone stage 1 remote audit (Timber plus (KTS) and Mengiong Gaat (STIDC)) and 1 FMU undergone surveillance remote audit. Stage 2 audit can only be done through normal procedure therefore due to MCO and movement restriction none of the FMU undergone stage 2. Consequently no new certified area for 2021
		Monitoring the implementation of Forest Management Plan (FMP) in long term timber licence.	At least 3 internal audit per years conducted to ensure the readiness of FMU for FMC.	3	In-progress.	One internal audit is plan for Merangau-Melatai FMU (T/3148) in October 2021
		Develop database for affected communities with FMC areas (i) Village profile, (ii) villages endorsed by the Resident's office (iii) identification of community-use areas.	Community profile for at least three (3) FMU per years developed per year.	3	In-progress. 2	1. Gerenai FMU, 2. Suling Selaan FMU
		Facilitate multi-stakeholder consultation and establishment of CRC.	A minimum of three (3) FMCLC meetings conducted or CRC established to promote proper platform per year to address grievances related to FMC.	3	In-progress.	Establishment of CRC and FMCLC for Pilla Mujung and Gaat Mengiong FMU is tentatively scheduled in September 2021
		Provide capacity building to FMU	At least two (2) trainings/ technical support provided for the FMU per year.	2	In-progress. 1	HCV training via zoom on 20/4/21
		Monitoring adherence/ compliancy.	No less than five (5) monitoring conducted per year to encourage self-regulatory compliance towards forestry matters and policies.	5	In-progress. 2	1. DF Circular No.1/2021 issued, 2. Lab on policy direction on forestry matters at Damai Beach Resort (4-5.3.2021)

STRATEGIC THRUST 1: SUSTAINING FOREST RESOURCES (Cont...)

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
5	Socio-economic and rural transformation program	To verify and analyze data provided by the applicant/other agencies.	At least 3 application verify and analyze for Issuance of Forest Timber Licence within the development areas per year.	3	Achieved. 14 (Jumlah permohonan ada 16)	Setakat untuk tahun ini, 16 permohonan telah dibawa ke Task Force dan 8 permohonan telah diluluskan dan 4 permohonan tidak diluluskan. Sementara itu, 2 permohonan diluluskan bersyarat dan selebihnya 2 permohonan ditangguhkan (KIV) sehingga mendapat maklum balas daripada agensi-agensi lain dan juga pemohon mengemukakan dokumen yang berkenaan. 16 Kategori status tanah permohonan Task Force Ke-5. Alienated land - 7 permohonan Provisional lease - 2 permohonan Subject to NCR - 1 permohonan NCR - 6 permohonan
		Deliberation in the Task Force Meeting.	At least 3 Task force meeting conducted yearly	3	In-progress. 1	TF Meeting telah diadakan sekali setakat ini (12hb April 2021)
		Conducting and partaking in dialogues or briefing with stakeholders.	At least 1 dialogue conducted and participation per year.	1	Not-yet started.	
6	Monitoring of Forest licenced area vie (prior) to renewal.	Initiates and leads field verification or checking with the relevant divisions and Regional Forest Offices.	5 licences area monitored per year.	5 Licences from any region	Achieved. 5	Mengarahkan RFO Kapit untuk melaksanakan verifikasi lapangan untuk lesen T3370 & T3371) (Jaya Tiasa Holdings) . LID tidak menyertai verifikasi lapangan berkenaan atas sebab sekatan perjalanan merentas daerah. PF3632(18-19 August 2021), PF3671 (4/3/2021) & PF/8550 (29/3)
7	Strengthening/ Enhancing regulations and procedures on the taking of forest produce.	Conducting lab/workshops with relevant divisions and agencies. Gathering, Synthesising and formulating amendment.	At least 1 revised and amended rules or procedures are adopted, endorsed and promulgated per year.	1	Achieved. 1	Bengkel Pemurnian Prosedur dan Mekanisme Pengeluaran Lesen Kayu Hanyut (Wood Debris/ Driftwood) telah diadakan sekali pada 24hb-25hb Februari 2021

***STRATEGIC
THRUST 2:
FOREST LAW
ENFORCEMENT***

TO STRENGTHEN ENFORCEMENT ON
FOREST LEGISLATIONS

1

TO DEVELOP HIGH COMPLIANCE TO
THE FOREST LAW AMONG STAFF
AND STAKEHOLDERS

2

2 Achieved



5 In Progress



0 Not Started



THRUST 2

FOREST LAW ENFORCEMENT

MID YEAR UPDATE


	Achieved	In Progress	Not Started
Strategic Objective 1 (3 activities)	1	2	0
Strategic Objective 2 (4 activities)	1	3	0

STRATEGIC THRUST 2: FOREST LAW ENFORCEMENT

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
1	To strengthen enforcement on Forest Legislations.	Labs / Workshops to be conducted on reviewing of Enforcement SOPs and work's manual.	Proper implementation of current laws and directive per year.	2	Achieved. 2	1. Bengkel Mengenalpasti Kesalahan Hutan (24.03.2021, Imperial Hotel Kuching) 2. Bengkel To Formulate New Policy To Strengthen Disposal of Seized Logs (8.04.2021 Pullman Hotel Miri)
		Training on Investigation/ efile Court Case/ IPTS/ Information gathering/ negotiation /etc.	7 trainings and workshop per year.	7	In-progress. 3	1. Kursus Penggunaan sistem IPTS di PED (17.02.2021) 2. Kursus UBIQTRAC [PHW Sibu (22.02.2021), PHW Miri (24.02.2021), PHW Miri II (18.03.2021) PHW Sri Aman (23.03.2021), PHW Sarikei (29.03.2021), PHW Bintulu (30.03.2021)] 3. Bengkel Penggunaan Synology Diskstation di PED (31.3.2021)
		Conduct Dialog, program, talk, meeting, leaflets, signboards, on forest legislation to the stakeholders.	At least 8 engagements/programs/activities with the stakeholders conducted per year.	8	In-progress. 1	Program Perkongsian Ilmu melalui Zoom/Youtube bertajuk 'Status Penguatkuasaan Ordinan Hutan 2015' oleh Jabatan Hutan Sarawak (14.06.2021).
2	To develop high compliance to the forest Law among staff and stakeholders	Inter-agency meeting/workshop on combating illegal logging and strategic networking.	3 meetings per year.	3	In-progress. 2	1. Mesyuarat Prosedur dan Mekanisma pengeluaran lesen kayu hanyut (10.02.2021, Baitulmakmur 2) 2. Mesyuarat Perancangan Operasi Rengas (Bil 1/2021) bersama Ybhg. Lt. Gen (ret.) Datuk Stephen Mundau (24.02.2021).
		To launch frequent inter-agency operations.	8 operation RENGAS per year.	8	In-progress. 2	1. Ops Rengas 1/2021 di kawasan Miri & Limbang (5-17.03.2021) 2. Ops Rengas 2/2021 di Seluruh Sarawak (16.04.2021 -4.05.2021) 3. other OPS to be check with PHW Miri & Bintulu
		Monitoring/Operation.	2920 monitoring and operation conducted per year.	2920	In-progress. 748	Berdasarkan rekod laporan harian SITREP dari 1.1.2021 hingga 30.06.2021
		<ul style="list-style-type: none"> • Increase numbers of operation via air, river and land. • Increase competency of Investigating Officer (IO). • Enhance effectiveness of communication between HQ and RFOs. • Effectiveness management of Investigation Paper. 	At least Rating 2 per year.	2	Achieved. 2	Laporan Enforcement Compliance Rating SCS Scorecard Suku 1 & 2 2021



ENHANCE
REVENUE
COLLECTION



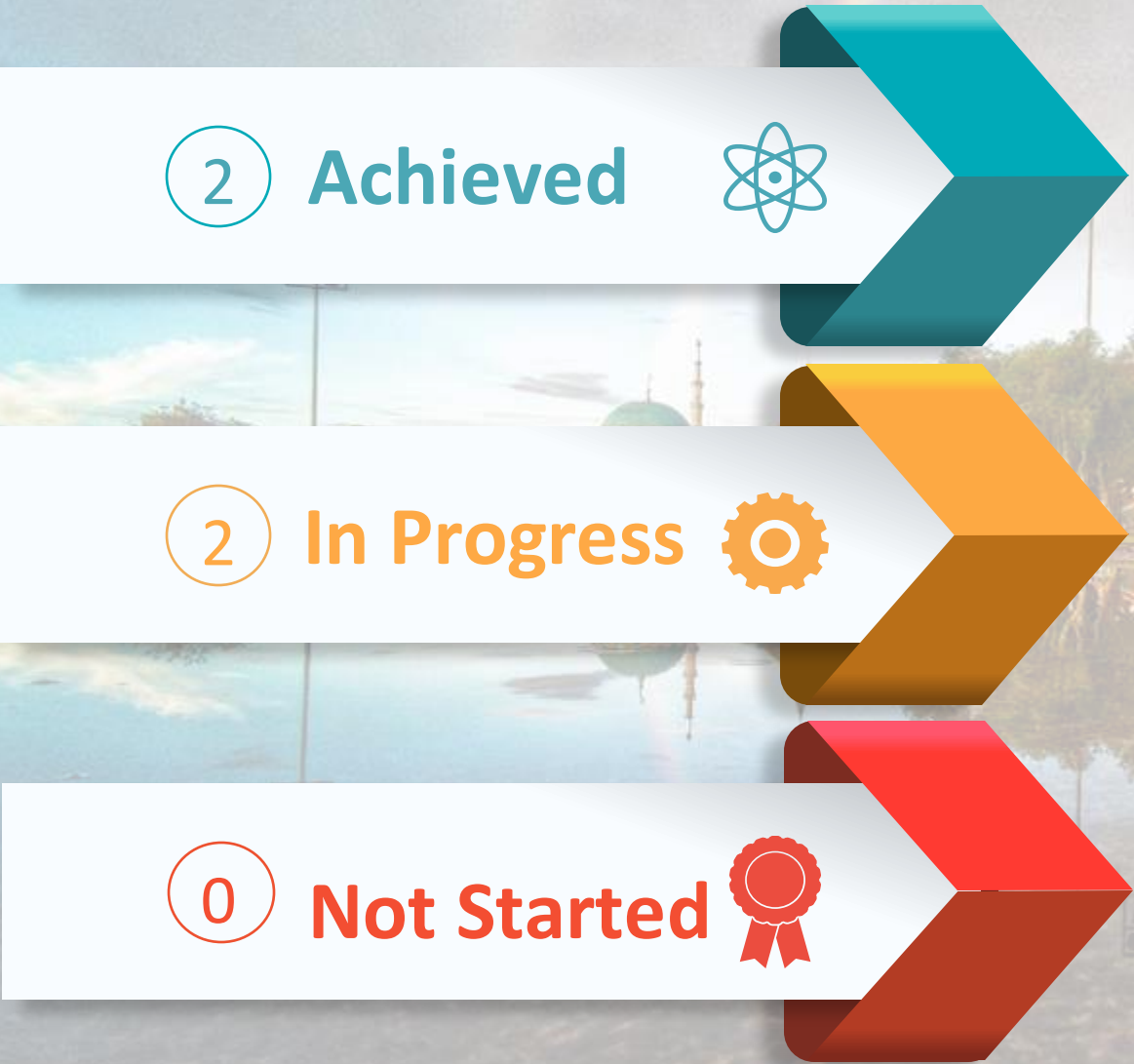
ENHANCE THE
CREDIBILITY OF
TIMBER LEGALITY
ALONG CHAIN OF
CUSTODY SYSTEM



***STRATEGIC
THRUST 3:
FOREST
REVENUE
MANAGEMENT***

THRUST 3

FOREST REVENUE MANAGEMENT



MID YEAR UPDATE			
	Achieved	In Progress	Not Started
Strategic Objective 1 (3 activities)	1	2	0
Strategic Objective 2 (1 activities)	1	0	0

STRATEGIC THRUST 3: FOREST REVENUE MANAGEMENT

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
1	Enhance revenue collection	Establish new mechanism on royalty assessment for forest produce.	Enhance the efficiency of royalty assessment process. Cadangan: 3 process and procedure related to Revenue Assessment established in 2021 and at least 1 per year from 2022 -2025	3	Achieved. 3 P&P	New P& P on Royalty Assessment have been established : 1) Royalty Assessment For Sunken Log. 2) Develop Interim Process and Procedure Royalty Assessment of light - Heavy Mixed Dipterocarp Cordwood where weighbridge is not available in licence area. 3) Royalty Assessment and Process of Removal Pass (transit) for Poles and cordwood of mangrove.
		Enhance percentage (%) of revenue increment based on previous year collection through at least five diversify source of revenue.	Sustainment of revenue collection. Cadangan: In 2021 at least 2% increment of revenue generated (RM) and increase of 3% in 2022-2023 follow by 5% increment in 2024-2025.	2%	In-progress. Year End to collect RM326.4 million. As Jun 2021 = RM151 Million	Year End to collect RM326.4 million as Jun 2021 =RM151 Million. 1) Payment of Environmental Services (PES) for overhead electric cable across PFE areas - Current status : a) HEP have agreed to pay state government about Lump Sum RM2.8mil. (0.9%) b) The legal Unit of FDS in the midst preparing the Contract Agreement (CA) and to be finalized by year end. c) HEP will paid state government once the CA signed. As result of this, at least 2% increase in revenue to RM323.00 mil from RM320 mil. 2) RDMD with DDF (FM) has submitted MMKN paper to MUDeRN for revising royalty of export logs. Expected to be executed by middle of next year.
		Develop and apply Revenue Compliance Rating at all Regional Forest Offices (RFOs) to measure revenue leakages.	Four (4) to eight (8) RFOs to achieve 5 Star rating	4	In-progress. 4 RFOs has potential to get 5 star rating	Based on Q2 Forest Revenue Compliance Rating 2021 result : There is chances of at least four (4) RFOs namely Kuching, Sri Aman, Sarikei, Sibul and Limbang to get 5 Star rating.
2	Enhance the credibility of timber legality along Chain of Custody System	Carryout BPI, Establish and digitalization of the 7 main processess.	Increase credibility of the chain of custody system. CADANGAN: At least 7 supply chain module established in 5 years.	2	Achieved. 5 digitalization has been established and completed	5 digitalization has been established and will be fully implemented by q3 of this year. Current status on digital module of Licensee Portal that have been completed are : 1) Management Personel, 2) User Administrator 3)Worker Registration 4) Daily Production Return (DPR) 5) Royalty Assessment (RA)

***STRATEGIC
THRUST 4:
RESEARCH,
DEVELOPMENT,
INNOVATION AND
COMMERCIALISATION***



THRUST 4

RESEARCH, DEVELOPMENT, INNOVATION AND COMMERCIALISATION

4 Achieved 

14 In Progress 

4 Not Started 

MID YEAR UPDATE

	Achieved	In Progress	Not Started
Strategic Objective 1 (8 activities)	1	7	0
Strategic Objective 2 (4 activities)	1	2	1
Strategic Objective 3 (8 activities)	2	4	2
Strategic Objective 4 (2 activities)	0	1	1

STRATEGIC THRUST 4: RESEARCH, DEVELOPMENT, INNOVATION AND COMMERCIALISATION

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
1	Strengthening Research and Development (R&D) in Sustainable Forest Management Implementation.	Identify and establish Permanent Sample Plot (PSP) within FMUs.	5 plots/ year/ FMU to enhance sustainable management for timber resources in the FMU.	5	In-progress.	Not started due to no entry to FMU area imposed by FMU holder due to Covid Pandemic
		Monitoring and assessment of PSP in FMU.	5 assessment/year of timber stocking database revised and established.	5	In-progress.	Not started due to no entry to FMU area imposed by FMU holder due to Covid Pandemic
		Compiling and analyzing data on growth & yield in FMU.	5 plot data/year for recommendation growth and yield of Sarawak PFE.	5	In-progress. 2	In progress : Analysing stage
		Knowledge sharing on research findings through seminar, workshop, conference, etc. (national and international level).	10 scientific publication/year published and/or presented to promote recognition of experts and professions in tropical forest research (explanation in write-up).	10	In-progress. 6	In Progress: 2 Poster and 1 Oral Presentation presented at International Conference. 1 paper submitted for 2nd review; 2 paper submitted for 1st review.
		Research collaboration and/or innovative R&D programmes with all the relevant parties at national and international level.	At least two (2) collaborations project per year to support the implementation of conservation initiatives and opportunities for research funding.	2	Achieved. 3	1. Collaborative research with UPM Bintulu Campus for research activities to support sustainable forest management in Sarawak. 2. Collaborative Research with National Institute of Environmental Studies, Japan(NIES) to develop growth and yield model at Forest management Unit in Sarawak. 3. Collaborative Research with JICA and JST for research in Protected Areas in Sarawak with the title 'Project on development of management system to multiple utilization of biodiversity in the tropical rainforests at the protected areas in Sarawak'.
		Development of artificial Intelligence (AI) for wood identification through smartphone.(SEAC Project)	1 application developed to support forest management and enforcement.	0	In-progress.	In Progress
		Digitalization of Sarawak Xylarium (Wood Library).	100% of wood specimens digitized as reliable references for timber trade within 5 years.	10	In-progress.	Digitalisation of wood specimens is one of the project component proposed under the RMK12 project and is supposed to start in 2023. No funding is available for year 2021 & 2022. However, sorting of macroscopic slides and data in the Xylarium for Sarawak timber species has been started.
2	Strengthening Research and Development in Forest and Marine Biodiversity Conservation	Conduct forest resources assessment.	1 assessment report or list published yearly per PFE area to facilitate decision makers or managers to improve PFE management plan .	1	Not yet started.	There has been no assessment done so far this year due to Covid-19 pandemic restriction.
		Increase collection of selected living plants for ex-situ conservation.	Increment of at least 50% of the plant living collection./at least 10% Increment of the plant living collection	10%	Achieved. 25%	Progress on increment of selected living collection for ex-situ conservation (Zingiberacea and Araceae) as of 30th June 2021 was 24.6%. The collection was conducted on Mid April. However due to restriction movement order starting on 7th June 2021, the trip scheduled on early June has been postponed. The activity will resume after the CMCO is announced to be over.
		Identify and assess forest plant species for conservation prioritization.	20% tree species identified and assessed yearly	20%	In-progress. 14%	Selection of priority forest plant species was done whereby the focus will be on Sarawak endemic trees (estimated 200 tree species are endemic to Sarawak). A list of 28 species identified/verified so far; listing is on-going)
		Implement monitoring and conservation action of prioritized species.	and 5 species conserved yearly	5	In-progress. 3	Only one trip was carried out, which is in April at Sematan and Lundu areas. More trips were planned to collect RTE species for ex situ activities, however, the trips had to be postponed to later date after travelling is allowed to be conducted. 2 RTE species collected for ex situ in April and currently under monitoring in nursery. One CR species observed fruiting.

STRATEGIC THRUST 4: RESEARCH, DEVELOPMENT, INNOVATION AND COMMERCIALISATION (Cont...)

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
3	Strengthening Flora and Fauna Integrated Information Centre.	Updating database and scientific information on herbarium collection.	At least 10% of digital specimens data will be updated and ready to be utilized as references per year.	10%	In-progress. 4%	Total of specimens key in and updated in BRAHMS - progress slow due to Restriction movement and building renovation
		Updating database and scientific information on insectorium collection.		10%	Achieved. 30%	778 new digital data were added to the cumulative existing database.
		Updating database and scientific information on fungarium collection.		10%	Achieved. 40%	2659 of 6000 specimens data has been entered in existing excel. Data are yet to be updated in TEAMS Database
		Updating database/checklist of information on soils lab data.	At least 10% of data will be updated yearly and ready to be utilized as references.	10%	In-progress. 2%	Total of 536 samples collected from 2018-2020. Out of this, 142 samples had been analyzed for parameter such as loss of ignition, moisture content and pH. Pending other parameter after laboratory renovation
		Updating database/ checklist of information on hydrology.		10%	Not yet started.	Constraint of conducting fieldwork due to pandemic movement restrictions
		Establish barcoding system for herbarium collection.	At least 10% of specimens barcoded yearly for easy retrieval and accessibility.	0	In-progress.	NTCF proposal approved but still waiting for approved funding
		Establish barcoding system for insectorium collection.		0	In-progress.	TEAMS ICT Project has just been presented on 18 June 2021 for approval by Project Team to UPPN and SSMU
		Establish barcoding system for fungarium collection.		0	Not yet started.	Scope under TEAMS ICT Project. Barcoding will start 2022
4	Commercialisation of Research and Development (R&D) Products.	Develop propagation protocol for ERT species.	At least 3 potential protocol developed and recommended for commercialisation/mass propagation/ conservation within 5 years .	0	Not yet started.	Laboratory is still under renovation. Expected to be completed in 2022
		Encourage intellectual property registration (e.g. patent).	Two (2) proposed IP or patent submitted for registration in 5 years depending on expertise acknowledged and recognized (third party).	0	In-progress.	KIK project

1

STRENGTHENING
THE DEVELOPMENT
OF INDUSTRIAL
FOREST
MANAGEMENT TO
ACHIEVE ONE (1)
MILLION HECTARES
OF PLANTED
FOREST BY 2025

3

STRENGTHENING
R&D TO SUPPORT
RESTORATION AND
INDUSTRIAL
FOREST

2

STRENGTHENING
BIG SCALE FOREST
LANDSCAPE
RESTORATION
PROGRAMME

***STRATEGIC
THRUST 5:
RESTORATION
AND
INDUSTRIAL
FOREST***

THRUST 5

RESTORATION AND INDUSTRIAL FOREST

11 Achieved 

21 In Progress 

2 Not Started 

MID YEAR UPDATE			
	Achieved	In Progress	Not Started
Strategic Objective 1 (4 activities)	1	3	0
Strategic Objective 2 (10 activities) • 1 Activity with 2 outcomes • 1 activity with 3 outcomes	5	8	0
Strategic Objective 3 (17 activities)	5	10	2

STRATEGIC THRUST 5: RESTORATION AND INDUSTRIAL FOREST

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
1	Strengthening the development of Industrial Forest Management to achieve one (1) million hectares of planted forest by 2025.	Engagement program conducted such as workshop, discussion, talk, roadshow and dialog.	2 relevant policies/rules/ regulation/ guidelines formulated or reviewed annually.	2	Achieved. 6	<p>List of Engagement Program been initiated to formulate/review the related document;</p> <p>1) 13/01/2021@9am@Ramin - Preparatory Meeting to organize a Workshop on Review of the Legislation on Planted Forests. Chaired by AD. RIFD, Miss Zarina.</p> <p>2) 27/01/2021@08.30am@Ramin - 2nd Preparatory Meeting to organize a Workshop on Review of the Legislation on Planted Forests. Chaired by SrAD. LID, Tn Johin.</p> <p>3) 01/02/2021 - 03/02/2021, Damai Resort, Kuching - Workshop on Review of the Legislation on Planted Forests.</p> <p>4) RFOs Meeting No.1/2021 on 15 March 2021</p> <p>5) LPFs Holder Meeting No.1/2021 on 15-16 March 2021 -Imperial Hotel Miri & 18-19March 2021-Nu Hotel, Bintulu.</p> <p>Decision been made outcome of the Workshop;</p> <p>1. AMMENDMENT TO THE PART (a) OF THE THIRD SCHEDULE (SPECIAL CONDITION) TO ALL LICENCE FOR PLANTED FORESTS- Clause 6 (Harvesting Operation) of the Third Schedule - to review a minimum percentage of planting progress from 70% as agreed during the recent Workshop on Review of the Legislation on Planted Forests to 50%. (on going) RIFD/PMD</p> <p>2. Reviewed on Half Yearly Report (HYR) Format - Inserting additional New Appendix No.13-DETAILS OF INDUSTRIAL TREE PLANTING (ITP) HARVESTING IN LPF/XXXX. Ref Letter No.: (5)JHS/RIFD/600-8/4/100(Jld.6) dated 6 May 2021. (Done). RIFD</p> <p>3. To proposed table under Schedule on damages committed by Licencee (Late submission, etc) (yet to be taken) - RIFD/Legal Unit</p> <p>4) Variation of TPP to inform LPF Holder and truthful information (still under data cleansing process). - RIFD</p> <p>5) Standardise LPF data with Licencee Portal: Catch up plan Module TPP, Management Module, Nursery Management Module, Half Yearly Report Module - Come out with NEW Work Flow Process purposely for TEAMS Projects. (On Going) RIFD</p> <p>6) Review rate of Charges and Fees-DF Agreed to put up Proposal paper to MUDENR on Rates – To amend Rule 28- Unless varied by the Director under rule 32, the annual licence fee shall be computed on the basis of 10 sen per hectare of land under the licence, subject to a maximum of RM10,000.00 per annum. ii) To amend Rule 31- The fees for the inspection of the Register shall be Other fees. RM10.00 for each inspection and certified copies of documents or particulars in the Register may be supplied at the cost of RM1.00 per folio. (yet to be taken). – RDMD</p>
		<p>Enforce policies on Industrial forest management certification practices.</p> <p>b;</p> <ul style="list-style-type: none"> Identify and enforce internal special taskforce for FPMU team (Inter Division/RFOs involvement). Develop Framework for FPMU. Awareness/Roadshow Programmes. Enforce new policies by 2025. 	20 FPMU certified within 5 years.	2	In-progress.	<p>Updates on certification status have been reported by two LPFs (LPF/0003-Daiken, Bintulu) and LPF/0004- Woodman, Kuala Baram) at the LPF Holder Meeting in Bintulu and Miri held on 15-16/3/2021 and 18-19/3/2021 respectively. The certification audit process and community engagement planned by the department have been delayed due to movement restrictions (MCO).</p> <p>(i) LPF/0003 stage 1 audit has been rescheduled the early next year.</p> <p>(ii) LPF/0004, Due to movement restriction under MCO, remote audit for stage 1 was done in 2020 and still require site visit to complete. Stage 1& 2 are to be completed once the auditors can travel expected by end of 2021 or as soon as after the lifting of MCO.</p>
		Develop and apply Industrial Tree Plantation (ITP) Compliance Rating to all active LPF licences.	100% active LPF licences been rated.	45	In-progress.	<p>Rated Report for all 45 LPF Licence will be produced at the end of the year 2021 .</p> <p>1st Phase : Industrial Forest Data Management (Data Compiling, Cleaning, Updating)</p> <p>2nd Phase: Data Verification: Through Auditing and Monitoring : Ground truthing, Satellite Imagery, Drone, GPS etc.</p> <p>3rd Phase: Analyzing and Categorizing LPF based on verified Data.</p>
		To ensure no new oil palm planting in LPF with immediate effect.	100 % area monitor using GIS and at least 2 inspection conducted purposely for conversion of oil palm to ITP annually.	100% (2 inspections)	In-progress.	<p>A Post MCO Audit Plan for Year 2021 had been submitted to AD RIFD dated 29 June 2021.</p> <p>For oil palm, two areas namely; RH FOREST CORPORATION SDN BHD (LPF/0034) REJANG HEIGHT SDN BHD (LPF/0035) proposed to be audited in November 2021</p>

STRATEGIC THRUST 5: RESTORATION AND INDUSTRIAL FOREST (Cont...)

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
2	Strengthening big scale Forest Landscape Restoration (FLR) Programme.	Tree planting through reforestation, enrichment planting, landscaping, agroforestry options, forest plantation etc throughout Sarawak.	At least 7 mil trees been planted annually.	7 million trees	In-progress. 6,284,085	
		Developing effective supervision and monitoring mechanism of DF circular No.2/2019 for restoration by FTL & LPF	At least 5 FTL audited/inspected/ verified annually.	5	In-progress. 1	First Audit completed at PF/3671 (Lembaga Amanah Kebajikan Islam Kuala Rejang) located in Sarikei. Workshop on effective supervision and monitoring mechanism of DF Circular No. 2/2019 to be conducted post MCO with expected Workshop Outcome: Enrichment Planting Guidelines FTL & LPF in Sarawak.
		Monitoring and assessment of FLR planting trials.	100% area monitor using GIS and at least 2 FLR planting been assessed annually.	100% (2 assessed)	In-progress. 1	1 (ONE) FLR planting site in Sabal has been assessed. •GIS monitoring for FLR planting area planted by FDS (RIFD & RFOs) in on-going.
		Develop comprehensive FLR Database System.	1 FLR website developed in 2021 and 100% data updated annually.	FLR website	Achieved and On-going process for data updating. 100% data updated	No approval from SS Office to develop FLR Website since we already have official Forest Department Website. Nevertheless, 100% planting data submitted has been updated in website Penghijauan Malaysia and manual record. Meanwhile for updating the activities and progress, 2 persons from RIFD has been appointed as page admin.
		To increase public participation and involvement.	At least 1 MoU signed annually	1	Achieved. 2	Memorandum of Understanding (MOU) involved/between 1) Forest Department Sarawak & Sime Darby Plantation & Universiti Putra Malaysia (Tripartite) 2) Forest Department Sarawak & Sarawak Energy Berhad
			At least 5 planting program/collaboration with other agencies annually.	5	In-progress. 3	Planting program/ collaboration with 3 following agencies thus far: 1. JMA (Sabal FR & Sempadi FR - Throughout the year) 2. Department of Survey and Mapping Malaysia Sarawak Branch (Sarawak State Library, 18 March 2021) 3. DBKU in-conjunction with International Day of Forests (Taman Tasik Bukit Siol, 26 March 2021) Planting program/collaboration with the following agencies are in plan: 1. Jabatan Bomba Negeri Sarawak 2. Agensi di bawah KeTSA cawangan Sarawak 3. Global Environmental Center (GEC) 4. NREB Cawangan Miri 5. Bintulu Port, Bintulu
		Establishment of Centre of Excellent (COE) for FLR.	At least 1 Centre Of Excellence for FLR initiated annually.	1	Achieved & on-going process. 1	Comprehensive plan for establishment of Sabal Forest Forest Landscape Restoration Centre as Centre of Excellence for FLR has been initiated. Implementation is in progress.
			At least 3 infrastructures developed/improved/ maintained to support establishment of COE.	3	In-progress. 0	1. The office building of Sabal in the process of JKR doing the repair and maintenance work. 2. Sabal Road in the process of preparing document Tender for the main road into Model forest Sabal. 3. Preparing container for Bakam and kayangeran as site office.
			1 forest fires management plan developed for each of 1 FLR Centre Of Excellence (COE) annually.	1	In-progress. 0	First meeting with Jabatan Bomba dan Penyelamat Malaysia Negeri Sarawak on 26 April 2021 had been adjourned to another date after MCO 3.0. Draft of slides presentation had been submitted for AD RIFD perusal on 29 June 2021.
		To maintain and improve facilities at the existing 4 nurseries namely Semengoh, Sabal, STIC Sibu and Niah.	4 current nurseries been maintained and improved annually.	4	Achieved & on-going process. 4	Completed and on-going All nurseries are undergoing maintenances from time to time.

STRATEGIC THRUST 5: RESTORATION AND INDUSTRIAL FOREST (Cont...)

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
2	Strengthening big scale Forest Landscape Restoration (FLR) Programme.	To establish new nurseries and facilities.	At least 9 new nurseries established in 5 years.	3	In-progress. 2	1. Bintawa Nursery (Completed) 2. Lundu Nursery (Completed) 3. Sarikei Nursery (In progress sub-warrant to JKR for land clearing and construction of gabion)
		Seedling production and maintenancance.	Annual production of 200k - 500k planting material annually.	200k	Achieved & on-going process. 244,865	
		To establish new Seed Production Area (SPA) for indigeneous tree species.	At least 3 SPA of indigenous timber species established annually.	3	In-progress. 1	1. Sabal FR @ 83 mother trees of mixed high value indigenous species (Completed) 2. Balai Ringin FR (In progress. Mother tree of Engkabang jantong has been identified and establishment of SPA will be carried after MCO) 3. Mother tree from a few peat swamp area has been identified by RFO Sibul. Evaluation and assessment for establishment of SPA will be carried out after MCO.
3	Strengthening R&D to support Restoration and Industrial Forest.	To identify and establish breeding plot.	At least one plot established in the first two years.	1	In-progress. 0	Discussion was done with the potential LPF for the establishment of breeding plot Selection on the improved families for Acacia crassicarpa was completed. A total of 66 improved families was selected. Quotation submitted for tender exercise.
		Establishment of eucalyptus trial plot (improved materials from CERC)	Establish 6 plots in the first three years.	2	In-progress. 0	Discussion was done with the potential LPF for the establishment of breeding plot Selection on the improved materials for Eucalyptus hybrid was completed. <input type="checkbox"/> Waiting for the quotation from China Discussion to establish a R&D collaboration with CERC.
		Establishment of new Seed Production Areas (SSA) (taxa trial conversion) in various LPFs areas.	At least 2 technical service rendered to LPFs in establishing SPA.	2	In-progress. 0	Identification of taxa trials for conversion is still in progress.
		Establishment of Seedling Seed Orchard (SSO)(progeny trial conversion) in various LPFs areas.	At least one technical service rendered to LPFs in establishing SSO.	1	Achieved. 1	1 progeny trial of A. crassicarpa at LPF014 Samling trial has been converted to Seedling Seed Orchard (SSO) through a final thinning.
		Establishment cuttings hedge garden at various LPF holders.	At least 2 technical service rendered to LPFs in establishing hedge garden.	2	In-progress. 0	Attainment of cuttings as planting materials from standing trees at trial plots is still in progress.
		To evaluate the performance of the existing species planted by LPF holders.	At least 2 growth and yield report to be produced per year for selected LPFs.	2	In-progress. 1	1 (ONE) Growth and Yield report for LPF 0042 has been submitted to Polima Forest (Bintulu) Sdn. Bhd) in April. Due to MCO, Growth and Yield activity has been put on hold as travelling between zones/districts is restricted.
		To establish pest and disease permanent monitoring plots at LPFs.	At least 3 pest and diseases factsheets/report to be produced per year.	4	In-progress. 1	1 (ONE) Technical Report submitted to Polima Forest Bintulu Sdn. Bhd. (LPF/0042) on 6 May 2021: Findings on the Establishment and assessment of six (6) Permanent Pests & Diseases Surveillance and Monitoring Plots. 2. Ten (10) Permanent Pests & Diseases Surveillance and Monitoring Plots established at LPF0014 Segan, Bintulu of Samling Reforestation; 490 Acacia mangium trees assessed with the main objective to determine the intensity of the spread of Ceratocystis and other factors affecting the health the stands. Data still being analyzed.
		Management of pests and diseases	At least 3 guidelines on Pests and diseases management to be produced per year.	3	In-progress. 0	Disease management: In progress Pest management: In progress
		To carry out seed handling and seed storage trials on various exotic seed species.	At least 2 guidelines on seed handling and storage to be produced per year.	2	In-progress. 0	

STRATEGIC THRUST 5: RESTORATION AND INDUSTRIAL FOREST (Cont...)

No.	Strategic Objectives	Activities	Outcome	2021		Status / Remarks
				Target	Mid-year	
3	Strengthening R&D to support Restoration and Industrial Forest.	To evaluate the performance of the existing species planted and identify other potential species.	10 plots to be established in 5 years time	2	Achieved & in-progress. 6	6 plots have been established between March - April (LPF 0042). Due to MCO, plot establishment activity has been put on hold as travelling between zones/districts is restricted. AT LEAST another 6 plots have been planned to be established by end of this year.
		Management of pests and diseases.	9 guidelines on Pests and diseases management to be produced in 5 years time.	0	Not yet started.	Start only at 2022
		To establish new research trials of potential species.	10 plots to be established in 5 years time.	0	Not yet started.	Start only at 2022
		To carry out temporary and /or long-term seed storage trials for indigenous seed species.	At least 2 guidelines on seed handling and storage to be produced per year.	2	Achieved. 2	Produced "Species Info and Seed Handling Guidelines" for 2 indigenous species: 1. Kelampayan (Neolamarckia cadamba) 2. Engkabang jantung (Shorea macrophylla)
		To establish SPA in natural forest on indigenous species for forest plantation.	At least 4 SPA to be established yearly.	4	In-progress. 2	2 SPAs for Geronggang (Cratoxylum arborescens) were established thus far at Sabal FR and Sampadi FR respectively. 2 more will be established in another half of 2021.
		Research collaboration with other research institutes, universities, NGO and etc. at national and international level.	At least 1 Collaborations and support in the implementation of genetic improvement initiatives.	1	Achieved. 1	One(1) research collaboration established with UPM Serdang on "Development of Control and management strategies for pests and diseases of Eucalyptus in Sarawak's forest plantation"
		Improve research capacity building.	At least 2 per year.	2	Achieved. 3	1. Main Organizer for the 3rd IUFRO Acacia Webinar in 26-28 October 2021 2. Slides preparation on "Throw and Grow" Seed Ball for Forest Landscape Restoration in the Knowledge Sharing Session in FDS on 10 June 2021 3. Presented on "Throw and Grow" Seed Ball for Forest Landscape Restoration in the Knowledge Sharing Session in MUDeRN, 24 June 2021
		Encourage scientific publication.	At least one paper from each sub-unit per year	4	In-progress. 0	1. Invited as an international reviewer for BMC Genomics and reviewed a paper on "Fine dissection of limber pine resistance to Cronartium ribicola using targeted sequencing of the NLR family" 2. Invited as an international reviewer for Mitochondrial DNA Part B: Resources and reviewed a paper on "The complete mitochondrial genome sequence of Neolamarckia cadamba (Roxb.) Bosser (Rubiaceae)" 3. Paper preparation on "Wilding propagation of indigenous species as an alternative for production of tree planting material" for 3rd IUFRO Acacia Webinar 2021, Norsyarina Welman 4. Paper preparation on "SUSTAINING AGGRESSIVE INDUSTRIAL FOREST PLANTATION (ITP) IN SARAWAK THROUGH EMPHASIZING RESEARCH AND DEVELOPMENT (R&D)- CASE STUDY ON SARAWAK PLANTED FOREST SDN. BHD AND SAMLING REFORESTATION SDN. BHD", Shek Ling Pang, Annya Ambrose, Paul Valentine, Francois Blignaut, Norsyarina Welman, Sabrina Aslan Joe, Zarina Shebli & Jack Liam, to Malaysian Forestry Conference. 5. Paper preparation on "Management of Industrial Forest Plantation (ITP): In Maximizing the Production Potential of Wood from Industrial Forest", Paul, V., Annya, A., Shek, L.P., Zarina, S. & Jack, L., to Malaysian Forester Journal



**STRENGTHENING
SOCIAL FORESTRY**

**STRENGTHENING
URBAN FORESTRY**

***STRATEGIC
THRUST 6:
SOCIAL AND
URBAN
FORESTRY***

① **Achieved** 

① **In Progress** 

⑦ **Not Started** 

THRUST 6

SOCIAL AND URBAN FORESTRY

MID YEAR UPDATE

	Achieved	In Progress	Not Started
Strategic Objective 1 (8 activities)	0	1	7
Strategic Objective 2 (1 activities)	1	0	0

STRATEGIC THRUST 6: SOCIAL AND URBAN FORESTRY

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-year	
1	Strengthening Social Forestry.	To develop Social Forestry Statement of Policy and Guidelines.	3 guidelines on innovative and sustainable management of Social Forestry established starting from 2023.	0	Not yet started.	Guidelines will commence on 2023
		To implement awareness campaign and capacity building of staff and stakeholders.	20 activities on awareness program been conducted among stakeholders to strengthen knowledge and skill on Social Forestry.	4	In-progress. 1	SFD had conducted ONE (1) awareness program at RH George, Nanga Delok, Batang Ai on 5th April 2021
		To collect social profiling data and identify potential area in PFE for carbon projects.	10 PFEs covered/site data collected will be incorporate into national SF database for future planning.	2	Not yet started.	Due to MCO, social profiling activities will be put on hold
		To identify and appoint co-management agents to manage and maintain projects.	5 co-management agents been appointed through MoA/MoU/HoA/Permit certificates/License.	1	Not yet started.	Due to MCO, social profiling activities will be put on hold
		To select and accredit potential Players/Products/Certified to be accredited.	4 type of products/players to be selected for recognition or branding.	0	Not yet started.	Selection process will commence 2022
		To develop management plan for existing communal forest.	2 management plans to be developed to enhance knowledge and skills of communities within/surrounding communal forest.	0	Not yet started.	
		To evaluate existing Social Forestry and Community Programmes/ Activities.	10 activities will be evaluated as the best SF best practices.	2	Not yet started.	The evaluation cannot been done due to MCO and restricted movement.
		To designate area to be promoted as the best Social Forestry practices	1 area to be recognised by accredited bodies (Control Union, RECOFTC, APFNet).	0	Not yet started.	
2	Strengthening Urban Forestry.	To establish a green lung in the urban area	at least 1 activity implemented and constructed annually	1	Achieved. 1	Tree Inventories (February 2021) and tree restoration (FLR) at Bukit Siol, DBKU has been done during IDF 2021.

STRATEGIC THRUST 7:

*TECHNOLOGY APPLICATION
IN FORESTRY:
LEVERAGING ON
TECHNOLOGY FOR EFFECTIVE
FOREST MANAGEMENT*

**PROVISION AND GEOSPATIAL
SERVICES**

**STRATEGIC
COLLABORATION**

THRUST 7

LEVERAGING ON TECHNOLOGY FOR EFFECTIVE FOREST MANAGEMENT

3 Achieved 

7 In Progress 

0 Not Started 

MID YEAR UPDATE

	Achieved	In Progress	Not Started
Strategic Objective 1 (7 activities; with two (2) activities having 2 outcomes	3	6	0
Strategic Objective 2 (1 activity)	0	1	0

STRATEGIC THRUST 7: LEVERAGING ON TECHNOLOGY FOR EFFECTIVE FOREST MANAGEMENT

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
1	Provision & geospatial services.	EFIMS: Adoption of land and survey operation map for FD base layer.	At least 80% adoption of land and survey operation map for FD base layer updated.	80%	In-progress. 0%	Discussion has been initial on 05.03.2020 and FDS followed up with a Letter to SMA on 10.03.2020 ref (3)JHS/600/3/9/101/Jld.2(T) but no reply from SMA or Land and Survey (not initiated)
		EFIMS: Establish data capture and monitoring PEC data in RFOs.	At least 80% of active PEC converted, captured and migrated to digital in RFOs.	80%	In-progress. 34%	31 out of 92 coupe boundary has been digitize. No progress from RFOs (sending FTG-Geospatial team by Mid August to assist with implementation)
		To conduct Business Process Improvement (BPI) for License for Planted Forest (LPF)/ RIL/ SFM/ IPTS/ Landscape Restoration/ Licensee Portal/ PFEs portal.	At least 2 BPI conducted per year.	2	In-progress. 0%	Internal BPI for component 2 (SFM/RIL), component 4 (Boundary Management) and component 5 (FRAMES) initiated. Review on Data Driven Transformation (dashboard) proposal
		Enhancement of existing ICT system. <ul style="list-style-type: none"> Enterprise Forest Information Management System (EFIMS). Revenue & Log Tracking System (REVLOG). Investigation Paper Tracking System (IPTS). 	At least 2 new modules introduced per year.	2	Achieved. 3	EFIMS and IPTS enhancement proposal approved through JKP 1 on 18th June 2021; project was kicked off on 16 July 2021. User requirement study done On 3rd and 4th August 2021. RDID project approved.
		Dissemination data and information in command and control centre (COMOS).	At least 80% coverage areas of all PFEs and Forest Timber Licenses are monitored throughout the State per year.	80%	In-progress. 65%	65% PFE area monitored
			8 set of Effective detection on encroachment and non compliance.	8	Achieved. 9	10 operasi telah dilaksanakan: (i) 2 operasi rengas (ii) 4 operasi udara yang dijalankan oleh FTG sendiri (iii) 1 operasi mengikut Pejabat Hutan Wilayah - RFO Sibul/RFO Bintulu/ RFO Sri Aman/RFO Sarikei (iv) July Operasi 2 - Bintulu
		To update Permanent Forest Estates (PFEs) geospatial data through Clean House Mechanism.	100% Geospatial Data Administrative Boundaries Verified; <ul style="list-style-type: none"> PFE involved. PL involved. 	20%	Achieved. 20%	Already submitted to CCD. CCD already forwarded to L&S for verification. Waiting for reply from L&S. After L&S reply, need to update accordingly
		Establish centralized UAV centre Coordinated drone operation and activities within department.	At least 10 permits per year.	10	In-progress. 2	2 permits (ATF) successfully obtained 1 permit (ATF) pending. Indicator to be revised to GAO application annually = 1
			At least 2 training coordinated per year.	2	In-progress. 1	Kursus Asas Pengoperasian Dron JHS pada 07 Julai 2021. 235 participants from all RFO + Div.
2	Strategic collaboration.	Determine scope of synergistic collaboration with external parties.	2 MoU and MoA signed by year 2025. Technological transfer and long term working relationship.	0	In-progress. 0%	2 meetings with STIDC on Bamboo Inventory, pending MOU and next phase preparation of documents. Phase 1 inventory led by FDS(FTG)

***STRATEGIC
THRUST 8:
INTERNATIONAL
AFFAIRS***

**TO ACCELERATE
INTERNATIONAL
AGREEMENT / PROJECTS
INITIATIVE**

01

**TO STRENGTHEN
INTERNATIONAL
COLLABORATIONS
AND PARTNERSHIP**

02

**TO ELEVATE GLOBAL
RECOGNITION AND
VISIBILITY**

03

7 Achieved



0 In Progress



1 Not Started



THRUST 8

INTERNATIONAL AFFAIRS

MID YEAR UPDATE

	Achieved	In Progress	Not Started
Strategic Objective 1 (3 activities)	3	0	0
Strategic Objective 2 (3 activities)	3	0	0
Strategic Objective 3 (2 activities)	1	0	1

STRATEGIC THRUST 8: INTERNATIONAL AFFAIRS

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
1	To accelerate international agreement / projects initiative.	Deliberation and addressing of Issues related to treaties on forestry and biodiversity.	At least 2 meeting conducted.	2	Achieved. 6	Participated as delegates in the plenary session - SBSTTA & SBI from 3 Mei - 13 Jun 2021 (3-4/5/21, 16-18/5/21, 24-26/5/21, 28-30/5/21, 7-9/6/21, 11-13/6/21), GEF, UNESCO Biosphere
		Prepare proposal for potential project and seek international donors (including NGOs) and government funding .	At least 1 proposal submitted.	1	Achieved. 1	FOLUR Approved at state level and further discussion with UNDP/Federal
		Plan, coordinate and monitor the project implementation.	At least 2 programmes conducted.	2	Achieved. 3	GEF, HoB, MoU between 9 planted forest companies and FDS
2	To strengthen international collaborations & partnership.	Implement international collaborative programmes.	At least 2 joint collaboration activities.	2	Achieved. 2	HoB, SMPPEM & SUPA
		Participate or organize relevant international or national event such as conference, seminar, meetings etc.	At least 2 participation joint international event.	2	Achieved. 7	SBSTTA, SBI, APBON, FTTWG (Malaysia-Australia), APEC, BIMP-EAGA, ITTO/ITTC,
		Prepare progress report.	At least 2 progress monitored and updated.	2	Achieved. 3	HoB, SMPPEM & SUPA
3	To elevate global recognition & visibility.	Prepare and disseminate up to date information through social media/multimedia.	At least 2 publish product circulate.	2	Achieved. 2	Borneo Talk, Malayan Nature Journal
		Organize journalists and other media representatives engagement programs.	At least 1 media engagement.	1	Not yet started.	No media engagement due to pandemic situation



STRATEGIC THRUST 9: FINANCIAL AND HUMAN RESOURCE

THRUST 9

FINANCIAL AND HUMAN RESOURCE

6 Achieved 

22 In Progress 

0 Not Started 

MID YEAR UPDATE

	Achieved	In Progress	Not Started
Strategic Objective 1 (3 activities)	0	3	0
Strategic Objective 2 (2 activities)	0	2	0
Strategic Objective 3 (14 activities; 1 activity with 2 outcome and 1 activity with 5 outcome)	6	13	0
Strategic Objective 4 (3 activities)	0	3	0
Strategic Objective 5 (1 Activity)	0	1	0

STRATEGIC THRUST 9: FINANCIAL AND HUMAN RESOURCE

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
1	Prudent Financial Management.	i. Analyzing & preparing monthly physical and financial report. ii. Conduct quarterly meeting. iii. Final meeting to analyse and yearly report performance.	At least 90% of State Development Budget optimally used for project implementation based on project scope.	90%	In-progress. 3.92%	The implementation of all 3 projects under state fund are severely affected due to covid-19 pandemic. Details of remarks/justification are as follows:- 1. Proposed Implementation of Forest Landscape Restoration Program Throughout Sarawak - 52050202 a. FLR activities and progress in June have been constrained due to Movement Control Order (MCO) since 29 May 2021. Only seedling production and nursery maintenance activities is operating at a minimal function while all the field planting and silvicultural maintenance need to be postponed. b. Appointment of JKR Sarawak as Implementing Agency for facilities improvement at (i) Sabal Forest Landscape Restoration Center and (ii) Niah Research Station as well as (iii) land clearings works for nursery establishment in Sarikei is at final stage. Total estimated allocation of RM828,012.46 will be sub-warrant to JKR Sarawak in July for execution of works. c. Few meetings and discussions of R&D activities as well as potential collaboration with IPTA for drone seeding has been conducted and preparation for field testing will be carried out once the MCO is lifted. d. Out of RM9,529,502.10, total of RM1,091,462.40 is commitment that has been sub-warrant to 8 Regional Forest Office for FLR implementation. 2. Establishment of Centre of Excellence for Planted Forest R&D (previously known as High Quality Planting Materials For Forest Plantation in Sarawak) - 52140100 a. Submitted a list of chemical amounting to RM130K for tender exercise to HOD b. Submitted list of consumable for laboratory with estimated cost of RM 101k for tender exercise to HOD for further action c. A list of equipment with estimated cost of RM 130k was submitted to HOD for tender exercise d. Prepared and submitted a list of requirement software for data analysis with estimated amount of RM 53k for quotation exercise to HOD e. Phenology study was conducted at Sabal plot 1 and plot 2 for Geronggang species. A total of 22 trees were found to have mostly matured inflorescences. f. Re-establishment of research plot for control and mitigation of stem borer was conducted at Polima. g. Presentation on the 'Throw and Grow' Seed Ball project was done for the knowledge sharing session for FDS as well as knowledge sharing session for MUDerN. h. A new batch of seed ball was prepared for Nauclea orientalis and terbulan i. Discussion with RDID and FTG on the drone seeding testing of the seed ball for strength testing, demo plot at Lobok Ria and the research plot at Sabal 3. Establishment of Permanent Sample Plot (PSP) Network in Sarawak- 53051200 a. Plot establishment and assessment (0% complete) (i) A research network with Bintulu Regional Office was discussed with the RFO Bintulu (Mr. Michael Ngelai) and agreed upon. Collaboration emphasis on involvement of staff for the future field work in Bintulu region. (ii) No field work as no entry to FMU imposed b. Data analysis (8.6% (from 20%) completed)) (i) Growth and Yield analysis for 5 plots in Anap Muput is 70% completed and is done by Mr. Bryan Pasty Anak Layang (ex-staff of Zedtee), an independent collaborator of PSP project. (ii) Forest recovery and review of harvesting cycle analysis is in progress and done by Bibian Diway (iii) Impact of logging on species composition and stand structure by Ling Chea Yiing c. Upgrading of research facilities at RDID for identification and database: (2% completed) (i) Cost estimated by JKR amounting RM 114,300.00 received for upgrading of laboratories, electrical work and installation of heater and aircond. d. Application of LIDAR for model development (0%) : Appointment of consultant from NIES, Japan KIV due to Pandemic e. Sharing of knowledge : Planning and paperwork is in progress to organise zoom seminar to share preliminary finding.
		i. Analyzing & preparing monthly physical and financial report. ii. Conduct quarterly meeting. iii. Final meeting to analyse and yearly report performance.	At least 90% of Federal Development Budget optimally used for project implementation based on project scope.	90%	In-progress. 22.24%	Federal Fund: RM17,495,00.00 (Waran Sekat Bil 1 Thn 2021 WPA0018 dd 21 Jun 2021 sejumlah RM300,000). Expenditure until 30 June 2021; RM3,958,199.96 (22.24%). Implementation of projects (12 projects) are way behind due to covid-19 situation. RM5,096,855.00, has returned back to KeTSA due to Arahan Sekatar Peruntukan on 16 June 2021 involving 9 projects.

STRATEGIC THRUST 9: FINANCIAL AND HUMAN RESOURCE (Cont...)

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
1	Prudent Financial Management.	i. Analyzing & preparing monthly physical and financial report. ii. Conduct quarterly meeting. iii. Final meeting to analyse and yearly report performance.	At least 95% of OPEX Budget optimally used.	95%	In-progress. 48%	
2	Ensure Financial Regulatory Compliance.	i. To monitor from time to time on financial compliance. ii. To conduct a meeting for updating data and for monitoring purposes. iii. Scheduled inspectorate/oversight visit to RFOs.	At least 80% compliances.	80%	In-progress. 75%	Number of non compliance on AP100a & AP58a
		Conduct internal inspection to comply with financial and accounting procedure	At least 90% compliances.	90%	In-progress. 75%	Number of non compliance on AP100a & AP58a. We haven't conduct surprise check (that is AP 308/309)
3	Strengthening Human Capital.	Preparation and submission of restructuring paper.	100% completed by year 2021.	100%	Achieved. 100%	Restructuring paper submitted to JPA in March 2021 for decision.
		Implementation of the new Organisation structure.	100% functional Organisation structure .	60%	In-progress. 20%	The department is using the new organisation as an operational structure framework but not the number of workforce
		Review of Human Resource Strategic Plan.	Excellent human resource management and human resource development.	1	In-progress. 0	In the process of reviewing
		Review of Succession Plan.	The right people at the right place for important and critical posts.	1	In-progress. 0	In the process of reviewing
		Enhance Training, Education and Development through competency based programs	At least 85% of workforce achieved required training hours.	85%	In-progress. 29%	Not many courses to be attended by the workforce.
			Atleast 30 programs organised per year.	30	In-progress.	Limited number of training can be conducted due to Covid-19 SOP restriction. Most of the programs were conducted online.
		Enhance Employee Performance Management through planning, organizing, monitoring and rewarding process.	Atleast 70% of the officers achieving LPNT >85%.	70%	Achieved. 85%	Based on LNPT 2020
		Managing culture change.	11 activities and programs conducted within 5 years.	4	Achieved. 7	
		Mentoring Program for newly appointed and promoted officers.	At least 5 mentor-mentee.	5	Achieved. 12	
		Activities and programs to enhance integrity, professionalism and accountability internal and external.	5 activities per year.	5	In-progress. 2	(1.) Hari Integriti Jabatan Hutan Sarawak 2021 and Pra-Pelancaran Pelan AntiRasuah Organisasi (OACP) Jabatan Hutan Sarawak 2021-2025 was held on 17th March 2021 at Imperial Hotel, Kuching. (2.) Taklimat Penerangan Ringkas Pensijilan Anti-Bribery Management System (ABMS) was held on 25th June 2021 through Google Meet.

STRATEGIC THRUST 9: FINANCIAL AND HUMAN RESOURCE (Cont...)

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
3	Strengthening Human Capital.	Internal Audit	At least 2 per year.	2	In-progress. 1	(1.) Jabatan Audit Negara (JAN) has conducted the Audit Entrance Conference on Forest Management and Impact on the Environment on 19th April 2021. The auditing process was done started on 26th April 2021 until 03rd May 2021 which covered selective division at JHS. (2.) Mesyuarat Jawatankuasa Audit Dalam Ekosistem Kondusif Sektor Awam (EKSA) JHS was held on 07th May 2021 to discuss the suitable date to perform internal audit and the rising issues related with EKSA auditing.
		To be certified in ISO Quality Management System (QMS) ISO 9001-2015 in compliance & revenue.	At least 2 MRM per year.	2	In-progress. 0	Discussion & draf of TOR regarding Management Review Meeting MRM on July 2021.
			At least 2 training/ awareness program per year.	2	In-progress. 0	2 program on 15th & 22th June 2021 postponed due to MCO.
			100 % documented before 2025.	0%	In-progress. 0%	30 officers has been identified throughout Sarawak for documentation purpose. They will be trained on ISO in 2021.
			At least 2 IQA before 2025.	0	In-progress. 0	Internal Quality Audit Training to be done on 2021/2022.
			At least 1 Certification Audit before end of 2025.	0	In-progress. 0	Target 1 certification Audit to be done before 2025.
		Implimentation of EKSA.	At least 1 office certified per year. Excellent and productive work culture.	1	In-progress. 0	Audit has not been done until July 2021 (Tentatively 1st Audit on April).
		Implementation of SCS-ICC (Innovation & Creative Circle) initiatives.	At least one quality product/ initiatives implemented in organization.	1	Achieved. 1	Innovation created by Flares to be use for restoration purpose.
		Developing High Performance Team (HPT)	At least two HPT success and recognised/ awarded within 5 years.	1	Achieved. 1	(1)HPT titled Improve the Effectiveness of Enforcement to Combat Illegal Logging. (2) Pemuliharaan Landskap hutan dengan cara pengkomersialan hutan-tani di Sarawak (This Project started on 2019 and the project still work in progress.)
4	Strengthening Organization Development.	Monitoring implementation of Organization Development Programme. What is the activity?	At least 90% activities implemented.	90%	In-progress. 57%	i. Penerbitan Pelan Strategik JHS 2021 - 2025. ii. Pelaksanaan SCS Scorecard JHS 2021. iii. Pelaksanaan myPortfolio. iv. Pelaksanaan ICC JHS. v. Kursus Semangat Kerja Berpasukan (3 Siri: Zon Selatan: 29-31 March 2021, ii. Zon Tengah: Bulan September 2021) & Zon Utara: Bulan Oktober 2021).
		Review the achievement of Strategic Thrust activity.	At least 80% activities success implemented.	80%	In-progress.	MidYear Assesment of FDS SP 2021-2025 already submitted to the committee for compilation & 1st meeting will be conveyed on 3rd of August 2021.
		Knowledge sharing on Organization Development Programme.	At least 4 knowledge sharing on Organization Development Programme rendered per year.	4	In-progress. 1	MyPortfolio, Strategic Planning Knowledge Sharing & Roadshow cant be done due to MCO. Knowledge sharing to the top management in JKPOP meeting.

STRATEGIC THRUST 9: FINANCIAL AND HUMAN RESOURCE (Cont...)

NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
5	New suggestion/ direction by State Government.	To identify new ideas / strategic directions proposed by government authorities if any.	At least 1 Strategic Direction after 5 years.	1	In-progress.	<p>Sebanyak 16 cadangan polisi telah dibentangkan oleh Timbalan Pengarah Hutan (Pengurusan Pembangunan) dan dikemaskini seperti berikut:</p> <ul style="list-style-type: none"> i. Development and eco-tourism program within Communal Forests and Amenity Forests. ii. Logging eco-tourism Industry in Sarawak. iii. Suspension/Termination of Long Term FTLs that fail to implement FMC by 2020. iv. Digitalization of forestry activities in Sarawak. v. Revised Policy Direction on LPF vi. Protection and conservation of Terrain Class IV in Sarawak vii. Buffer zone within FTLS in Sarawak viii. Development and management of Mangrove Forest. ix. Trained Workmen in forestry activity. x. Strengthening disposal of seized logs. xi. Rehabilitation and conservation of Peat Swamp Forest in Sarawak. xii. International forestry collaboration in Sarawak. xiii. Formulation of new Forests Rules and revision of existing Forests Rules. xiv. e-Removal Pass System. xv. Enter into force - Revised RIL Guideline. xvi. Enter into force – New Rate for Fee and Royalty.



COMMUNICATION, EDUCATION AND
PUBLIC AWARENESS (TO
COMMUNICATE AND EDUCATE PUBLIC
OF FORESTRY ISSUES

***STRATEGIC THRUST
10:
COMMUNICATION,
EDUCATION AND
PUBLIC AWARENESS***

4 Achieved 

4 In Progress 

2 Not Started 

THRUST 10

COMMUNICATION, EDUCATION AND PUBLIC AWARENESS

	Achieved	In Progress	Not Started
Strategic Objective 1 (10 activities)	4	4	2

STRATEGIC THRUST 10: COMMUNICATION, EDUCATION AND PUBLIC AWARENESS


NO.	STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOME	2021		Status / Remarks
				Target	Mid-Year	
1	Strengthening Communication, Education and Public Awareness Programme.	Prepare and develop promotion/ awareness materials (video, leaflets, coffee table books, etc.) .	At least 3 promotional materials developed per year.	3	Achieved. 4	Bahan promosi sesi perkongsian ilmu "Update On Forest Operation", KIK JHS 2021, Bernama dan TVS.
		Publish articles/ video on forestry in printed & electronic media based on specific forest issue and activities.	At least 5 articles/ video published in electronic/ printed media per year.	5	Achieved. 6	Pelbagai siaran video promosi utk program Bernama, TVS, DBKU, Nyungkaka Penemu dan Kempen Penanaman 100 Juta Pokok.
		Address public grievance through digital technology eg. Talikhidmat, Peti cadangan, Website, Mobile App etc.	100% of grievances received and responded.	100%	Achieved. 100% (10 Aduan)	Aduan melalui Talikhidmat : Pembalakan Haram & Pencerobohan Kawasan - 4, Hidupan Liar - 0 & Lain-lain - 6
		Conduct forest management conference/workshop/seminar to share experience and best practices in managing forests in Sarawak.	At least 1 integrated latest research, technology information and provide recommendation best practices in forest management.	1	Achieved. 3	Dilaksanakan melalui Penganjuran Majlis Hari Integriti dan Pra Pelancaran OACP JHS, Nyungka ka Penemu dan Kempen Penanaman 100 juta pokok
		Strengthen Majlis Aspirasi Bersama Pengarah which include: i. FDS New Direction, Motivation & Integrity Talk.	At least 3 Majlis Aspirasi Bersama Pengarah conducted per year. • Relationship among forest officers enhanced; • Sharing latest information between HQ & RFO; and • Reduce administrative and other matters involving forest officers.	3	In-progress.	Majlis Aspirasi terpaksa ditunda akibat pelaksanaan PKP dan majlis ini telah dijadualkan semula utk dilaksanakan pada : Zon Selatan 9.11.2021, Zon Tengah 11.11.2021 dan Zon Utara pada 16.11.2021
		Develop and update Forest Education Toolkit (FET) through workshops with relevant stakeholders.	One comprehensive toolkit for forest education for schools & higher learning education developed within 5 years.	0	In-progress.	SFD had conducted internal workshop on 15 - 19 February 2021 to discuss on planning for development of capacity building and CEPA module for community, school and relevant agency. This workshop was conducted to produce draft of CEPA and capacity building module for SFD. Drafting of module is still in progress. SFD will prepare the framework of workshop with relevant stakeholders once the draft of module prepared. Comprehensive toolkit module will be completed on 2023.
		Train the Trainers (ToT) programmes (RFO, school teachers, NGOs).	At least two Train the Trainers (ToT) training conducted per year; Empowering public & encourage "sense of ownership" in forest management and conservation.	2	Not yet started.	
		Establish Junior Forest Ranger in schools, activities in schools, photography, etc. (Primary schools level).	At least 20 Junior Forest Ranger established in schools;	20	Not yet started.	Due to pandemic situation, Junior Forest Ranger will be suspended until permission obtained from Ministry of Education
		Conduct road shows on good forest management practices in Sarawak.	At least 4 roadshows conducted in conjunction with other events	4	In-progress. 2	Dilaksanakan melalui aktiviti pameran yang diadakan di Majlis Perasmian Kempen Penanaman 100 juta pokok dan Sambutan HHA Sarawak 2021 di DBKU
		Assist or initiate dialog/ discussion / consultation session with other government agency to create platform for conflict resolution with NGOs, other for stakeholders conducted by any Division in Forest Department Sarawak or Regional Forest Office (RFO) based on current issues such as blockade, constitution, land development etc.	At least 2 consultation with other stakeholders per year; • Reduce conflict and negative perceptions amongst NGOs/ international communities. • Improve perception among NGOs/international communities. • Perceptions and level of acceptance on forestry amongst public improved. • Perceptions and level of acceptance on forestry amongst public improved. • Reduce conflict amongst forest officers (internal) / public / stakeholders.	2	In-progress. 1	1 Kes blockade yang melibatkan pertikaian antara Syarikat Sentimewah Sdn Bhd dgn para penduduk di kawasan Long Belok, Long Bedian dan Long Sayan, Miri. Kes telah diselesaikan secara perundingan yang diadakan sebanyak 11 sesi bersama PHW Miri.


FDS SP 2021-2025 MIDYEAR 2021 SUMMARY


THRUST		STRATEGIC OBJECTIVES	ACTIVITIES	OUTCOMES				REMARKS
				TOTAL	ACHIEVED	IN-PROGRESS	NOT YET STARTED	
1	SUSTAINING FOREST RESOURCES	7	27	27	8	18	1	
2	FOREST LAW ENFORCEMENT	2	7	7	2	5	0	
3	FOREST REVENUE MANAGEMENT	2	4	4	2	2	0	
4	RESEARCH, DEVELOPMENT, INNOVATION & COMMERCIALISATION	4	22	22	4	14	4	
5	RESTORATION & INDUSTRIAL FOREST	3	31	34	11	21	2	
6	SOCIAL & URBAN FORESTRY	2	9	9	1	1	7	
7	LEVERAGING ON TECHNOLOGY FOR EFFECTIVE FOREST MANAGEMENT	2	8	10	3	7	0	
8	INTERNATIONAL AFFAIRS	3	8	8	7	0	1	
9	FINANCIAL & HUMAN RESOURCE	5	23	28	6	22	0	
10	COMMUNICATION, EDUCATION & PUBLIC AWARENESS	1	10	10	4	4	2	
TOTAL		31	149	159	48	94	17	

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