



Ecosystem Conservation and Management (P156021)

SOUTH ASIA | Sri Lanka | Environment, Natural Resources & the Blue Economy Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 13 | ARCHIVED on 17-Jun-2022 | ISR51259 |

Implementing Agencies: Democratic Socialist Republic of Sri Lanka, Department of Wildlife Conservation, Forest Department, Ministry of Wildlife and Forest Conservation

Key Dates**Key Project Dates**

Bank Approval Date: 25-Apr-2016

Effectiveness Date: 01-Dec-2016

Planned Mid Term Review Date: 07-Oct-2019

Actual Mid-Term Review Date: 07-Oct-2019

Original Closing Date: 30-Jun-2021

Revised Closing Date: 31-May-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective (PDO) is to improve the management of ecosystems in selected locations in Sri Lanka for conservation and community benefits.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

Component 1: Pilot Landscape Planning and Management:(Cost \$0.70 M)

Component 2: Sustainable Use of Natural Resources and Human-Elephant Co-existence:(Cost \$6.80 M)

Component 3: Protected Area Management and Institutional Capacity:(Cost \$26.00 M)

Component 4: Project Management:(Cost \$1.50 M)

Component 5: Contingent Emergency Response

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

The Project was approved by the World Bank Board on April 25, 2016 for a total IDA Credit of US\$45 million and an implementation period of 5 years. In response to the MoF request the project was restructured with partial cancellation of US\$10 million towards Covid-19 recovery. The project has been impacted by 1) major Covid-19 implications, as the country went into lockdown in May and August 2021 for 6 and 8 weeks respectively with historic high daily infection and death numbers, and by 2) price escalations and shortage of construction materials and fuel. The overall project implementation has been behind schedule. The project has disbursed \$30 million or 86 percent of the total Net Commitment to date. Construction contracts continue with slow performance partly due to being affected by a significantly smaller workforce than required on sites, shortage of cement



and other construction materials and fittings, increasing material suppliers' preference for prepayments, and price escalations. The Project Management Unit has proactively handled the situation with the contract management and introducing changes to the contracts.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	☐ Moderate	☐ Substantial
Macroeconomic	☐ Moderate	☐ Substantial	☐ Substantial
Sector Strategies and Policies	☐ Moderate	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Moderate	☐ Low	☐ Low
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Moderate	☐ Moderate
Fiduciary	☐ Substantial	☐ Moderate	☐ Moderate
Environment and Social	☐ Moderate	☐ Substantial	☐ Substantial
Stakeholders	☐ Moderate	☐ Substantial	☐ Substantial
Other	--	--	--
Overall	☐ Moderate	☐ Moderate	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

Outcome A: Integrated decision - making balancing conservation & development needs				
▶ Local policies and/or measures influenced by integrated decision-making (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	4.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	<p>The completed activities listed below, lead to integrated decisions decision making and reforms of existing policies or new policy directions:</p> <ol style="list-style-type: none"> Preparation of 2 Pilot Landscape Plans National Forest Inventory Elephant DNA analysis Elephant Movement and Distribution patterns[AJ1] Forestry Sector Master Plan <p>Pilot landscape plans aimed at safeguarding highly sensitive ecosystems introduce sustainable land use management principles that support sound forest management strategies. This approach has then been</p>			



embedded in the 10-year Forestry Sector Master plan, which is currently being prepared. Similarly, the output of the Elephant DNA Analysis and Elephant Collaring Programme would be extremely beneficial for better elephant management in response to the prevailing human-elephant conflict in Sri Lanka. Research outcomes would be substantially beneficial to fill the knowledge related to elephant management in Sri Lanka.

Outcome B: Increased opportunities for joint natural resources management & sustainable use

► Beneficiaries that agree project investments reflected their needs (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	47.00	64.00	75.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-May-2023
Comments:	Based on the community survey completed in January 2022.			

Outcome C: Reduced damages to crops & human lives from human-elephant conflict

► Reduction in crop and property damages in areas of community fencing (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	97.00	97.00	45.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-May-2023
Comments:	Comments: (97% of the people agreed that the HEC mitigation strategies have influenced on protecting their crops and properties. – CBS) This has to be further analyzed after completion of all fencing activities.			

Outcome D: Improved Protected Area management system

► Areas brought under enhanced biodiversity protection (ha) (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	289,848.00	289,848.00	350,000.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023
Comments:	A range of biodiversity protection and enhancement activities are implemented in selected protected areas by the Forest Department and the Department of Wildlife conservation include, rehabilitation of water tanks, cascade systems, improvement of road network, invasive alien species management , assisted natural regeneration, plant enrichment activities, forest fire prevention measures, boundary demarcation, updating national forest inventory, implementing smart patrolling programme and upgrading infrastructure facilities for enforcement officers. These protective measures have not only helped sustain biodiversity, but have also contributed to the restoration of degraded ecosystems.			



Outcome E: Improved quality of nature-based tourism in Protected Areas

► Visitors agree that investments and visitor management improvements have enhanced the quality of nature-based tourism (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	85.00	50.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	Calculation of the progress on the perception of the enhancement of the quality of infrastructure and management in nature-based tourism is based on local tourists as these are recurrent visitors (and were the only visitors during the COVID 19 related stark reduction in foreign tourists.)			

Outcome F: Improved capacity for ecosystem management

► Trained staff demonstrating improved capacity for ecosystem management (index) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	2.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	The overall efficiency, relevancy and sustainability of training programmes conducted by implementing agencies is being assessed and the actual will be updated afterwards.			

Intermediate Results Indicators by Components

Component 1: Pilot Landscape Planning and Management

► Strategically planned pilot landscapes with citizen participation (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	2.00	2.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	The Hurulu-Kaudulla-Kanthale and the Sinharaja Landscape Management Plans have been completed and validated with stakeholders. Preparation of these plans has included consultations and dialogue with stakeholders including local communities.			

Component 2: Sustainable Use of Natural Resources and Human-Elephant Co-existence

► Community Action Plans prepared (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	0.00	59.00	59.00	60.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023
Comments:	Community needs have been identified through Community Action Plans (CAPs) that were developed with community participation in rural areas. At the end of March 2022, a total of 59 CAPs were prepared to support livelihood improvement activities while the target is to develop 60 CAPs. The final, 60th CAP is under preparation.			
► People with improved access to income generating activities as a result of project interventions (Number (Thousand), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	11.13	21.43	10.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	The project interventions have also benefitted more than 21,000 people by improving their access to sources of income generation – this exceeded the initial target of supporting 10,000 rural people. The Interventions involved a range of activities to support sustainable livelihood options, including home garden development, seedling production, seed distribution and promoting organic farming practices. (Source: survey 2021 and reports on beneficiaries by DWC)			
► Direct project beneficiaries (Number (Thousand), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	26.98	32.21	25.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023
Comments:	Individuals directly benefitted from livelihood improvement activities and community fencing programme.			
□ Female livelihood activities in targeted communities increased (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	51.00	51.00	30.00
► People whose assets protected as a result of HECOEX interventions (Number (Thousand), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.84	5.10	16.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023
► Villages and agriculture plots protected as a result of human-elephant co-existence activities (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	11.00	13.00	107.00



Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023
► Institutional framework for sustainable management of the fencing program in place (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	Yes	Yes
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	An institutional framework has been set following a series of stakeholder consultations and engagement with key officials including the Department of Agrarian Development, Ministry of agriculture, and Divisional Secretariats to sustain the erected fences – after the project ends – through Community Based Organizations (CBOs) that have been established as a part of the programme.			
► Knowledge products on elephant management in place (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	3.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023
Comments:	<ol style="list-style-type: none"> 1. Elephant DNA analysis (90% Completed) 2. Elephant collaring data for identifying elephant movement and distribution pattern 3. HEC study for HKK Complex (Completed) 4. Elephant Early warning system 5. Technical guide on construction and maintenance of electric fences. 			

Component 3: Protected Area Management and Institutional Capacity				
► Conservation status & enforcement monitoring and reporting systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3.00	3.00	2.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022
Comments:	<ol style="list-style-type: none"> 1. SMART Patrolling 2. National Forest Inventory (Data collected by field officers of the forest Department and the system is updated by the Head Office) 3. Map plantation database (GPS data collected by Field Officers) 			
► Protected Area level nature-based tourism plans (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5.00	5.00	7.00
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023



Comments:	Four (04) plans have been already prepared. Preparation of NBT plan for <i>Galwila</i> is 95% completed. The rest is a composite plan (comprising 06 areas - <i>Hurulu, kawdulu, Kanthale, Minneriya, Somawathi and Chundakkadu</i>) is in progress.									
► Staff trained (Number, Custom)										
	Baseline	Actual (Previous)	Actual (Current)	End Target						
Value	0.00	1,862.00	1,939.00	310.00						
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022						
Comments:	Post evaluation of some of the trainings have been undertaken with positive feedback from the trainees and their respective supervisors.									
► Range level PA management plans implemented (Number, Custom)										
	Baseline	Actual (Previous)	Actual (Current)	End Target						
Value	0.00	11.00	11.00	11.00						
Date	01-Jul-2016	30-Apr-2021	31-Mar-2022	30-Jun-2022						
► Area of habitat improvement activities (Hectare(Ha), Custom)										
	Baseline	Actual (Previous)	Actual (Current)	End Target						
Value	0.00	289,848.00	289,848.00	350,000.00						
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	30-Jun-2022						
► Supportive infrastructure upgraded for long-term capacity building (Number, Custom)										
	Baseline	Actual (Previous)	Actual (Current)	End Target						
Value	0.00	1.00	3.00	3.00						
Date	01-Jul-2016	30-Sep-2021	31-Mar-2022	31-May-2023						
Comments:	<p>Physical progress is as following:</p> <table border="0"> <tr> <td>1 Nuwaraeliya SLFI</td> <td>45%</td> </tr> <tr> <td>2 Inamaluwa SLF</td> <td>97%</td> </tr> <tr> <td>3 Giritale NWRTC</td> <td>27%</td> </tr> </table> <p>Major construction works undertaken by the project for long-term capacity building include, Sri Lanka Forestry Institute (Nuwara Eliya), Forest Field Training Centre (Inamaluwa) and the National Wildlife Research Training Centre (Girtale). These substantial investments have been undertaken to enhance knowledge management at a national level and improve field-based research facilities within the Forest Department and Department of Wildlife Conservation. This is expected to equip these departments to enhance their skills in enforcement and management of sensitive ecosystems sustainably while conserving them.</p>				1 Nuwaraeliya SLFI	45%	2 Inamaluwa SLF	97%	3 Giritale NWRTC	27%
1 Nuwaraeliya SLFI	45%									
2 Inamaluwa SLF	97%									
3 Giritale NWRTC	27%									
► Long-term training programs developed (Number, Custom)										



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	2.00
Date	01-Jul-2016	30-Apr-2021	31-Mar-2022	30-Jun-2022

Performance-Based Conditions

Data on Financial Performance

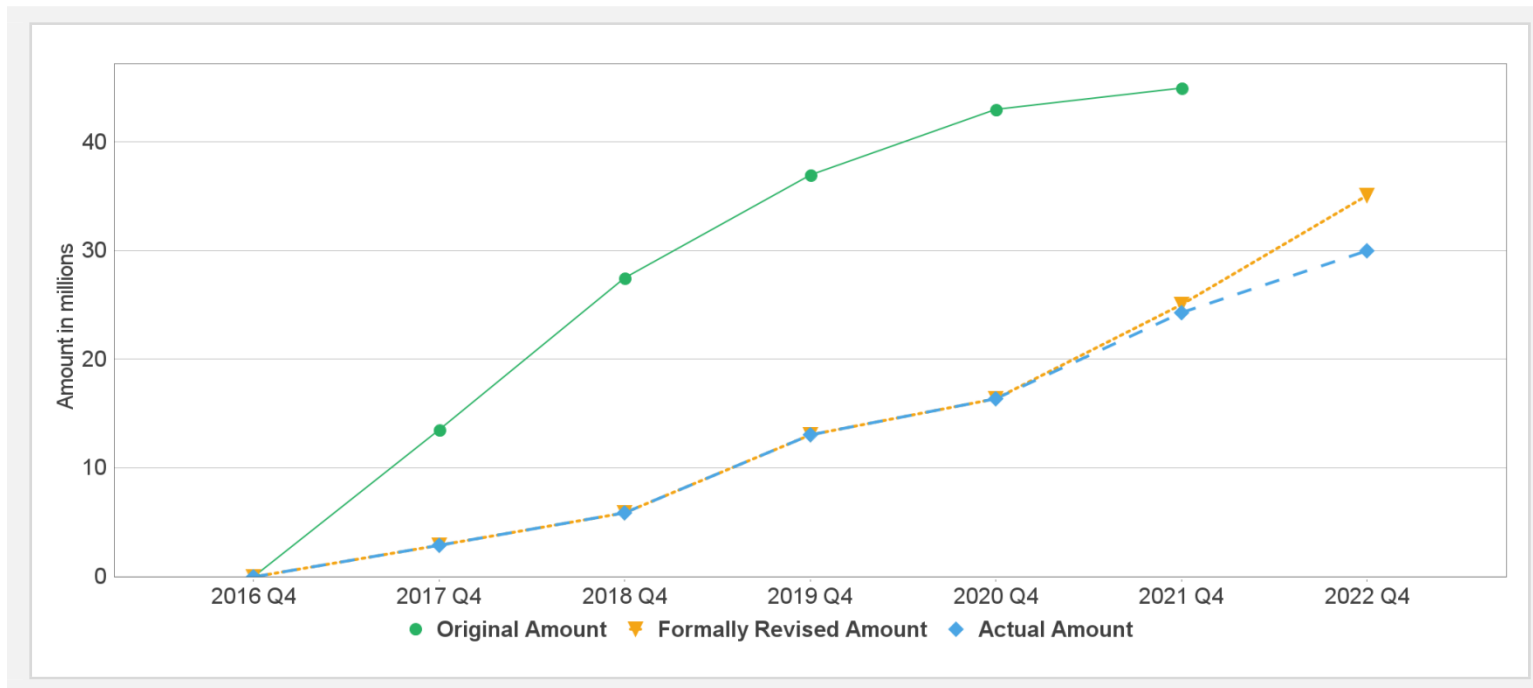
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P156021	IDA-57920	Effective	USD	45.00	35.00	10.00	29.98	5.15	85%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P156021	IDA-57920	Effective	25-Apr-2016	05-Sep-2016	01-Dec-2016	30-Jun-2021	31-May-2023

Cumulative Disbursements





Restructuring History

Level 2 Approved on 29-Aug-2018 ,Level 2 Approved on 21-Apr-2020 ,Level 2 Approved on 19-Jun-2020 ,Level 2 Approved on 23-Dec-2020 ,Level 2 Approved on 31-May-2022

Related Project(s)

There are no related projects.
