Project Results and Monitoring Pathway

Basic Information	Name of Project	Indian High Ra	High Range Mountain Landscape Project				
	Project Award ID	75746					
	Project Output ID	87493					
	maniand	2014-2022	22				
	Name of Programme Officer	Ms. Anusha Sh	nusha Sharma (anusha.sharma@undp.org)				
		State Governn	te Government of Kerala				
	Implementing	Ministry of En	vironment, Forests and Climate Change, GOI & State Governme	ent of Kerala			
	Total Budget (USD)	2018	2019	2020	2021	2022	
	62,75,000	########	\$ 4,71,964.44	\$ 6,43,866.92	\$ 18,59,980.50	\$ 2,95,330.15	

Integrated Results and Resources Framework	Project Linked to Strategic Plan Outcome		By 2022, environmental and natural resource management is strengthe	ned, and communities have increased access to clean energy and	are more resilient to climate change	and disaster risk:	
(IRRF)	Project Linked to Strategic Plan Output		Countries are able to reduce the likelihood of conflict, and lower the ris	k of natural disasters, including from climate change			
(Add rows subject to project duration)	SP Indicator Name and Number		Indicator 2.4.1.1 Country has gender-responsive measures in place for conservation, sustainable use, and equitable access to and benefit sharing of natural resources, biodiversity and				
	Linked SDG Target		15.4 to ensure the conservation of mountain ecosystems, including thei 15.5 to take urgent and significant action to reduce the degradation of r			<u> </u>	
			target 15.7 to take urgent action to end poaching and trafficking of prot	ected species of flora and fauna and address both demand and su	pply of illegal wildlife products;		
			target 15.c to enhance global support for efforts to combat poaching an	d trafficking of protected species, including by increasing the capa	acity of local communities to pursue s	ustainable liveliho	
	Unit of Measurement	Binary					
		Progress towards SP indicator Indicator 2.4.1.1					
	Targets - Overall for SP Indicator	Baseline (2017)	Milestone (2018)	Achievement: Mid Year (June)	Achievement: End Year (December)		
	Incl. Sub Components	4	5	5	5		
		Baseline (2018)	Milestone (2019)	Achievement: Mid Year (June)	Achievement: End Year (December)		
		5	6	6	6		
		Baseline (2019)	Milestone (2020)	Achievement: Mid Year (June)	Achievement: End Year (December)		
		6	7	7	7		
		Baseline (2020)	Target (2021)	Achievement: Mid Year (June)	Achievement: End Year (December)		
		7	7	7	7		
	Means of Verification, Data	Quarterly and ar	nual progress reports by UNDP, Government stakeholders' (including re	levant line departments and State Governments) annual reports,	and media coverage and records.		
Country Programme	Project Linked to CPD	CPD Outcome 3	By 2022, environmental and natural resource management is strengthe	ened, and communities have increased access to clean energy and	are more resilient to climate change	and disaster risks	
Results Framework	Outcome CPD Outcome Indicator	UNSDF Outcome	e 6.4 Terrestrial, coastal and marine areas protected, restored or manage	ed through integrated programmes for ecosystem resilience and c	ommunity based climate adaptation.		
(add rows subject to project duration)	CPD Outcome Indicator	Baseline: 19 lakh hectares	Target: 21 lakh hectares (2022)				

Project Linked to CPD output 3.2 Effective solutions developed at national and subnational levels for sustainable management of natural resources and ecosystems, ozone depleting substances, chemicals and wastes. Output CPD Indicator Indicator 3.2.1 Number of policies and programme promoting sustainable livelihoods and incorporating gender responsive strategies for natural resources and ecosystems management. Progress towards CPD Output 3.2 Indicator 3.2.1 CPD Indicator Baseline as End target as indicated in CPD (2022) Project Baseline (2017) Project Annual Target Achievement: Mid Achievement: End Year indicated in (2018) Year 3.2.1 4 7 4 5 5

Docusigned by: Anuslia Sharma 971D4B7E92D3489... Team Leader a.i.

				Baseline (2018)	Annual Target (2019)	Achievement: Mid Year	Achievement: End Year
				5	6	6	
				Baseline (2019)	Annual Target (2020)	Achievement: Mid Year	Achievement: End Year
				6	6	6	
				Baseline (2020)	Annual Target (2021)	Achievement: Mid Year	Achievement: End Year
				7	6	6	6
				Baseline (2021)	Annual Target (2022)	Achievement: Mid Year	Achievement: End Year
				6	7	7	7
	Frequency of Data	quarterly					
	Collection Means of	Quartarly and a	anual program reports by UNDP. Government stakeholders' (including re	levant line departments and State Governments) annual reports, and media	coverage and records		
				revant line departments and state dovernments, annual reports, and media	coverage and records.		
	Other Projects Contril CPD output	buting to the	Secure Himalaya and SNRM				
Results Path Progress tov	wards the project outputs	and activities					
Project Annual Outputs (From AWP)	Activiti	es	Progress: QTR 3	Progress: QTR 4			
r Output (from prodoc)							
1 Annual Output Outcome 1:	1.1 Capacities of Local	Self	1.1.1 Workshops/meetings and consultations/discussions with relevant stakeholders on project related	1.1.1 Workshops/meetings and consultations/discussions with relevant stakeholders on			
1 Annual Output Outcome 1: Strengthened capacities for community based sustainable	1.1 Capacities of Local Governments and con		activities -	project related activities -			
1 Annual Output Outcome 1: Strengthened capacities for community based sustainable use and management of natural resources	e Governments and con	nmunity	1.1.1 Workshops/meetings and consultations/discussions with relevant stakeholders on project related activities - (Government officials, Panchayat functionaries, elected representatives and community members) Sooid-Conomic Assessment	project related activities – (Government officials, Panchayat functionaries, elected representatives and community			
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		Annual Report for the project prepared for circulation at the National Level.
	Chilla Market automation Consultative meetings at were held with forest department officials and Kerala Startup Mission team	
	during the month of August for the project implementation	1.1.3 Training relevant stakeholders for mainstreaming BD considerations – (for
		Government officials, Panchayat functionaries elected representatives and community members)
	State Level Meetings Review meeting held by Chief Secretary on project activities and Annual Work Plan for 2020-22.	Detailed project proposal for State Biodiversity Strategies and Action Plan along with
	neres meeting new of ener sed carry on project activities and similar work marrier 2020 22.	
	Review meeting held by Chief Minister on project activities and Annual Work Plan for 2020-22.	resource mobilisation strategy developed Capacity Need Assessment using UNDP Capacity Building Scorecard
	1.1.2 Develop IEC products on project related activities	Preliminary stakeholder mapping has been completed.
		Incorporated 4 new sub- indicators for Capacity Building Score card for Capacity Need Assessment on 5-year plan development, annual plan development, Local Action plan for
	Developed an Activity Report for the project for circulation at the State Level.	Climate Change and requirement for Capacity Building
	Developed a draft Communications Plan for the project.	Based on the Capacity Building score card and new sub indicators a baseline assessment
	Video Documentation-Munnar GP - Three video documentaries were prepared for analyzing the existing	
	water pollution, solid and comprehensive waste management issues in Munnar	will be carried out in Q3. Capacity Needs Assessment report submitted on 8th September 2020. Baselines derived from the report are as follows; Capacities for engagement is 40%;
	1.1.3 Training relevant stakeholders for mainstreaming BD considerations – (for Government officials,	Capacities to Generate, Access and Use Information and Knowledge is 21%; Capacities for
	Panchayat functionaries elected representatives and community members)	Strategy, Policy and Legislation development is 7%; Capacities for Management and
	Green Appraisal Tool	Implementation is 7%; Capacities to monitor and evaluate is 18%; Capacity development
	Green Appraisal Tool along with guidelines were developed to evaluate impact of panchayath plan/ project on Biodiversity conservation, sustainable livelihoods and disaster management.	and training is 32%
	Field level consultations and online consultations were held with Panchayath representatives and other	There are 18 Local Self Government Institutions including 11 annual plans of the GPs are
	govt. department officials.	expected to incorporate biodiversity Grama Panchavaths in the landscape. The 2021-22
	Prepared Terms of Reference for State Biodiversity Strategies and Action Plan.	friendly practices through trainings, workshops and participatory sessions proposed to be
	Capacity Need Assessment using UNDP Capacity Building Scorecard Preliminary stakeholder mapping has been completed.	conducted using the envisaged Capacity Development (CD) modules developed by KILA.
	Preliminary stakenolider mapping has been completed. Incorporated 4 new sub- indicators for Capacity Building Score card for Capacity Need Assessment on 5-	Workshops for Plans incorporating multi-use management concepts for 2021-2022 will be
	year plan development, annual plan development, Local Action plan for Climate Change and requirement	completed by Q4*.
	for Capacity Building	KILA submitted the revised work plan in the prevailing COVID-19 situation with virtual
	Based on the Capacity Building score card and new sub indicators a baseline assessment will be carried out	platforms as means for trainings and workshops. The same has been approved. Measures
	in Q3. Capacity Needs Assessment report submitted on 8th September 2020. Baselines derived from the report are as follows; Capacities for engagement is 40%; Capacities to Generate, Access and Use	and check-list developed for effective virtual consultations, trainings and workshop
	Information and Knowledge is 21%; Capacities for Strategy, Policy and Legislation development is 7%;	sessions adaptive to the prevailing COVID-19. The baseline assessment with green plans
	Capacities for Management and Implementation is 7%; Capacities to monitor and evaluate is 18%;	appraisal and stakeholder engagement submitted on 8th September 2020. A total of 122
	Capacity development and training is 32%	stakeholders are identified under three categories (62 key stakeholders 29 primary
	There are 18 Local Self Government Institutions including 11 annual plans of the GPs are expected to incorporate biodiversity Grama Panchayaths in the landscape. The 2021-22 friendly practices through	stakeholders and 31 secondary stakeholders). A stakeholder engagement plan developed
	trainings, workshops and participatory sessions proposed to be conducted using the envisaged Capacity	for 11 GPs for conducting next phase of training.
	Development (CD) modules developed by KILA. Workshops for Plans incorporating multi-use management	*(Quarters according to calendar year)
	concepts for 2021-2022 will be completed by Q4*.	7 meetings (Online & Face to Face) for Workshop on green plans 2021-22 conducted.
	KILA submitted the revised work plan in the prevailing COVID-19 situation with virtual platforms as means	Methodology for green plans developed. Handbook on green plan methodology
	for trainings and workshops. The same has been approved. Measures and check-list developed for effective virtual consultations, trainings and workshop sessions adaptive to the prevailing COVID-19. The	developed. (Due to model code of conduct meetings and trainings were limited)
	baseline assessment with green plans appraisal and stakeholder engagement submitted on 8th September	developed. (Due to moder code of conduct meetings and trainings were innited)
	2020. A total of 122 stakeholders are identified under three categories (62 key stakeholders 29 primary	1.1.5 Technical studies to establish baseline, assess impacts of current resource use
	stakeholders and 31 secondary stakeholders). A stakeholder engagement plan developed for 11 GPs for	practices in the landscape
	conducting next phase of training. *(Quarters according to calendar year)	KILA
	(quarters according to calendar year)	Draft report on the Creation of Socio-Economic Data Base for Concurrent Evaluation for
	1.1.5 Technical studies to establish baseline, assess impacts of current resource use practices in the	the project landscape was submitted during this quarter and same was circulated among
	landscape	the stakeholders
	KILA Draft report on the Creation of Socio-Economic Data Base for Concurrent Evaluation for the project	
	landscape was submitted during this quarter and same was circulated among the stakeholders	Draft report on Consultative workshop on Social Changes Among Tribes - Trajectory of
		Development - Focus on Edamalakkudy was submitted during this quarter and same was
	Draft report on Consultative workshop on Social Changes Among Tribes - Trajectory of Development -	circulated among the stakeholders
	Focus on Edamalakkudy was submitted during this quarter and same was circulated among the	
	stakeholders	
		CWRDM
	CWRDM	CWRDM CWRDM submitted draft final report on 'Hydrological investigations in HRMI' to LINDP CO
	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO
	CVRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface water, ground water, water	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface
	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface water, ground water, water demand, water balance and water quality analysis, review of state and national level water policies along	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface water, ground water, water demand, water balance and water quality analysis, review of the state of the state of
1.2 Sustainable resource use practices	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface water, ground water, water demand, water balance and water quality analysis, review of state and national level water policies along Waste Management outside forest areas	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with xientific modeling of available surface water, ground water, water demand, water balance and water quality analysis, review of Waste Management outside forest areas
1.2 Sustainable resource use practices demonstrated for improved quality of life	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface water, ground water, water demand, water balance and water quality analysis, review of state and national level water policies along	CWRDM submitted draft final report on 'Hydrological investigations in HRML' to UNDP CO highlighting detailed water balance study with scientific modelling of available surface water, ground water, water demand, water balance and water quality analysis, review of the state of the state of
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	CNMON watering data from report on "typological investigations in MIAU" to UNDP CO lipitighting estimated water bialance study with scientific consoling of available active awater, awater demand, water bialance and water quality analysis, review of state and rational level water policies along Waster Management outside for cores areas: 1.2.1 Implementation of "Green Munnar" Project for (Dumpsite clearance, treatment of bio & anonio waste, campaigns for waste reduction, Septage treatment and Nailathann in iterre rejuvenation) Munnar Consultation meeting chaired by Dr. TN Seema was held on 23rd September 2020 to discuss the problems related to Waste Management in Munnar. The following activities have been decided to be carried out: -Legacy waste clearance has been initiated with co-finance from Munnar Panchayath using biomining process -UNDP will assist in technical monitoring through the formation of a local level monitoring committee and a state level monitoring committee -UNDP will assist in technical monitoring frampath and the Devikulam Block Panchayath in establishing a Material Recovery Facility for non-bio waste generated in the region -UNDP will subsit the Panchayath in waste reduction, segregation, and	CWRDM submitted draft final report on 'hydrological investigation' in HRML to UMPC 02 hiphiliphiliphiliphic draft water balance study with scientific modelling of available surface water, ground water, water demand, water balance and water quality analysis, review of Waste Management outside forest areas 1.2.1 Implementation of "Green Munna" Project for (Dumpsite Clearance, treatment of bio & non-bio waste, campaigns for waste reduction, Septage treatment and Nalathanni river rejuvenation) Munnar Action based research study on processing of bio waste was initiated by IRTC (technical agency) by setting up an experimental facility in Kallar, Munnar near the dump site. Technology used was WINBC Compositing. This experimentation was necessitated to check composting at low temperature regions. 1.2.2 Waste Management interventions in Athirapilly and other GPs in the landscape Athirappilly Material Collection Facility for non-bio waste was constructed by the Panchayth with technical assistance from the UNDP HRML project. The MCF construction can be considered as a co-financing component by the Gram Panchayth

Ahrirappilly -UNDP assisted the panchayath in creating a waste management system in the panchayath which includes a door to door collection system through the formation of Haritha Karma Sena or Green Technicians, creation of storage & segregation points for non-bio waste and establishing a forward linkage for segregated non-bio waste -Door to door campaign has also been started for source level segregation of bio-waste and waste reduction 7 nodes have been identified in Athirappilly Panchayath where interaction of toursate and waste reduction 7 nodes have been identified in Athirappilly Panchayath where interaction of tourists and the landscape is high. These seven nodes are being developed a points where tourists and local communities will be educated about the value of 3 R principles of Reduce. Reuse. Recycle. These 7 nodes will lead to the formation of an eco-corridor in Athirappilly -Detailed estimate has been developed for 1 node in the Panchayath. This node is being planned as a green literacy center which will capture the themes of Reduce-Reuse-Recycle michigh for solid waste; Rutamgunha -UNDP has assisted the panchayath in creating a waste management system in the panchayath which includes a door to door collection of storage & segregation points for non-bio waste and for segregation points for non-bio waste and establishing a forward linkage for segregated no-bio waste As part of the efforts the Panchayath has got a recognition from state govt – that of Suchitwa Padhavi or Clean Status Adimali -UNDP has assisted in the Panchayath has got a recognition from state govt – that of Suchitwa Padhavi or Clean Status Adimali -UNDP has assisted in the Panchayath has got a recognition from state govt – that of Suchitwa Padhavi or Clean Status Adimali -UNDP has assisted in the Panchayath has got a recognition from state govt – that of Suchitwa Padhavi or Clean Status -An Al powered high resolution digital camera with night vision has been instaled near a waste dumingin point in	planned as a green literacy center which will capture the themes of Reduce- Reuse-Recycle principle for solid waste DPR for solid waste management for the Panchayath has been finalized and submitted Kutampuzha Activities for strengthening the waste management system initiated under th project progressing - Der for solid waste management for the Panchayath has been finalized and submitted Mankulam - Activities for strengthening the waste management system initiated under th project progressing - Dump yard for solid waste closed in Mankulam Town - DPR for solid waste management for the Panchayath has been finalized and submitted Marayoor - Activities for strengthening the waste management system initiated under th project progressing - DPR for solid waste management for the Panchayath has been finalized and submitted Marayoor - Activities for strengthening the waste management system initiated under th project progressing - Dump yard for solid waste closed - DPR for solid waste closed - DPR for solid waste closed - DPR for solid waste management for the Panchayath has been finalized and submitted Kathhalioor - Activities for strengthening the waste management system initiated under th project progressing - Dump yard for solid waste closed - DPR for solid waste closed - DPR for solid waste management for the Panchayath has been finalized and submitted Kathhalioor - Activities for strengthening the waste management system initiated under th project progressing - Dump yard for solid waste closed - DPR for solid waste management for the Panchayath has been finalized and submitted Water Resource Management 1.3.3 Demonstration of measures for better water harvesting in the landscap based on the Integrated Watershed Management Plans prepared for 11 Grap Panchayats in consultation with all relevant stakeholders CWRDM refunded the unspent budget to UNDP C due to limitations in field wis
Chinnakanal -UNDP has assisted the panchayath in creating a waste management system in the panchayath which includes a door to door collection system through the formation of Haritha Karma Sean o Green Technicians, creation of storage & segregated non-bio waste and establishing a forward linkage for segregated non-bio waste -Door to door campaign has also been started for source level segregation of bio-waste and waste reduction Marayoor -UNDP has assisted the panchayath in creating a waste management system in the panchayath which includes a door to door collection system through the formation of Haritha Karma Sean o Green Technicians, creation of storage & segregation points for non-bio waste and establishing a forward linkage for segregated non-bio waste closing of waste dump yards done in the panchayath -As part of the efforts the Panchayath has got a recognition from state govt – that of Suchive Adhavior (Clean Status	

1.3 Enhanced products/services value	1.3.1 Sustainable livelihood practices for Tribal communities	1.3.1 Sustainable livelihood practices for Tribal communities
chains developed for providing	NTFP (including branding & marketing of Vamasree shops & products),	NTFP (including branding & marketing of Vamasree shops & products), Bamboo
ecologically sustainable livelihoods	Bamboo & Reed	& Reed
options	Agri and allied sectors	Agri and allied sectors
options	 Enhancement of reservoir fish production and creation of livelihood 	 Enhancement of reservoir fish production and creation of livelihood
	opportunities for the tribal community in Munnar Landscape through	opportunities for the tribal community in Munnar Landscape through
	development of aquaculture practices of native species,	development of aquaculture practices of native species,
	 Lemongrass value chain intervention, 	 Lemongrass value chain intervention,
	 Sustainable Farming, Value addition and Market linkage of Tribal 	 Sustainable Farming, Value addition and Market linkage of Tribal
	community at Athirappilly	community at Athirappilly
	 Medicinal plant-based value chain approach 	 Medicinal plant-based value chain approach
	Following studies are in progress:	Following studies are in progress:
	 Building roadmap and assessment of bamboo/ reed in Project landscape 	 Building roadmap and assessment of bamboo/ reed in Project landscape
	A concept note on "A Build Back Better with bamboo"	
	Utilizing the Potential in Bamboo for Landslide Mitigation in Idukki district wa	
	prepared and discussion regarding the same was carried out during the last	level workshop is planned in first week of Jan 2021 after the discussion with
	quarter. In month of September, a virtual meeting was held with Haritha	stakeholders.
	Kerala Mission team regarding the same	
	First progress report for the Project for baseline data generation and	Utilizing the Potential in Bamboo for Landslide Mitigation in Idukki district was
	developing suitable strategies and action plan for the overall development of	prepared and discussion regarding the same was carried out with Kerala Forest
	the bamboo sector in the landscape was shared. Following were the	Research Institute and a detailed proposal on Demonstration model for utilizing
	actionable	the Potential of Bamboo and other bio engineering measures for Landslide Risk
		Reduction and Mitigation and Riverbank stabilization was submitted.
	-Initiating an immediate but integrated pilot programme for bamboo-based	 Study on Market Mapping & Value Chain analysis of Vegetables
	land restoration and climate change mitigation in select landslide-affected	
	areas and identified landslide-prone areas in Idukki district.	Major intervention strategies are end-to-end intervention in the entire value
	-Integrating bamboo components in agroforestry schemes and kick-starting	chain of horticultural production, blend of modern and traditional systems of
	different pilot models in home-gardens in 3 agroclimatic zones in HRML	production, thrust on Good Agricultural Practice and Safe to Eat production,
	project area.	branding and private-public partnership in marketing, rationalisation of crops
	-Implementing a participatory assessment and mapping of Ecosystem	and subsidies, tight monitoring and control systems to maximise the impact of intervention etc
	Services in community forest rights (CFR) lands in the project area.	
	-Organizing an international webinar to discuss best practices in the bamboo sector in land restoration and climate change mitigation.	Discussion with Kerala Agricultural University initiated on addressing the issue or lack of quality seed materials for Potato, Carrot, Cabbage and Cauliflower
	 Study on Market Mapping & Value Chain analysis of Vegetables 	Building strategy and roadmap for NTFP Value addition
	Major findings include water availability and Grandis cultivation, area under	
	grandis exceeds that under agriculture in both Kanthalloor and Vattavada,	Initiated the process for the design of Ecoshop under Malayattoor FDA.
	there exists considerable room for improvement in all areas of production	
	including soil health, seed quality, technical knowledge of farmers, quality of	
	inputs, post-harvest handling and storage, extension activities are inadequate	Medicinal Plants for livelihood generation
	and there exists considerable room for improvement and scope for better	Medicinal plants project support to farmers in Marayoor and Kanthaloor,
	coordination between Govt agencies. Based on the gaps identified, eleven	Planting material distributed total of 40 farmers for cultivation model. Planning
	intervention strategies have been suggested. Major intervention strategies	to supply dashapushpangal & selected tree species of medicinal plants to 23
	are end-to-end intervention in the entire value chain of horticultural	selected beneficiaries at Adimaly Grama panchayath for setting up of home
	production, blend of modern and traditional systems of production, thrust on	stead garden.
	Good Agricultural Practice and Safe to Eat production, branding and private-	The training programme on preparation of home remedies was successfully
	public partnership in marketing, rationalisation of crops and subsidies, tight	conducted at Machiplavu, Adimaly in collaboration with Adimaly Grama
	monitoring and control systems to maximise the impact of intervention etc	Panchayath.
	Preliminary consultations were carried out with agricultural department for	
	exploring the possibilities	
	 Building strategy and roadmap for NTFP Value addition 	Lemongrass value chain
	Sanan 5 State 57 and Ioadinap for 14111 Value addition	After the Consultative meetings were held with tribal community members and
	Study suggests that NTFP sector in the region has tremendous potential both	forest dept officials during the last quarter, tribal settlements where
		interventions are planned were identified and based on assessment of current
	forest dependent communities. However, there is much scope for being better organized in terms of collection, trading, setting market price and	cultivation practices, improved variety of lemon grass provided to over 220 trib farmers.

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			where the various VSS groups and the corresponding Vanasree units are	Revival, Conservation and propagation plan for traditional practices and
			active. Much of the "primary activities", an essential component of the "value	
			chain framework", are also visible in these areas, however, requires more streamlining and clarity. Under the circumstances there is much scope for	 Preparation of spatial crop plan based on the assessments of anomalous cropping practices, recommendations for sustainable cropping patterns and its
			strengthening the marketing channels through Vanasree.	pilot implementation
			strengthening the marketing channels through vanasree.	
			Discussion on strengthening community organization - Vana Samrakshana	Access and Benefit Sharing - Documentation and developing models Promotion of organic/ safe to eat agriculture practices
			Samithies (VSS) under Malayattoor forest division was carried out with forest	
			department officials. Following areas are planned	Propagation of traditional agriculture practices and seed conservation activities
			Financial management: Basic bookkeeping, financial analysis	Based on the propagation plan, propagation of traditional agriculture practices
			Operations: operational excellence	and seed conservation activities were continued in six Grama Panchayats
			Business development: Business management	reaching out to 1160 community members covering 345 acres of cultivation.
			HR: Communications and leadership development	reaching out to 1100 community members covering 545 acres of cultivation.
			Micro plans: Developing micro plans at grassroot level	Support in terms of access to traditional rice and finger millet (ragi) seeds and
			Medicinal Plants for livelihood generation	technical assistance were provided to forest dependent and small & marginal
			Under the project for developing medicinal plants for livelihood generation &	
			biodiversity conservation among women self -help groups and marginal	stakeholders - Agriculture Department, Excise Department, Grama Panchavat,
			farmers, the commercial cultivation of selected medicinal plants which has	Irrigation Department, MGNREGS (Mahatma Gandhi National Rural employment
			demand in Ayurveda started at Marayoor and Kanthalloor Grama panchayat	Scheme) etc.
			covering 40 farmers during this quarter.	Scheney etc.
			Lemongrass value chain	Capacity building trainings were carried out to farmers in good agricultural
			Consultative meetings were held with tribal community members and forest	practices.
			dent officials during the month of September. Tribal settlements where	
				Anamudi FDA has identified and collected traditional seed varieties such as finger
			community members were carried out in this quarter	millet (30), kodo millets (2), little millet (2), fox tail millet (2) maze (2), rice (13),
				beans (19), spinach (5) and one variety of mustard. Propagation of these
			1.3.2 Sustainable livelihood practices around biodiversity	varieties were made by planting the saplings. An EDC has been formed for
			 Revival, Conservation and propagation plan for traditional practices and 	
		1.4 Community has a day of the		
		1.4 Community-based models	1.4.1 Developing a comprehensive strategy based on evaluation of socio- economic study of Edamalakudy	1.4.1 Developing a comprehensive strategy based on evaluation of socio- economic study of Edamalakudy
		developed for sustainable access and		
		use of forest resources by local	Draft report on the Social Changes Among Tribes - Trajectory of Development	Report on the Social Changes Among Tribes - Trajectory of Development - Focus
		communities	 Focus on Edamalakkudy was submitted and shared with stakeholders. 	on Edamalakkudy was submitted and shared with stakeholders.
			- FOCUS ON EQUINAIARROUY WAS SUDMILLED AND SHAFED WITH STAREHOLDERS.	on Edanialakkuuy was subinitted and shared with stakeholders.
		1.5 Policies framework reviewed and		
		1.5 Policies framework reviewed and harmonised for ensuring sustainable		
		harmonised for ensuring sustainable resource		
	Burleat	harmonised for ensuring sustainable		
	Budget	harmonised for ensuring sustainable resource		
	Expenditure	harmonised for ensuring sustainable resource use and management at the landscape		
2	Expenditure Annual Output 2 Multiple use landscape management is	harmonised for ensuring sustainable resource use and management at the landscape 2.1 Capacities of conservation and	2.1.1 Geospatial mapping of the landscape using high resolution satellite	2.1.1 Geospatial mapping of the landscape using high resolution satellite imagery
2	Expenditure Annual Output 2 Multiple use landscape management is applied to secure the ecological	harmonised for ensuring sustainable resource use and management at the landscape 2.1 Capacities of conservation and production sector personnel	imagery and ground information (different sector &ecological attributes)	and ground information (different sector &ecological attributes)
2	Expenditure Annual Output 2 Multiple use landscape management is	harmonised for ensuring sustainable resource use and management at the landscape 2.1 Capacities of conservation and	imagery and ground information (different sector & ecological attributes) Inventorizing high value biodiversity areas & assessment of flora and fauna of	and ground information (different sector &ecological attributes) Inventorizing high value biodiversity areas & assessment of flora and fauna of
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Mr. Antomy John, MLA, Kothamangalam Assembly Constituency inaugural participants		Community Tourism & Services, on 12 th September 2020	
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	1	potential of the area.	kuttampuzha and Mankulam; Scope of Salim Ali's Old House building into a

	2.3 Best practices documented and disseminated for improving decision making on sustainable resource management and use 2.4 Replication strategies developed for use and management of mountain	community participation for biodiversity conservation. It is done in convergence with the MGNREGS workforce and the works are initiated in Marayoor, Athirappiliy and Kutampuzha Grama Panchayats. The planting is not undertaken as a one-time activity. Three years of maintenance and follow up tasks will be undertaken through MGNREGS (Mahatma Gandhi National Rural Employment Scheme), which can ensure in assigning more result- oriented conservation activities at the local level on a continuous basis. Technical assistance in the selection of plants and locations, setting the land <i>cr. is scandida</i> . Solunder acencursed from Cantra Nursen be Ensured. 2.3.1 Updation of State biodiversity strategies and action plan Terms of Reference prepared for approval and preliminary consultations held for developing a participatory approach for demonstrating financial solutions	details of farmers. There are three-four major paddy fields in locations such as Mamalakandam, Vadattuppara, Kuttiyanchal etc. which can be included in the Wilage walk package BConsultation meetings done with Kudumbashree/Haritha Karma Sena / Farm tourism providers' the Forest Department-Mankulam DF0 & Range Officer / GP secretary-Kuttampuzha and Mankualm and other relevant stakeholders in 2 panchayaths to discuss on the sustainability by plan and progress of the project BModule developed for Capacity building programmes for service providers Responsible Protocol Development and Demonstration Preparation of responsible tourism protocol for mountain landscape ongoing 2.3.1 Updation of State biodiversity strategies and action plan Detailed proposal submitted along with detailed strategy for resource
	landscape resources		
Budget			
Expenditure			
3 Annual Output 3 Appropriate and effective governan framework for multiple use high range		Improved Protected Area Management 3.1.1 Measures to mitigate threats such as forest fire, road kills etc in	Improved Protected Area Management 3.1.1 Measures to mitigate threats such as forest fire, road kills etc in biodiversity
landscape evolved	systems in place	biodiversity conservation Technologies for monitoring wildlife movement - installation of thermal sensor at Malayattoor & Chalakkudy as part of reducing human wildlife conflict SACON has started mapping of extent of original grassland in the project landscape based on time-series Distribution of exotic tree species inside Marayoor Sandalwood reserve has been mapped. Shola accosystems outside the PAs and inside the tea estate (Munnar Forest Range) has been mapped using precision GPS. The taxonomic inventory of shola species is in progress. The local movement paths/ elephant corridor and elephant crossing areas across the National Highway has been mapped for developing the conservation strategy. Kerala Foresta on Wildlife Department is in the process of developing proposal for submitting the same to National Highway Authority for developing alternatives like constructions of ramps/Joppy structures. Assessment of the intensity of human wildlife conflict is an ongoing activity. The sites for establishing sensor for alerting elephant entry into settlement area has been identified. Consultations were made with few agencies to demonstrate the sensor techniques. Jaugning of the Human wildlife interface areas using GPS in Marayoor and Munnar Forest Divisions has been initiated. 3.1.3. Protection of sandal wood forests through improved technologies (establishing digital fences in selected priority areas)	conservation Technologies for monitoring wildlife movement - installation of thermal sensor a Malayattoor & Chalakkudy as part of reducing human wildlife conflict SACON has started mapping of extent of original grassland in the project landscape based on time-series Distribution of oxotic tree species inside Marayoor Sandalwood reserve has been mapped. Shola ecosystems outside the PAs and inside the tae estate (Munnar Forest Range) has been mapped using precision GPS. The total extent of shola patches mapped is 5600 ha with nearly 331 patches. The taxonomic inventory of shola species is in progress. The local movement paths/ elephant corridor and elephant crossing areas across the National Highway has been mapped for developing the conservation strategy. Kerala Forests and Wildlife Department is in the process of developing proposal for submitting the same to National Highway Authority for developing alternatives like constructions of ramps/sloppy structures. 3.13. Protection of sandal wood forests through improved technologies (establishing digital fences in selected priority areas) Initiated discussion with few agencies like IWST (ICRE) and their technologies
	3.2 Institutional platforms of multiple	Initiated discussion with few agencies like IWST (ICFRE) and their technologies Local Action Plan for Climate Change in 8 FDAs (106 VSS & EDCs	3.2.2 Community based bird conservation at Thattekad and adjoining areas
	stakeholders evolved and	Plan for conducting consultation meetings with VSS and EDCs prepared.	Conducting certified course on ornithology and birding for tribal youthPublishing

		appropriate levels for planning and reviewing sustainable resource use (sectoral integration)	is herizage building Basic equipment for birding course purchased Course material reviewed by experts, suggestions incorporated, and revised material prepared. Translation to local language ongoing 2.3.2 Strengthening of Chill amArket through automation of existing market system-Establishing goods transportation facilities for tribal NTFPs and Agriculture produces from tribal settlements Agreement with Kerala Start up Mission made. Potential technical agencies for automation of Chilla Market shortlisted. Selection to be done	book on bird in local language Developing Salim Ali sathram as heritage building Basic equipment for birding course purchased Course material prepared. Translation to local language ongoing. Procedures were initiated for the feasibility of getting recognition of the training courses with institution (university. 3.2.3 Strengthening of Chilla market through automation of existing market system-Estabilising goods transportation facilities for tribal NTFPs and Agriculture produces from tribal settlements Online meeting with startups conducted. Final shortlisting of startups for automation of Chilla Market done.
		services	3.1.2. Review of Management Plan guidelines: Review of State Forest Policy Review and validation of METT and MEE scores of PAs within the project landscape to identify gaps The management Plans of two Protected Areas and Working Plan of One Territorial Forest Division has been completed and driftent the new Management Plan and Working Plan (table) Management Plan Code) in a landscape approach. The review and drifting of Management Plan Code) in a landscape approach. The review and drifting of Management Plan Code) in a landscape approach. The review and drifting of Management Plan Code) in a landscape approach. The review and drifting of the species specific plan for managing the exotic invasive species in the landscape is prepared and has been incorporated in the Management and Working Plans of the respective Plant Working Plan Code) in Son PA 61 (Ensivita) Mitching Plans, and the respective Plant Management Planc Chrinar Wildlife Schruchary, Kurrigimab Sanctuary and Management Planc Chrinaria Wildlife Schruchary, Kurrigimab Sanctuary and Management Effectiveness Tacking Tool (MEET) scores in all PAs in the project landscape and derinfiel dre page. Metrify the schruber Schruber Schrubers and Variang Plans (BartSN), PlantButtomess Tacking Tool (MEET) scores for 6 PAs has been generated and baseline established as below (Parphadumiob) National Park - 81 Chrinar Wildlife Sanctuary - 81 Pampadumiob) National Park - 81 Anamud Shola National Park - 81 Anamud Shola National Park - 81 Anamud Shola National Park - 82 Chrinar Wildlife Sanctuary - 73 Re-established baseline - 484 out of 594 3.3.3 Developing eco-compathe habitat monitoring cell inside Erwiskum National Park Establishing Archibatita and Wildlife Wardow on the site selected for establishing eco- compatible habitat monoting cell at Mattekkad Initial consultation dore with Chef Wildlife Wardow on the site selected for establishing eco- compatible habitat monoting cell at Mattekkad Initial consultation dore with Chef Wildlife Wardow on the site selected for	 3.2. Review of Management Plan guidelines; Review of State Forest Policy Review and validation of METT and MEE scores of PAs within the project landscape to identify gaps A core team has been formed for facilitating the review of Kerala State Forest Policy. The gaps in the existing State Forest Policy has been identified and based on that a draft workplan has been prepared. The same has been presented before the CCF council by the State Nodal Officer. 3.3.3 Developing eco-compatible habitat monitoring cell inside Fravikulam National Park Establishment of habitat and wildlife health monitoring cell at Thattekkad Revamping of existing facilities at Eravikulam National Park for establishing habitat monitoring cell is in progress. Habitat Improvement – Strategies and Implementation to address the read kills and giving awareness to the public 14 signages were installed along the State Highway at Chinnar Wildlife Sanctuary. At 8 locations canopy bridges were constructed and maintained. AGIS cell for Improving the forest management is established at Vazhachal Forest Division. 3.3.5 Removal of plantations (Wattle and Eucalyptus), Eradication of alien weeds, from PAs and outside PAS, Removal of alien species from the high altitude montane grassiand (inside and outside the PAS), Restoration of identified vulnerable and degraded forest areas including morvement in Viligir Tahr habitat in Meesappulimaia (Removal of exotics and restoration of grasslands segments within PAS and outside anal (Inside Thore Sinchigh Tahr habitat in Meesappulimaia (Removal of exotics and restoration of grasslands) & designing a long term sustainability plan for Nilgiri Tahr
		(RET) ecosystems and endemic species	3.4.1 Establishment of nurseries with micro- propagation facility for RET species at Devikulam Few shola species were identified, and seeds were collected and kept inside	3.4.1 Establishment of nurseries with micro- propagation facility for RET species at Devikulam Few shola species were identified, and seeds were collected and kept inside
	Budget	are	rew shold species were identified, and seeds were conected and kept inside	rew shold species were toernned, and seeds were conected and kept inside
E	ixpenditure			
	Project Management Cost			
	Budget	I	XXXX	XXXX

Cumulative Project Delivery Status	Q3	Q4
Grand total budget	774790	525710
Delivery	74971.67	\$ 2,26,028.51
Shortfall in delivery	699818.33	\$ 2,99,681.49
Exp % against Budgets	9.68	\$ 42.99

Risk Log and Management (Quarterly Input)						
Risk Type**	Risk Description	Risk Assessment	Risk Mitigation strategy	Current Status	Escalation Required	
Climate Change and Disaster	treme rise in cases of COVID-19 in the project state and landsc	moderate	By taking necessary precautions as per the guidelines, the project will continue to	completed	no	
			implement activities as per the agreed workplan			
Change of Gov	A new panchayat has recently been elected and the state elec	tmoderate	The state team will brief the members about the project and the activities at the	completed	no	
			earliest possible time			

Capacities of the parties	f the local self-government to effectively function as agents of I	moderate	Capacity building of government officials through trainings and capacity building	completed	no
			workshops is being conducted on regular basis by Kerala Institute of Local		
			Administration under the project		
Transition and Exit Strategy	the sustainability of the project activities and further institution	moderate	1. Project extension to be reviewed by BRH in February 2022. 2.	completed	no
			Working Committee has been set up under the project to oversee the		
			institutional mechanism to be established for ensuring sustainability of activities		
			under the project.		

**Risk Categories: Environmental, Financial, Operational, Organizational, Political, Regulatory, Strategic, Other

Lessons Learnt/ Reccomendations (Quarterly Input)
1. Sustainable Sugarcane initiative – SSI focus on improvement of value chain of Sugarcane with focus on production side intervention for small and marginal farmers in Marayoor and Kanthalloor Panchayaths
2. Green Innovation Fund - Green Innovation fund has been launched for social enterprises to address biodiversity conservation challenges in the landscape.
3. Carbon Neutral Mankulam - Through the project, a unique attempt is being made to develop Mankulam Grama Panchayath as a Carbon neutral panchayath. Mankulam Panchayath has over 1000 farmers practicing organic agriculture and is very rich in forest
4. GIS Cell - GIS center, established by the Vazhachal Forest Development Agency, has started functioning. Various spatial information has been collated so far and a geo database has been developed for planning. Forest fire management and mitigation plan was
5. Biodiversity Parks - Green islands/ Biodiversity parks aim at developing biodiversity demonstration plots and ensure community participation for biodiversity conservation. It is done in convergence with the MGNREGS workforce. Maintenance is ongoing in 12
6. Sustainable Tourism initiatives - High value low impact tourism models at Kuttampuzha (Ernakulam District) and Mankulam Panchayath (Idukki District). A community centered sustainable tourism model is being developed for the two panchayaths. The
7. Visual Media course - One of the videos taken as part of Covid awareness, features a tribal community member – Laya. Laya is the coordinator of a partner agency working on waste management as part of the project. The video was produced by Arjun Murali,
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