Preparation of Cluster Completion Report for all Clusters
Implemented in 12 project Districts under the Agriculture Sector
Modernization Project Ministry of Agriculture, funded by the World
Bank (IDA fund and EU grant)

Procurement No: LK-MOA-PMU- 456007-CS-INDV

Cluster Completion Report – Northern Province

December 2024

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List of Abbreviations

ASMP Agriculture Sector Modernization Project

ATDP Agriculture Technology Demonstration Park

CBO Community Based Organization

CDP Cluster Development Plan

DSD Divisional Secretary Division

FBS Farmer Business School

FD Forest Department

DS Divisional Secretary

EU European Union

GN Grama Niladhari

GoSL Government of Sri Lanka

GRC Grievance Redress Committee

GRM Grievance Redress Mechanism

IDA International Development Association

IPM Integrated Pest Management

LA Local Authority

MOA Ministry of Agriculture

NGO Non-Governmental Organization

PMU Project Monitoring Unit

PPE Personal Protective Equipment

PPMU Provincial Project Management Units

PS Pradeshiya Shaba

PUC Public Unlisted Company

SMP Social Management Plan

WB World Bank

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CHAPTER 01: INTRODUCTION

1.1 Project background

The Sri Lankan agriculture sector plays a crucial role in the rural labor market. However, its contribution to the country's GDP has declined from over 40% to less than 10% over several decades. Despite this long-term decline, the sector experienced a 3.6% growth in 2023, increasing its contribution to GDP to 10.7% (DCS, 2023). Nationally, about 26.5% of the employed population works in agriculture. Around 1.65 million smallholder farmers operate less than 2ha of land and contributes 80% to the total agricultural production. Nonetheless, the sector has faced numerous challenges over the years. Among these challenges, factors such as low productivity and profitability, limited adoption of mechanized farming, inadequate private investment, restricted market access, insufficient credit and financial services, poor infrastructure, poor pest and disease management practices, and the impacts of climate change have all hindered the sector's performance. With this background, The Agriculture Sector Modernization Project (ASMP) was launched with the aim of enhancing agricultural livelihoods by improving productivity, targeting market-oriented production, especially for export, upgrading value chains, and bolstering production and market infrastructure and capacity. The project was funded with a credit of US\$ 58.63 million from the World Bank through the International Development Association (IDA) and a grant of US\$ 28 million from the European Union (EU). It comprises three key components:

- 1. Agricultural Value Chain Development: Promoting commercial and export-oriented agriculture.
- 2. Productivity Enhancement and Diversification Demonstration: Supporting smallholder farmers to produce competitive and marketable commodities, improve their market responsiveness, and increase commercialization.
- 3. Human Resources Management and Capacity Building: Focusing on logistics, monitoring and evaluation, communication, and overall project coordination.

The ASMP expected to improve small-scale farmers' living standards by boosting productivity and competitiveness through new technologies and management practices. It introduced high-value, export-oriented crops, helped establish market linkages, scaled up production using the cluster concept, and enhanced value addition. By adopting cluster concepts with Cluster Development Plans (CDPs), farmers cultivate high valued crops using, the given technologies, knowhow, improved infrastructure facilities, machineries and farming tools and equipment. Seventy-two clusters were formed with the expectation that farmers in these clusters would establish farmer companies known as Public Unlisted Companies (PUCs). These PUCs help mitigate issues related to traditional fragmentation in the sector. They also enhance farmers' collective bargaining power while allowing them to make independent decisions on product supply, quality, profitability, and sustainability. As these companies mature, they are expected to create their own business environments. PUCs play a crucial role in ensuring that farmers are both contributors to and beneficiaries of the agricultural value chain. These Farmer Companies are distributed strategically across 12 districts [7 districts under World Bank (WB) and 5 districts under European Union (EU)] to maximize their impact on regional agricultural development and the assistance provided by the project was directed towards individual farmers and PUCs. The investment made by the ASMP for one Cluster, which produces at least one PUC, is more than 360 million rupees. The investment covers costs for Irrigation systems, land preparation implements, some inputs such as insect proof nets, poly mulch, fertilizers, seeds, poly tunnels in some clusters, processing facilities and equipment, construction of agro-wells, access roads, establishment of PUCs, farmer training and capacity building etc.

1.2 BRIEF DESCRIPTION OF THE PROJECT

The Agriculture Sector Modernization Project (ASMP) is comprised of three components. The Component-1, Agriculture Value Chain Development, seeks to promote commercial and export-oriented agriculture and this component is implemented by the Ministry of Plantation Industries (MOPI). The Component-2, Productivity Enhancement and Diversification Demonstration (this particular assignment relates to the Component-2) is implemented by the Ministry of Agriculture (MOA). The Component-2 aims to support smallholder farmers to produce competitive and marketable commodities, improve their ability to respond to market requirements and move towards increase commercialization. The Component-3 focuses on human resource management, and capacity building, logistic requirements, monitoring and evaluation, communication, and coordination of the overall Project.

The listed below are the sub-components of the Component-2 of the ASMP implemented under the MOA:

- a. Farmer Training and Capacity Building: Under this Sub-component, all the non-technical farmer trainings (mainly through Farmer Business School FBS) are provided to all the member farmers of the Farmer Companies (FCs) as well as to the selected non-member farmers living around the cluster areas with the aim of improving their soft skills (referring farming as a business), carry out related awareness and exposure visits (local as well as foreign), empowering Farmer Companies providing the related trainings to the lead farmers as well as to the potential second generation young farmers, and providing all the assets needed to operate the Farmer Companies.
 - All related institutional capacity building activities are carried out under this sub-component in order to establish and empower the Farmer Companies.
- b. Modern Agriculture Technology Parks (ATDPs): This is the main Sub-component the Component-2 of ASMP. All the crop cluster selection, design, establishment, and continuity of crop clusters is ensured under this sub-component. Each individual member farmer of the FC will receive a technology package as a grant under this Sub-component. In addition, farming related collective assets, cluster specific common Agro Processing Hubs APHs (mostly one per each cluster), and common Urban Marketing Centers UMCs (mostly one per each District), certain technical exposure visits, trainings and awareness, specific technical consultancies will be delivered under this Sub-component.
- c. **Production and Market Infrastructure:** Under this Sub-component, Cluster / ATDP specific market infrastructures (Eg. Common APHs, UMCs, *Compost Making Units CMUs*), required irrigation infrastructures, identified market access roads and any other specific supportive infrastructures will be established. In addition, the consultancy assignments related to Engineering Designing and Establishments will be carried out under this sub-component.
- d. **Analytical and Policy Advisory Support:** Related Policy Studies as well as required Analytical Studies are carried out under this particular Sub-component. In addition, conducting certain related assessments / evaluations, organizing **Techno Forums**, **Policy Forums**, formulation Policy / Strategy briefs / guidelines are carried out.

Project Management Unit (PMU) of the ASMP together with the **Provincial Project Management Units (PPMUs)** implement the project activities with the support and the guidance of the Ministry of Agriculture mainly through its Project Management Unit, the Provincial Ministries of Agriculture and other relevant stakeholders.

The Democratic Socialist Republic of Sri Lanka has obtained a Credit of US\$ 58.63 Million from the World Bank through the International Development Association (IDA) and received Grant of US\$ 26 Million from the European Union (EU) for the ASMP of the Ministry of Agriculture.

1.3 THE NEED FOR CLUSTER COMPLETION REPORTS

All project activities funded under the Agriculture Sector Modernization Project (ASMP) are about to be completed at the end of December 2024. As a result, it is the obligation of the project to the World Bank and The European Union that an evaluation of the implementation of CDPs, establishment of PUCs, development and improvement of proposed market, processing and other infrastructure facilities and training and capacity building is needed to be done prior to completion of the project. Hence, this report would cover an evaluation of actual status of the project interventions against CDPs and initially proposed activities of the project. Specifically, the completion status of each component covering all activities related to agriculture productivity enhancement, market infrastructure development, institutional development and asset transferring, safeguards, farmer training, and capacity building, collecting and post-harvest processing centers, inputs distribution as per the introduced new technologies etc. were identified while giving emphasis on activities which are yet to be completed. It is also a fact that understanding sustainability measures adopted by PUCs would provide insights into how the PUCs will function without any issue in the future. An evaluation was conducted to assess the progress in achieving the Result Framework Indicators outlined in the Project Appraisal Documents. This included identifying unexpected impacts and risks, such as environmental challenges and market fluctuations, and how these were addressed through adaptive measures like enhanced risk management strategies and stakeholder consultations. Key lessons learned from cluster implementation were also identified.

#	Province	District	Cluster	Cluster type
1			1. Passion fruits production	Pilot
2			2. Onion seed production	Pilot
3		Matale	3. Hybrid Chili seed production	Pilot
4		Matale	4. TEJC Mango production	Pilot +ISP
5			5. Guava Production Cluster	ISP
6	central		6. TJC Mango instead of MD2 pine apple	ISP
7			1. Dry Chili Production (2021)	Pilot+EU
8		Vandy	2. Hass Avocado production Cluster	EU
9		Kandy	3. Vegetable seed production	EU
10			4. Ambul Banana	EU
11			1. Chilli production	pilot
12		Jaffna	2. TJC Mango production/ chili	ISP+pilot
13		Jaiilia	3. Potato Red onion Production Cluster	ISP
14			4. Organic Small Banana Production	ISP
15			1. Ground Nut production	pilot
16			2. Passion fruit Production	pilot
17		Mullaitivu	3. Kolikuttu Banana/Chilli Production	ISP
18		iviuliaitivu	4. Pomegranate/Chilli Production Cluster	ISP
19			5. Papaya/Chilli Production Cluster	ISP
20			6. Dry chili cluster	Pilot
21			1. Jumbo peanut production cluster	EU + pilot
22	Northern	Kilinochchi	2. Passionfruit production cluster	EU + pilot
23			3. Chili Production cluster	EU

24			4. Pomegranate Cluster	EU
25			1. Dried Chilli Production	EU
26			2. Maize seed production	EU
27		Vavuniya	3. TJC Mango	EU
28			4. Papaya Production	EU + pilot
29			5. Cassava Production cluster	pilot
30			Passionfruit production	pilot
31			2. Pineapple production	pilot
32			3. TEJC Mango production	pilot+ISP
33			4. Moringa Leaves Production	pilot
34		Monaragala	5. Bee keeping	pilot
35			6. Cavendish Banana Production Cluster	ISP
36			7. Cavendish Banana instead of MD2 pine apple	ISP
37			8. Chilli Production	pilot
	Uva			
38			1. Avocado Cluster	EU
39			2. Dry Chili Production Cluster	EU
40			3. Seed Potato Cultivation -	EU +Pilot
41		Badulla	4. Vegetable production cluster	EU
42			5. Passionfruit production cluster	pilot
43			6. Mandarin Production	pilot
44			7. Soursop Production	pilot
45			1. Cucumber Production	pilot
46			2. Green chilli Production Kaluthavalai	pilot
47			3. Dry chili production	pilot
48			4. Ground Nut Production Kathiravelai	pilot
49		Batticaloa	5. Ground Nut Production Karadiyanaru	pilot
50			6. Cavendish Banana production	ISP
51	Eastern		7. Pomegranate Production Kaluwanchikudy	ISP
52			8. Pomegranate Production	ISP
53			1. Dry Chili Production Cluster	EU
54		Ampara	2. Jumbo peanut Production (pilot cassava 100)	EU + pilot
55			3. Maize seed production Cluster	EU
56			4. Soursop Production Cluster	EU+pilot
57			1 Green chilli production	pilot
58	Nowth		2 Bitter gourd Production	pilot
59	North Central	Anuradhapura	3 Mushroom production	pilot
60	Central		4. Aloe Vera Production	pilot
61			5. Moringa Leaves production	pilot

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62		6. Maize seed Production	pilot
63		7. Small Banana Production Cluster	ISP
64		8. Dry Chili Production Cluster	ISP
65		9. Guava Production Cluster	ISP+pilot
66		1. Green chilli production	pilot
67		2. Bitter gourd Production	pilot
68		3. Mushroom production	pilot
69	Polonnaruwa	4. Aloe Vera cultivation	pilot
70		5. Dry Chili Production Cluster	ISP
71		6. Papaya Production Cluster	ISP+pilot
72		7.Vegetable Production Cluster	ISP
		Total Entire project	

1.4 SCOPE OF THE WORK

Cluster completion Report should comprise of followings:

- Matrix indicating all the activities
- Cluster Completion Report

A Cluster completion report should include:

1.	Project	o Brief description of the implemented sub-project components comparing						
	background/	with the Cluster Developments Plans and Project Proposals indicating all						
	objectives	planned activities						
		o Summary of Project Implementation						
		 Sub-project Documentation (Date of submission / approval, Date of Subproject Implementation; Date of completion) Cluster cultivation activities and their details (date of cluster cultivation) 						
		started, date of completion,						
		 Sub-Contract Details for infrastructure activities (i.e., how many infrastructure activities started, how many completed, physical progress, financial progress, status of handing over, etc) 						
		Description of each input package given to farmers (new, existing, other)						
		Cost of each input package (new, existing, other)						
		How many farmers received each package (new, existing, other)						
2.	Agriculture	- Details of crop clusters by each district indicating the crops, no of farmers						
	Productivity	planned/selected, land extent (Acres/Ha), no of farmers started/extent in						
	Improvement	Ha, no of farmers harvested/extend in Ha, no of farmlands						
	Activities	abandoned/extent in Ha, etc						
	(Cultivation activities)	 Clusters not started harvesting yet, details such as expected timeline of yield with forecasted yield for year 1, 2, 3, 4, or more years until full maturity as appropriate 						
		 Details of inputs provided (irrigation systems established, purchased, functioning, abandoned, planting/seeding materials, fertilizer, land preparation inputs, machineries & equipment provided such as tractors, 						
		tillers, bed makers, operational mechanism of such inputs, etc)						
		- Cost of production for each crop based on the available data						
		 Details of harvest (quantity of harvest expected, quantity of harvested, quantity of harvest sold, income including foreign exchange earnings, etc) 						

		Description of the least of the
		- Description of any backward linkages to local services providers
		- Details of IPM practices implemented in each crop cluster in each stage
		- Details of trainings/awareness conducted (no of trainings conducted, direct
		and indirect beneficiaries of training, photos of such trainings, etc
3.	Production	- List of infrastructures identified, selected and implemented under each
	and Market	cluster by districts such as roads, culverts, canals,
	Infrastructure	- Status of implementation (physical and financial progress of each activity,
	Development	handing over status, etc)
	S	- Details of common infrastructures such as Agro-wells and Solar powered
		systems and uses
		- Operations and maintenance plans for each infrastructure
		- Sustainability measures for each infrastructure activity
		- Status of Collecting Centre / Processing Centre & equipment including how
		much was spent on the PUC post-harvest center including building
		construction and rehabilitation, PUC office facilities, PUC office equipment,
		and so on
		- Completion certificates/taking over certificates
4.	Farmer	- Details of institutional set-ups established (FOs/PUCs established,
	training and	Registered, in-operations, pending, no of clusters covered)
	Institutional	- No of farmers in each institutional set-up (FO/PUC) and no of shareholders
	Development	of each PUCs
	Activities	- Share capital collected in each cluster/PUC and status of the capital
		investment
		- sustainability mechanism of Processing facilities
		- Training/Awareness conducted for each cluster including business
		management (FBS & PUC training)
		- Status of Business Plans for each cluster
		- Status of marketing of production (market linkages)
5.	Financial	- Details of expenditure Planned under each cluster (expenditure planned
	Status	under each intervention such as crop establishment, irrigation
		establishments, infrastructure developments, the establishment of
		processing centers, establishment of PUCs, etc)
		- Details of expenditure incurred under each cluster (expenditure incurred
		under each intervention such as crop establishment, irrigation
		establishments, infrastructure developments, the establishment of
		processing centers, establishment of PUCs, etc) (Expenditure on each
		beneficiary?)
		- Details of beneficiary contribution in each cluster
		- Financial progress including due payments
		- Plan for Expenses under each cluster by December 2024
6.	Indictor	- As per the result- framework (Existing status of PDOs 1-7/Progress and 18
	achievements	IRs)
		- No of jobs created through the cluster initiatives
7.	Best practices	- Document all best practices implemented under each cluster
	implemented	
8.	Information	- Transferring of technology – technology transfer to implementing
	Dissemination	agencies such as DOA, PDOA, MASL, PUC, etc
		- Information Dissemination Channels: This focuses on the communication
		methods used to spread information within communities.
		- Timely Access to Information: This highlights the importance of receiving
		information promptly.

	1	Information Availability: This emphasizes that the information needed is
		readily accessible. (Documents, VIDEOS etc.)
		Sharing information : To a more interactive process of including relevant
		parties in the information exchange.

1.5 Basic Data:

Project Implementation Start Date	Project Implementation End Date
15.12.2016	31.10.2021
Expected Effective Date	Expected Closing Date
30.09.2016	31.12.2021

	T .
Project Component - 2	58.63 US\$ million
	(WB)+28 US\$ million
	(EU)
Farmer Training and	6.20 US\$ million
Capacity Building	
ATDP	33.44 US\$ million
	(WB)+28 US\$ million
	(EU)
Production and Market	14.71 US\$ million
infrastructure	
Analytical and Policy	4.28 US\$ million
Support	

Project Financing (WB)	Credit
Total World Bank Financing/ IDA	125 US\$ million
Burrower/ Recipient	0.74 US\$ million
Local Community	0.00 US\$ million
Local Farmer Organizations	44.10 US\$ million
Total Project Cost	169.84 US\$ million

CHAPTER 02: CLUSTER DEVELOPMENT PLAN AND IMPLEMENTATION

Formulation of CDPs comes under the component-02 of ASMP, where it aims to support smallholder farmers to produce competitive and marketable commodities, improve their ability to respond to market requirements and move towards increase commercialization. Farmer Training and Capacity Building, Development of Modern Agriculture Technology Parks (ATDPs), Development of Production and Market Infrastructure and Analytical and Policy Advisory Support are the main subcomponents implemented by the ASMP under the main component-02. Farmer training and capacity building was mainly implemented through the concept of Farmer Business School where members of the PUC and non-members received the training and awareness of different aspects of crop management, business management, cultural practices, new technologies etc. The selection, design, establishment, and continuity of all crop clusters were ensured under sub-component of development of ATDPs. Furthermore, Agriculture Technology Demonstration Parks (ATDPs) supported farmers in several key areas:

- Developing professional producer associations.
- Improved production capacity and input supply/management.
- Achieving economies of scale in production and exports.
- Improved market linkages and opportunities for value addition.
- Enhancing efficiency in providing technical and other support services.
- Better and more efficient technologies for production and postharvest processes.
- Capacity building through farmer business and marketing training.

Each individual member farmer of the Farmer Company (FC) received a technology package as a grant through this sub-component. Under the subcomponent of developing production and market infrastructure, specific market infrastructures for clusters/ATDPs, necessary irrigation systems, identified market access roads, and other supportive infrastructures were established. Additionally, consultancy assignments related to engineering design and establishment were carried out.

2.1 Project Implementation

	Cluster	Abbr.	No of farme rs	No of Farme rs	Extent (Acre)	Start Year
	1. Chilli production	JFN-DCL	208	147	96.5	2024 Maha
ā	2. TJC Mango production/ chili	JFN-TJC	200	378	101	2019
Jaffna	3. Potato Red onion Production Cluster	JFN-PTRO	500	500	254.5	2022
	4. Organic Small Banana Production	JFN-SBNA	500	588	289	2022
	1. Ground Nut production	MUL-GNT	300	300	200	2018
Mullaitivu	2. Passion fruit Production	MUL- PSNFT	220	220	25	2019
	3. Kolikuttu Banana/Chilli Production	MUL- KBNA	300	300	58	2023
	4. Pomegranate/Chilli Production Cluster	MUL- PMGT	150	150	35	2022
	5. Papaya/Chilli Production Cluster	MUL-PPA	400	300	100	2022
	6. Dry chili cluster	MUL-DCL	300	129	46.5	2022

Kilinochchi	Jumbo peanut production cluster	KIL-JPN	530	530	265	2020
oct	2. Passionfruit production cluster	KIL-PSNFT	100	200	100	2022
Giin	3. Chili Production cluster	KIL-DCL	300	300	115	2023
	4. Pomegranate Cluster	KIL-PMGT	150	150	29.5	2024
	1. Dried Chilli Production	VAV-DCL	247	300	150	2021
iya	2. Maize seed production	VAV-MZD	400	400	200	2022
Vavuniya	3. TJC Mango	VAV-TJC	300	200	100	2023
Va	4. Papaya Production	VAV-PPA	550	414	207	2020
	5. Cassava Production cluster	VAV-CSV	100	100	50	2021

CHAPTER 03: OBJECTIVES AND METHODOLOGY

The primary objective of this assignment is to prepare Cluster Completion Reports for all 72 clusters (including total number of direct project beneficiary achievement, production and market infrastructure developments, processing and collecting centre facilities, Institutional development and individual capacity building of beneficiaries, inputs distribution under new technology packages, and Farmer Contribution) implemented in 12 project districts under five provinces (NP, CP, NCP, UP, EP) using IDA and EU funds.

3.1 Specific Tasks

- Establish actual status for all project interventions against Cluster development plans and project proposals
- Identify the completion status of each component covering all agriculture productivity enhancement, production, and market infrastructure development, direct project beneficiaries, institutional development and asset transferring, farmer training, and capacity building, collecting and post-harvest processing centers, inputs distribution as pr the introduced new technologies etc
- Identify interventions which are yet to be completed and action plan for those activities with responsibilities
- Sustainability measures taken for each and every cluster intervention including PUC Operations
- Status of achieving (Progress) Result Framework Indicators as per the Project Appraisal Documents
- Status of handing over project activities to respective implementation agencies identified by the ASMP such as PDOA, MASL, etc

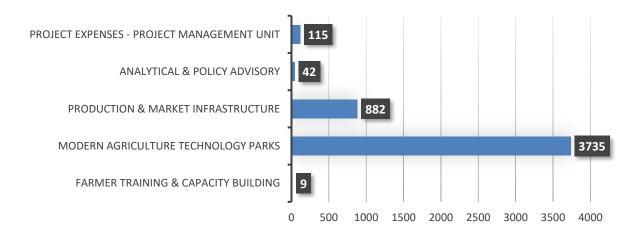
3.2 Methodology

All project activities funded under the Agriculture Sector Modernization Project (ASMP) are about to be completed at the end of December 2024. As a result, it is the obligation of the project to the World Bank and The European Union that an evaluation of the implementation of CDPs, establishment of PUCs, development and improvement of proposed market, processing and other infrastructure facilities and training and capacity building is needed to be done prior to completion of the project. Hence, this report would cover an evaluation of actual status of the project interventions against CDPs and initially proposed activities of the project. Specifically, the completion status of each component covering all activities related to agriculture productivity enhancement, market infrastructure development, institutional development and asset transferring, safeguards, farmer training, and capacity building, collecting and post-harvest processing centers, inputs distribution as per the introduced new technologies etc. were identified while giving emphasis on activities which are yet to be completed. It is also a fact that understanding sustainability measures adopted by PUCs would provide insights into how the PUCs will function without any issue in the future.

CHAPTER 04: FINDINGS AT COMPLETION IN NORTHERN PROVINCE

4.1 OVERALL PROJECT COST

Activity	Expenditure (Million LKR)	% of Expenditure
Farmer Training & capacity Building	9.18	0.19
Modern Agriculture Technology parks	3,734.70	78.10
Production & Market infrastructure	882.05	18.44
Analytical & Policy Advisory support	41.65	0.87
Project Expenses - Project Management Unit	114.58	2.40
Total Expenditure	4,782.16	100.00



Expenditure (Million LKR)

4.2 CDPs, IMPLEMENTATION AND OUTPUTS

identified to ensure comprehensive growth and sustainability. These components encompassed various aspects of the ASMP, from training and infrastructure to policy support and project management.

- 1. Farmer Training & capacity Building
- 2. Modern Agriculture Technology parks
- 3. Production & Market infrastructure
- 4. Analytical and policy Advisory Support
- 5. Project Management, Monitoring and Evaluation

Farmer Training & Capacity Building

This component focused on enhancing the skills and knowledge of farmers through targeted training programs, awareness sessions and workshops. It included PUC training, FBS training and FPO/technical training. Capacity building initiatives aimed to empower farmers with the latest agricultural

practices, technologies, and management techniques. This includes training on sustainable farming, crop management, pest control, and the use of modern equipment, ultimately improving productivity and profitability.

Modern Agriculture Technology Parks

These parks serve as hubs for innovation and demonstration of advanced agricultural technologies. They provide farmers with access to state-of-the-art facilities and equipment, enabling them to experiment with new techniques and practices. This is the place where non-beneficiaries of the project can experience the technologies and new cultural & management practices.

Production & Market Infrastructure

This component involved the development of essential infrastructure to support agricultural production and market access. It includes the construction of processing centers, storage facilities, irrigation systems, and construction & rehabilitation of some roads to facilitate agricultural activities. By enhancing production and market infrastructure, farmers are expected to improve their efficiency, reduce post-harvest losses, and gain better access to markets.

Analytical and Policy Advisory Support

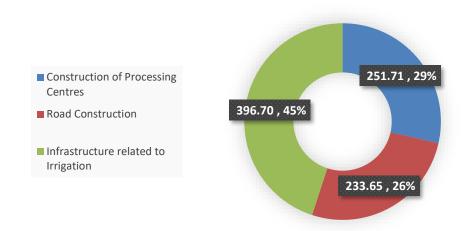
Providing analytical and policy advisory support is crucial for informed decision-making and strategic planning. This component included conducting market analysis, policy research, and impact assessments to guide the development of effective agricultural policies and programs. Advisory support ensured that interventions were data-driven and aligned with the needs of the farming community.

Project Management, Monitoring, and Evaluation

Effective project management, monitoring, and evaluation are vital for the successful implementation of agricultural initiatives. This component focused on establishing robust frameworks and systems to oversee project activities, track progress, and assess outcomes. Regular monitoring and evaluation helped identify challenges, measure impact, and make necessary adjustments to achieve desired results.

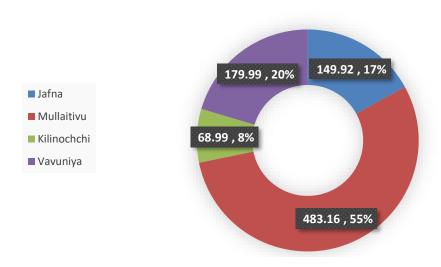
4.3 Production and Market Infrastructure

Expenditure Breadown - Infrastructure Category Wise



The above figure shows the financial distribution and percentage allocation of investments in three major infrastructure development activities: construction of processing centers, road construction, and infrastructure development related to irrigation. Processing centers represent nearly a third (29%) of the total investment, emphasizing the importance of value addition and post-harvest processing capabilities in crop clusters. Over a quarter (26%) of the investment is allocated to improving road infrastructure, which is critical for transportation and market access for agricultural produce. Nearly half (45%) of the total funds are directed toward irrigation infrastructure, highlighting its critical role in enhancing agricultural productivity and ensuring water security. Irrigation infrastructure receives the highest allocation, which aligns with the objective of improving agricultural sustainability and addressing water management challenges. The distribution of funds reflects a balanced approach, with substantial focus on both production-related (irrigation) and market-access-related (processing centers and roads) infrastructure. Investments in processing centers and roads are essential to reduce post-harvest losses, improve supply chain efficiency, and connect rural production areas to markets.

Expenditure Breadown - District Wise



The figure depicts actual expenditure on infrastructure development activities on four districts; Jaffna, Mullaitivu, Kilinochchi, and Vavuniya in northern province. Jaffna received a moderate share of the total investment expenditure. Mullaitivu received the majority share of investments, over half of the total allocation. Actual expenditure related to infrastructure development activities in Kilinochchi is the lowest while Vavuniya has received a significant amount of investment in developing infrastructure related to crop clusters. Much of the investment expenditure has been directed to Mullaitivu district where many poor people live and due to higher socio-economic needs.

4.3.1 Expenditure on Production and Market Infrastructure

Cluster	Construction of Processing Centers (Million LKR) (1)		Road Construction (Million LKR) (2)		Infrastructure related to Irrigation (Million LKR) (3)		Total (Million LKR)		Financial Progress as at Mid November 2024		
	Awarded Value	Actual value	Awarded Value	Actual value	Awarde	Actual	Awarded	Actual value	(1)	(2)	(2)
		value	value	value	d Value	value	Value	value	(1)	(2)	(3)
JFN-DCL	2.18		-	-	-	-	2.18	-			
JFN-TJC	-		73.31	73.96	-	-	73.31	73.96		100.88	
JFN-PTRO	20.29	13.69	14.56	14.20	-	-	34.85	27.90	67.48	97.54	
JFN-SBNA	77.11	48.07	-	-	-	-	77.11	48.07	62.34		
MUL-GNT	34.68	28.76	126.92	119.46	258.85	219.70	420.44	367.92	82.95	94.12	84.87
MUL-KBNA	26.71	15.21	-	•	-	-	26.71	15.21	56.95		
MUL-PMGT	30.39	7.02	28.28	26.03	-	-	58.67	33.04	23.09	92.04	
MUL-PPA	35.92	18.71	-	ı	48.27	48.27	84.19	66.98	52.09		100.00
KIL-JPN	82.79	34.38	-	ı	-	-	82.79	34.38	41.53		
KIL-PSNFT	21.69	27.11	-	ı	-	-	21.69	27.11	125.02		
KIL-PMGT	28.91	7.49	-		-	-	28.91	7.49	25.91		
VAV-DCL	27.88	11.59	-	•	-	-	27.88	11.59	41.59		
VAV-MZD	37.46	36.66	-	-	70.21	70.21	107.68	106.88	97.87	_	100.00
VAV-TJC	27.19	3.00	-	•	58.51	58.51	85.70	61.51	11.03		100.00
Total	453.19	251.71	243.07	233.65	435.85	396.70	1,132.11	882.05			

Many clusters, such as JFN-SBNA, MUL-KBNA, MUL-PMGT, and VAV-TJC, show significantly lower actual expenditures compared to awarded values. This indicates potential unclaimed funds by contractors. The KIL-PSNFT cluster exceeds its awarded value, indicating additional costs incurred. The financial progress for the construction of processing centers varies significantly across different clusters. While some clusters have effectively utilized their funds, others show considerable differences between awarded and actual values indicating that contractors are still to claim the funds before 31st December 2024. The financial progress for road construction projects shows varying outcomes across different clusters. While some clusters have managed their budgets efficiently, others have slightly exceeded their allocations. The total awarded value for road construction activities is LKR 243.07 million, while the actual expenditure is LKR 233.65 million. In JFN-TJC cluster, the actual expenditure (LKR 73.96M) has slightly exceeded the awarded value (LKR 73.31M) by 0.89%,

suggesting a minor budget overrun. Except for MUL-GNT, Irrigation-related infrastructure development activities have largely demonstrated that awarded values and actual expenditure is equal indicating that all the funds have been utilized properly and they are 100% complete.

4.3.2 Status of Completion of production and Market Infrastructure

	Type of Infrastructure	Completed and Functioning	Expected to be completed by 31 st December 2024
ers	Building rehabilitation and renovation	VAV-MZD VAV-DCL JFN-PTRO	VAV-TJC JFN-SBNA MUL-KBNA MUL-PPA
Processing Centers	New building construction	MUL-GNT JFN-DCL VAV-MZD KIL-PSNFT	KIL-DCL KIL-JPN KIL-PMGT MUL-PMGT MUL-GNT MUL-DCL
Roads	Rehabilitation of roads	JFN-TJC JFN-PTRO MUL-DCL MUL-GNT MUL-PMGT	
	Reconstruction of roads	MUL-GNT	
	New construction of roads	MUL-GNT	
_	Reconstruction of irrigation Canal	MUL-GNT	
Irrigation	Rehabilitation of irrigation pumps	MUL-GNT	MUL-GNT MUL-DCL
Irri	Construction of irrigation channels	MUL-GNT MUL-DCL	

Pump house construction	JFN-DCL	
Pump house repair	MUL-GNT	
Pipe laying	MUL-GNT	

Significant progress has been made in processing centers and irrigation infrastructure, with several clusters already operational and others nearing completion by the end of 2024. Building rehabilitation and renovation is still being continued in clusters such as VAV-TJC, JFN-SBNA, MUL-KBNA & MUL-PPA and they are expected to be completed on or before 31st December 2024. New buildings in improving processing infrastructure are under construction in KIL-DCL, KIL-JPN, KIL-PMGT, MUL-PMGT, MUL-GNT & MUL-DCL clusters. They are also to be completed by 31st December 2024. Some irrigation pumps are being rehabilitated in MUL-GNT and MUL-DCL and they are expected to well function soon.

4.4 ATDP Development

			ATDP
			Investment
	Cluster	Abbreviation	(Million LKR)
	Off season Green Chili Production	JFN-DCL	130.54
Jaffna	TJC Mango Production / Chili	JFN-TJC	397.84
Jafí	Potato Red Onion Production	JFN-PTRO	353.14
	Organic Small Banana Production	JFN-SBNA	120.26
	Ground Nut Production	MUL-GNT	145.95
≥	Passion Fruit Production	MUL-PSNFT	88.70
Mullaitiuv	Kolikuttu Banana / Chili Production	MUL-KBNA	77.20
l il	Pomegranate / Chili Production	MUL-PMGT	199.67
Σ	Papaya / Chili Production	MUL-PPA	65.04
	Dry Chili	MUL-DCL	56.35
chi	Jumbo Peanut Production	KIL-JPN	195.88
chí	Passion Fruit Production	KIL-PSNFT	228.84
Killinochchi	Dry Chili Production	KIL-DCL	328.14
Kil	Pomegranate Production	KIL-PMGT	54.27
	Dry Chili Production	VAV-DCL	292.52
iya	Maize seed Production	VAV-MZD	173.59
Vavuniya	TJC Mango	VAV-TJC	253.28
Vav	Papaya Production	VAV-PPA	479.04
	Cassava Production	VAV-CSV	94.46
	Grand Total		3,734.70

This table provides an analysis of the Agricultural Technology Development Park (ATDP) investments across various production clusters in the districts of Jaffna, Mullaitivu, Killinochchi, and Vavuniya. The data includes the allocation of funds in Million LKR for each cluster, with a total investment summary for each district and an overall grand total. The overall ATDP investment across all clusters in the districts of Jaffna, Mullaitivu, Killinochchi, and Vavuniya amounts

to 3,734.70 Million LKR. The TJC Mango Production / Chili cluster has received the highest investment (397.84 Million LKR), indicating a strong focus on enhancing mango and chili production in Jafna district. Other significant investments include Potato Red Onion Production (353.14 Million LKR) and Off season Green Chili Production (130.54 Million LKR). The largest investments in Mullaitivu are directed towards Pomegranate / Chili Production (199.67 Million LKR) and Ground Nut Production (145.95 Million LKR). The Dry Chili Production cluster in Kilinochchi leads with an investment of 328.14 Million LKR, showcasing a strong emphasis on chili production. Passion Fruit Production (228.84 Million LKR) and Jumbo Peanut Production (195.88 Million LKR) are also significant. The largest investment in Vavuniya district is directed towards Papaya Production (479.04 Million LKR), reflecting a strategic focus on this high-value crop. Other notable investments include Dry Chili Production (292.52 Million LKR) and TJC Mango (253.28 Million LKR). The emphasis on high-value crops such as mango, chili, and papaya is a notable feature in these districts.

4.4.1 Production Data of ATDPs

					Existence of			
					an			
	Expected	Actual	605	D. Co.	agreement			
	Yield	Yield	COP	Price	with a		And delice the cont	D
Cluster	(Mt/Ac/Yr)	(Mt/Ac/Yr)	(Rs/kg)	(Rs/kg)	buyer	Buyers	Marketing channel	Remarks
			100-150	100-1000				Green chili is
JFN-DCL			(green	(green			Middle men and local	mainly
	32	32	chili)	chili)	N/A	N/A	market	produced
						Jaffna	Sold a portion to	
JFN-TJC					Draft	Horticulture (pvt)	predetermined buyer	
	50	14.7	50-140	300-500	prepared	Ltd	for export purposes	
IEN DTDO							Middle men and local	
JFN-PTRO	25.8	59	56-90	300	No	Local market	market	
						Dole Lanka	Middle men and local	
JFN-SBNA						Ceylonese Trader	market	
JEIN-SDINA						Import and	Predetermined buyer	
	20	12	30-60	80-150	No	Export (pvt) Ltd	for export purpose	
								Buyer
MUL-GNT						David Gram and	80% of the production is	Agreement
	1.1	0.9	430	400-700	Yes	Amal Gram	marketed through PUC	expired

MUL-PSNFT					Draft	Great Frozen pvt	Middle men and local	
MIOL-PSINFT	32	9	60	250	prepared	Ltd	market	
MUL-KBNA	20	18	70	250	No	Not Available	Middle men and local market	
	20	10	70	230	INO	NOT Available	market	
MUL-PMGT		Not	Not	Not				
	18	harvested	harvested	harvested	No	Not Available	Not harvested	Not harvested
MUL-PPA					Draft			
WIOLITA	45	24	35	20-120	prepared	CR Exports		
MUL-DCL							Middle men and local	Only green chili
WIGE DCE	15	15	62	70-600	No	Local market	market	is produced
KIL-JPN	8	0.9	450	750	Yes	C.W. Mackie PLC	Through PUC	
KIL-PSNFT						Great Frozen pvt		
KIL-F JIVI I	6	8	292	450	Yes	Ltd	Through PUC	
								Only green chili
								is produced.
KIL-DCL								Farmers are
								waiting for the
	22		4.4	250	N 1 -	t and and a	Middle men and local	dryer to
	32	9	44	250	No	Local market	market	construct
KIL-PMGT		Not	Not	Not				
_	18	harvested	harvested	harvested	No	Local market	Not harvested	Not harvested
			151					
			(Green					
VAV-DCL			Chili)					
			660 (Dry				Through PUC, Middle	Agreement in-
	15	8	Chili)	100-1000	Yes	Cargills	men and local market	process
VAV-MZD			4005			010	DOA, Middle men and	
	0.4	0.21	1025	1400	Yes	CIC	local market	
VAV-TJC	F.0	Not	Not	Not			Niet be	
	50	harvested	harvested	harvested	No		Not harvested	

							Middle men and super	
VAV-PPA		Just				CR Exports,	market channel (these	1st harvest
		started				Serendib Global,	super markets expected	started Oct
	45	harvesting	24.77	40	No	Cargills	to export the product)	2024 (EU)
\/A\/ C\$\/							Middle men and local	
VAV-CSV	73	11	15	50			market	

The table provides an overview of agricultural clusters, their expected and actual yields, costs of production (COP), prices, marketing channels, and buyer agreements. The observations highlight significant variations in production efficiency, market engagement, and profitability.

Most clusters show a significant gap between expected and actual yields, indicating challenges in achieving optimal production. Clusters like JFN-PTRO surpassed expected yields (59 Mt/Ac/Yr vs. 25.8 Mt/Ac/Yr), while JFN-TJC and MUL-PSNFT exhibit much lower actual yields (14.7 and 9 Mt/Ac/Yr respectively). Several clusters (JFN-TJC, MUL-PPA, VAV-DCL) have drafted buyer agreements, showing potential for structured market access. Others like MUL-GNT, KIL-JPN, and VAV-MZD have active agreements, enhancing market security. However, MUL-GNT's agreement expired, posing risks to its marketing stability.

Predominantly, middlemen and local markets dominate the marketing channels. Clusters like KIL-JPN and VAV-DCL market their products through PUCs. Export-oriented clusters, such as JFN-TJC and VAV-PPA, emphasize partnerships with buyers like Jaffna Horticulture and CR Exports for international markets. Chili clusters appear as a prominent crop for clusters like JFN-DCL, MUL-DCL, and KIL-DCL, yet they rely heavily on middlemen due to limited buyer agreements. Several clusters (MUL-PMGT, KIL-PMGT, and VAV-TJC) reported no harvests as they are in the vegetative stage. it is highly recommended to prioritize formalizing draft agreements and renewing expired ones to secure market access and stabilize income and leverage existing partnerships (e.g., CR Exports, Serendib Global) to enhance export potential. It is highly encourage the formation of cooperative marketing structures or partnerships with supermarkets/exporters to reduce dependence on middlemen.

4.4.2 Exported Volumes of ATDPs

Cluster	Product	Exporters	Purchase Volume (kg)	Purchased price (Rs/Kg)	Export destination	# of shipments	Export Income US\$/year
JFN-SBNA	Ambul Banana	Anbujan	110.00	250.00	Switzerland	1	968.00
		Dole Lanka	1600.00	130.00	Dubai	1	14,080.00
		Fresh field Lanka	687.50	180.00	Dubai	1	6,050.00
JFN-TJC	TJC Mango	Jaffna horticulture	4856.00	450-500.00			24,280.00
VAV-PPA	Papaya	Serandip Global pvt	73.00*	80.00			365.00
		Cargills	3727.00*	45.00			18,635.00
		Nisal Vegetable Lanka	15111.00*	25.00			75,555.00
		CR Export	5152.00*	58.00			25,760.00

^{*}Exported by the company once purchased without an agreement

The table includes details on exporters, purchase volumes, purchased prices, export destinations, number of shipments, and annual export income. The major exporters of Ambul Banana include Anbujan, Dole Lanka, and Fresh Field Lanka, with significant volumes shipped to Switzerland and Dubai. Dole Lanka has the highest purchase volume at 1600 kg, reflecting a strong export presence in Dubai. Jaffna Horticulture is the sole exporter of TJC Mango, with a substantial purchase volume of 4856 kg and a variable purchased price range of 450-500 Rs/Kg, indicating a strong export potential. Multiple exporters are involved in papaya exports, with Nisal Vegetable Lanka leading in purchase volume at 15111 kg. The purchased prices vary, with the highest at 80 Rs/Kg by Serandip Global Pvt and the lowest at 25 Rs/Kg by Nisal Vegetable Lanka. This suggests a diverse market for papaya exports. The focus on key products like Ambul Banana, TJC Mango, and Papaya underscores the potential for growth in these sectors. Strengthening export agreements and exploring new markets could further enhance the profitability and sustainability of these agricultural clusters.

4.5 Status of PUC Establishment

Abbr.	Name of PUC	Registered Date	Number of farmers	Number of Shareholders	% of farmer shareholders	Share Capital Raised	Income of the PUC (Rs.) - as at 15 Nov 2024	Remarks
JFN-DCL	Yarl Agro Products Limited	N/A	166	N/A	N/A	N/A	N/A	PUC not registered
JFN-TJC	Jaffna Mango Queen Farmers Ltd	2023.03.21	402	54	13%	4,020,000.00	391,177.00	
JFN-PTRO	Ceylon Smart Potato Farmers Company Limited	2022.03.15	509	271	53%	25,450,000.00	Not available	
JFN-SBNA	Jaffna Organics Farmers Company Ltd	2023.03.15	588	296	50%	2,940,000.00	763,708.00	
MUL-GNT	Mullai Agribusiness Ltd	2023.02.01	550	368	67%	1,840,000.00	44,703,763.00	
MUL-PSNFT	Marutham Smart Agro Limited	2023.02.01	220	163	74%	815,000.00	3,200,000.00	
MUL-KBNA	Vanni Fresh Fruitz Farmers Company Ltd	2022.12.27	300	97	32%	600,000.00	437,500.00	
MUL-PMGT	Lankan red gems farmers company	2023.05.18	150	25	17%	250,000.00	375,000.00	
MUL-PPA	Golden Papaya Farmers Ltd	2023.07.17	350	220	63%	2,200,000.00	56,000.00	
MUL-DCL	Mullativu - Dry Chili	N/A	93					Merged with MUL- GNT
KIL-JPN	2K Agro Products Limited	2023.11.15	530	258	49%	1,350,000.00	12,005,215.18	
KIL-PSNFT	Mak Agro Products Limited	2023.12.10	200	125	63%	620,000.00	1,124,687.50	
KIL-DCL	Thayagam Agro Limited	2023.11.27	300	296	100%	1,485,000.00	8,068,079.00	
KIL-PMGT	Red angel agro limited	2024.03.14	150	78	52%	445,500.00	161,932.00	

VAV-DCL	Living Agro Producers Limited	2023.12.23	300	186	62%	1,580,000.00	2,204,950.00	
VAV-MZD	Ensured Seeds Economical Development Ltd	2023.10.26	400	330	83%	1,575,000.00	1,105,000.00	
VAV-TJC	Shakthi Agro Producers Limited	2023.11.23	200	173	87%	750,000.00	3,430,661.00	
VAV-PPA	Pasumai Agro Products Limited	2023.02.01	414	383	93%	2,774,461.27	10,365,329.00	
VAV-CSV	Vavuniya – Cassava	N/A	100			1		Planning to merge with VAV- PPA

Most PUCs have been registered in 2022–2024 while some PUCs, such as JFN-DCL and VAV-CSV, remain unregistered. Shareholder representation as a percentage of total farmers varies, with some PUCs like KIL-DCL achieving 100% participation, while others, like JFN-TJC and MUL-PMGT, remain below 20%. There is significant variation in share capital raised, with JFN-PTRO leading at Rs. 25,450,000.00, while PUCs like MUL-PMGT raised only Rs. 250,000.00. The income of PUCs varies dramatically, with MUL-GNT generating the highest revenue (Rs. 44,703,763.00) and others, such as MUL-PPA and MUL-KBNA, reporting modest incomes. 93% of farmers of VAV-PPA cluster, 87% of farmers of VAV-TJC cluster, and 83% farmers of VAV-MZD have obtained shares. JFN-PTRO cluster leads in capital raised, demonstrating strong farmer engagement in buying shares. PUCs like MUL-PMGT and MUL-KBNA have relatively low share capital. MUL-GNT cluster (Rs. 44,703,763.00) and VAV-PPA cluster (Rs. 10,365,329.00) show strong financial performance. PUCs like KIL-JPN and KIL-DCL are also demonstrating promising results. Clusters like MUL-PMGT and MUL-KBNA exhibit low incomes relative to their potential. PUCs such as KIL-PSNFT, KIL-DCL, and VAV-TJC have started to generate income, but long-term sustainability will depend on securing markets and increasing farmer participation. Some clusters like MUL-PPA and MUL-KBNA should focus on developing marketing strategies and securing buyer agreements as their generated income is low.

4.6 Training and Capacity Building of Beneficiaries

Cluster	GAP		FPO/ Tech	nical Training	PUC	training		FBS Training*			
	# of Trainings	# of Beneficiaries	# of Trainings	# of Beneficiaries	# of Trainings	# of Beneficiaries	# of sessions	# of Beneficiaries	% of participation		
JFN-DCL							nil				
JFN-TJC			3	65	1	18	36	154	56%		
JFN-PTRO			1				132	500	64%		
JFN-SBNA			3	51			93	500	49%		
MUL-GNT					4	126	nil				
MUL-PSNFT			1	23	2	49	nil				
MUL-KBNA	1	34	2	54	2	41	48	260	56%		
MUL-PMGT			2	38	2	31	36	150	50%		
MUL-PPA	1	28	2	52	2	46	60	200	83%		
MUL-DCL					Conducted with MUL- GNT		nil				
KIL-JPN			15	530	OIII		81	530	34%		
KIL-PSNFT			10	200			50	200	49%		
KIL-DCL			10	140			37	210	35%		
KIL-PMGT			10	100			19	72	52%		
VAV-DCL			-				68	300	55%		
VAV-MZD			4		4	46	57	300	40%		
VAV-TJC			5	534	6	172	36	158	80%		
VAV-PPA	3		3	111	-		30	259	26%		
VAV-CSV			4	185			nil				

Training programs like GAP (Good Agricultural Practices), FPO/Technical, PUC, and FBS have been conducted across several clusters, but participation rates vary significantly. Some clusters, such as JFN-DCL, have no recorded training activities. Limited GAP training has been conducted, with only a few clusters participating (MUL-KBNA, MUL-PPA, and VAV-PPA). The number of beneficiaries per training was relatively low, ranging from 28 to 34 participants. Clusters like JFN-TJC, JFN-SBNA, and KIL-JPN showed higher participation in FPO/Technical training, with KIL-JPN conducting 15 sessions benefitting 530 individuals. Other clusters such as JFN-PTRO, VAV-MZD, and VAV-CSV had limited or no FPO/Technical sessions. Participation in PUC training is inconsistent, with clusters such as JFN-PTRO, MUL-DCL, and KIL-PMGT not reporting any sessions. Clusters like VAV-TJC and VAV-PPA demonstrated higher participation, with 534 and 111 beneficiaries, respectively. FBS training had relatively broad coverage, with notable participation in clusters such as MUL-KBNA (260 beneficiaries) and JFN-PTRO (500 beneficiaries). Participation rates varied significantly, with clusters like MUL-PPA achieving 83%, while others, such as VAV-PPA and KIL-PMGT, had low rates (26% and 35%, respectively). No training programs were conducted in JFN-DCL. Farmers in JFN-TJC cluster have participated in all types of training, achieving moderate participation in FBS training (56%). Four PUC training sessions have been conducted in MUL-GNT cluster benefitting 126 participants but lacked participation in other training types.

4.7 Sustainability Initiatives

	Vavuniya - Chili	15 kW Solar PV system - installed & connected with nation grid					
	Vavuniya - Hybrid Maize Seed	13 kW 30iai FV System - installed & conflected with flation grid					
Installation of rooftop solar PV system	Vavuniya - Mango	10 kW Solar PV system - pending installation					
Installation of foottop solar PV system	Kilinochchi - Passion Fruit	7 kW Solar PV system - installed & connected with nation grid					
	Kilinochchi - Chili & JPN	15 kW Solar PV system - pending installation					
	Jaffna - Potato	15 kW Solar PV system - installed & connected with nation grid					
Harnessing solar thermal energy - Solar	Vavuniya - Hybrid Maize Seed	15 tons maize cobs drying solar tunnel dryer - completed &					
tunnel dryer	vavailiya - Hybrid Waize Seed	functioning.					
	Vavuniya - Chili						
	Vavuniya - Hybrid Maize Seed						
Compost making	Kilinochchi - JPN	Machineries were provided.					
Compost making	Mullaitivu - Papaya	Machineries were provided.					
	Jaffna - Potato & Onion						
	Jaffna - Mango & Banana						
Cold Rooms	Kilinochchi - JPN	15 tons cold storing capacity was provided.					

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The installation of solar PV systems, solar thermal energy systems, and the provision of compost-making machinery and cold storage solutions will significantly contribute to improving the sustainability and productivity of agricultural activities in various regions. The ongoing and pending installations will further strengthen the capacity of local farmers to use renewable energy and enhance farm operations.

CHAPTER 05: CONCLUDING REMARKS

- Over 60% of financial progress has been achieved across four clusters (JFN-PTRO, MUL-GNT, KIL-PSNFT, VAV-MZD) for the construction of processing centers in the Northern Province.
- The financial progress regarding road construction is commendable, exceeding 90%.
- The financial progress in constructing irrigation infrastructure exceeds 80%.
- Most of the infrastructure projects in Mullaitivu have been completed and are now fully operational.
- Delays have been observed in the renovation, rehabilitation, and construction of new buildings.
- However, rate of completion of infrastructure development is satisfactory
- With the exception of a few clusters, all others are performing satisfactorily. Most of their produce is sold through middlemen. Many PUCs have struggled to establish satisfactory linkages with buyers or reputable companies. Only a few companies purchase their products for export purposes without an agreement.
- Almost all the PUCs have completed their registration. Members have purchased shares, with ownership ranging from 16% to 100%.
- Participation of beneficiaries in training programs is not satisfactory in many clusters.
- Implementing sustainable agricultural practices involves several key strategies. Firstly, minimizing the usage of agrochemicals such as weedicides, pesticides, and insecticides helps protect the environment and ensure healthier crops. With the given technology and training, farmers have adopted these sustainable initiatives. Achieving high productivity per acre while avoiding excess fertilizer usage not only maintains soil health but also reduces the risk of pollution. Consequently, farmers have been made aware of the necessity to test their soil for nutrient availability, ensuring that only the required amount of fertilizer is applied. Efficient water management practices are essential, ensuring minimal water waste. This has been achieved through the provision of new irrigation technologies such as drip and sprinkler systems. Promoting composting and its application enriches the soil naturally, enhancing its fertility. Farmers have been encouraged to apply compost as needed to their farmland. Integrated Pest Management (IPM) techniques have been utilized extensively to control pests in an eco-friendly manner. Solar was also harnessed to provide a renewable and clean power source, further supporting the sustainability of agricultural operations. These combined efforts contribute to a more sustainable and productive farming system in ASMP.
- Overall, In conclusion, the allocation of funds for infrastructure development across the districts of Mullaitivu, Kilinochchi, and Vavuniya demonstrates a strategic focus on enhancing agricultural productivity, market access, and water management. Irrigation infrastructure, accounting for 45% of the total investment, highlights its critical role in ensuring sustainable agriculture and addressing water security challenges. Processing centers, representing 29% of the allocation, emphasize the importance of value addition and post-harvest processing capabilities, while road infrastructure (26%) plays a key role in improving transportation and market connectivity. The majority of investments have been directed toward Mullaitivu, reflecting the district's higher socio-economic needs and its potential for agricultural development. Vavuniya has also received substantial investment, while Kilinochchi's relatively lower expenditure. Financial progress varies significantly across clusters. While many clusters

have efficiently utilized their funds, others display discrepancies between awarded and actual expenditures. This indicates delays in contractor claims, with pending funds expected to be settled by December 31, 2024. Significant advancements have been made in processing centers and irrigation infrastructure, with several clusters already operational and others nearing completion. The rehabilitation of irrigation pumps and new building constructions in various clusters are on track to enhance functionality and capacity. The emphasis on highvalue crops such as mango, chili, and papaya across these four districts or north province underscores a targeted approach to enhance agricultural productivity and market readiness. The significant investments in these clusters aim to boost yields, improve quality, and ensure sustainable farming practices. Middlemen and local markets predominantly dominate the marketing channels. Export-oriented clusters emphasize partnerships with buyers like Jaffna Horticulture and CR Exports for international markets. It is highly recommended to prioritize formalizing draft agreements and renewing expired ones to secure market access and stabilize income. Leveraging existing partnerships (e.g., CR Exports, Serendib Global) can enhance export potential. Strengthening export agreements and exploring new markets will enhance the profitability and sustainability of these agricultural clusters. Most PUCs have been registered. Shareholder representation varies widely from below 20% to 100%. Participation rates in training programs vary significantly. It is highly recommended to prioritize formalizing draft agreements and renewing expired ones to secure market access and stabilize income.

Annex 1: Infrastructure Details

Provin			Type of Infrastructure	Direct Beneficiaries		Proposed			Actual		Estimated	Awarded	Actual			
ce	District	Cluster			Location	Start Date	Completion Date	Start date	Completion Date	Construct ion Stage	Value (with Tax)	Value (with Tax)	Value (with Tax)	Deviations	Remarks	
		Dry Chili	Processing centre - Building renovation (Agrarian Service Department)	300	Palamoddai	18-Sep- 23	18-Jan-24	18-Sep- 23		Complete d	31,395,000.00	27,878,061. 78	11,594,942. 13	Fixing Aluminum sheet, Fixing steel truss and Aluminium grill work	15 kW rooftop Solar PV sysetm - installed & connect ed with national grid	
NP	Vavuniy a	Hybrid Maize Seed	Processing centre - Building renovation (Agrarian Service Department)	400	Nelukkulam	18-Sep- 23	18-Dec-23	18-Sep- 23	06-Aug-24	complete d	21,919,000	20,628,312. 62	18,861,490. 06	Special upper class timber, installing ceiling system, Ledder using boxbar, Electrical work, Fencing work and Floor concrete	15 kW rooftop Solar PV sysetm - installed & connect ed with national grid	
					Processing Centre - Construction of Polytunnel Dryer	400	Nelukkulam	11-Sep- 23	11-Dec-23	11-Sep- 23	16-Jan-24	complete d	21,045,000	16,832,406. 25	17,802,893. 77	Supply and Installation of Powder coated Aluminium Racks and polycarbo nate wall
			Irrigation - Solar Irrigation establishments - 48 nos	148	Entire cluster area	07-Nov- 23		07-Nov- 23	01-Nov-24	Functioni ng		70,214,400. 00	70,214,400. 00	No deviations		
		TJC Mango	Processing centre - Building renovation (Mahaweli Authority)	300	Welioya	22-Jul- 24	19-Nov-24	03-Sep- 24	30-Dec-24	On going	32,096,000	27,187,677. 12	3,000,000			

			Irrigation - Solar Irrigation establishments - 40 nos	125	Welioya	07-Nov- 23		07-Nov- 23	30-Nov-24	On - going		58,512,000. 00	58,512,000		
		24	Processing centre - Building construction.	600	Kandavalai	25-Jun- 24	27-Dec-24	25-Jun- 24	27-Dec-24	On going	81,420,000	57,507,029. 57	24,050,973. 84	Casting 125mm concrete Block, Block masonry work	21% financial Progress ion
		JPN	Processing centre - Building construction.	230	Karachchi	22-Jan- 24	21-May-24	11-Mar- 24	30-Dec-24	On going	34,338,000	25,285,758. 99	10,333,424. 91	Plastering, Carpentary , Painting, Doors, Windows, Plumbing, Drainage, Electrical, Partitionin g	41% financial progress ion
	noch hi	Pomegranate	Common Processing centre (Pomegranate & Jaffna district dry chili) - New Building construction.	150	Pachchilaipalli	22-Jul- 24	19-Nov-24	14-Aug- 24	31-Dec-24	On going	34,456,000	28,910,000. 00	7,490,117.4 8	Barbed wire fence, Steel sheet fixing to fence, Site office for Engineer, Cutting trees & 125 mm Concrete block work	Common Processi ng Centre with Chilli cluster - Jaffna. 26% financial progress
	ł	Passion Fruit	Processing centre - New Building construction.	200	Akkarayankulam					Complete d		21,689,000. 00	27,114,564. 14		5 kW rooftop Solar PV sysetm - installed & connect ed with national grid
Jaf	fna	Mango	Road - Rehabilitation of Padithamakalir Road (1.5 km) at Mirusuvil North in Jaffna District	53	Mirusuvil North	27-Dec- 23	25-Apr-24	27-Dec- 23	17-May-24	Functioni ng	30,705,000	21,528,000. 00	19,942,308. 71		

			Road - Rehabilitation of Vidaththalpalai kilali Connecting Road	102	Vidaththalpalai	04-Oct- 18	04-Apr-19	04-Oct- 18	28-Feb-20	Functioni ng	23,000,000	19,550,000. 00	19,424,327. 97	Additional length was constructe d.	
			Road - Rehabilitation of Field Access Road at Ketpely Jaffna	102	Ketpely	24-May- 19	25-Nov-19	21-May- 19	25-Nov-19	Complete d	32,621,400	32,235,572. 55	34,590,113. 67		
		Banana	Processing Centre - Renovation of Banana Collecion and Processing Centre	588		20-Sep- 23	18-Jan-24	20-Sep- 23	30-Nov-24	On - going	106,030,000	77,109,916. 02	48,071,506. 57		45% financial progress ion
		Chili	Construction of 4 nos Protected Net Houses in Jaffna District	4		19-Jul- 19	18-Oct-19	14-Nov- 19	03-Sep-20	Complete d	1,775,520	2,180,000.0 0			
		Potato & Onion	Processing Centre - Renovation of Potato & Onion Collection and Processing Centre in Jaffna Distric	562		04-Dec- 23	03-Mar-24	04-Dec- 23	27-Jun-24	Complete d	22,310,000	20,288,218. 01	13,690,952. 42	Plastering of External wall and column, Demolition of boundary wall, Constructi on of boundary wall and Sill beam constructi on	67% finnacial Progress . 15 kW rooftop Solar PV sysetm - installed & connect ed with national grid
			Road - Rehabilitation of Mylankadu east Ghanaviravar Veethy - 220 m	38	Mylankadu east	27-Nov- 23	19-Feb-24	27-Nov- 23	06-Feb-24	Complete d	2,980,800	3,395,880.0 0	3,473,322.6 8		
		Potato	Road - Rehabilitation of Nawatgiri GN Division with an ABC paved carriage way in Potato Cluste	54	Kathirana	23-Aug- 23	22-Dec-23	23-Aug- 23	16-Dec-23	Complete d	15,295,000	11,166,666. 06	10,731,364. 68	Existing palmyrah trees remove with uprooting, Rock excavation	96% financial Progress
	Mullaiti vu	Banana	Processing Centre - Rehabilitation of Existing Building	160		22-Jan- 24	21-May-24	22-Jan- 24	30-Nov-24	On - going		26,705,055. 36	15,209,821. 10	Rubble works and Tube well constructi	Original location was changed

		as the Cluster Processing Centre of Kolikuttu Banana											on, building renovation , roof sheets, Fencing	
	Papaya	Processing Centre - Rehabilitation of Existing Building at Palampasi as the Cluster Processing Centre of Papaya	950	Palampaasi	05-Apr- 24	05-Sep-24	05-Apr- 24	30-Nov-24	Complete d	33,748,000	35,922,288. 89	18,711,470. 23	Demolition work, Boundary wall, Electrical repairing, Al Door and window work, Machinery moving and Skirting removal	Common Processi ng Centre with Papaya cluser - Vavuniya
		Irrigation - Solar Irrigation establishments - 33 nos	102	Vavuniya (31 nos.) & Mullaitivu (2 nos.)	07-Nov- 23		07-Nov- 23	30-Nov-24	On - going		48,272,400. 00	48,272,400. 00		
	Chili	Irrigation Channel - Supplying and pipe laying at Poovarassankula m, Vavunikulam in mullativu District		Poovarassankula m, Vavunikulam	02-Mar- 19	02-Sep-19	02-Mar- 19	03-Oct-19	Complete d	40,984,704	36,713,759. 22	34,034,406. 36		
		Irrigation - Pump House - Construction of Pump house and instllation of 2 Nos Pump at Poovarasankulam		Poovarassankula m	21-Feb- 19	21-Aug-19	21-Feb- 19	23-Oct-20	Functioni ng	13,500,000	12,435,444. 89	13,609,747. 49		
		Roads - Rehabilitation of Field Access - LB bund Road-15km, Vavunikulam		Vavunikulam	21-Feb- 19	21-Aug-19	21-Feb- 19	25-Sep-20	Functioni ng	16,524,000	15,755,896. 59	15,674,133. 36		
	Pomegranate	Processing Centre - Construction of Pomegranate Processing	150	Kokilai	01-Apr- 24	31-Jul-24	18-Apr- 24	30-Dec-24	On - going	31,270,000	30,388,667. 90	7,017,401.8	Block casting and block masonryw ork	23% financial progress

	Centre at Kokilai in Mullaitivu District - Renovation											
	Road - Rehabilitation of Kumulamunai Telecom Road in Mullaitivu Distric	150	Kumulamunai	30-Oct- 23	27-Feb-24	30-Oct- 23	27-May-24	Functioni ng	29,500,000	28,276,471. 63	26,025,958. 45	92% financial progress
Ground Nut	Processing Centre - Construction of Ground Nut Processing Centre Oddusudan at Muththvinayagap uram in Mullaitivu	550	Muththvinayagap uram	24-May- 19	23-Nov-19		18-Feb-21	Functioni ng	14,688,000	14,040,000. 00	14,903,750. 48	
	Irrigation Canal - Reconstruction of Concrete Canal lining (1km) and Canal Structures at RB/Track 3/DC2/FC13- Katchilaimadu in Muthiyankaddu Division in Mullaitivu District		Katchilaimadu	24-May- 19	23-Nov-19		20-Nov-20	Functioni ng	12,960,000	11,822,240. 24	7,676,511.9 2	
Ground Nut & Chili	Irrigation Canal - Supplying & Laying of PVC pipes and Construction of pipe lining structures at LB Canal - ID farm lift Irrigation in Muthiyankaddu Division		LB Canal - ID farm	21-Aug- 19	21-Jan-19	27-Aug- 18	26-Aug-19	Functioni ng	9,742,541.76	9,742,541.7 6	9,742,386.1 4	
	Irrigation Canal - Rehabilitation of Concrete canal lining and canal structures at RB track-3 DC-2 Katchilaimadu, Muthiyankaddu, Mullaitivu District		Katchilaimadu	24-May- 19	25-Nov-19	18-Nov- 19		Functioni ng	30,240,000	30,648,555. 59	27,301,728. 39	

Irrigation Canal -										
Construction of										
canal lining &										
Canal structures		24 5-6		10 No.		F attack				
2.5km at LB	Mannakandal	21-Feb-	21-Aug-19	18-Nov-		Functioni	42 405 600	12,777,123.	11,445,053.	
Canal,		19		19		ng	13,495,680	60	28	
Mannakandal in										
Muthiyankaddu,										
Mullaitivu District										
Irrigation Canal -										
Reconstruction of										
Concrete canal										
lining at RB Canal	RB Canal Peraru	04-Oct-	04-Apr-19	18-Nov-	21-May-20	Functioni		20,845,680.	19,929,765.	
Peraru in	ND Callal Felalu	18	04-Api-19	19	21-1VIAY-20	ng	21,949,920	35	19,929,703.	
Muthiyankaddu								33	19	
Division in										
Mullaitivu District										
Irrigation Canal -										Extension
Reconstruction of										of
concrete canal										rehabilitati
lining 1.5km and		24-May-		18-Nov-		Functioni				on of road
canal structures	Katsilaimadu	19	23-Nov-19	19	18-Sep-20	ng	17,280,000	16,912,795.	17,976,508.	length up
at RB/track							,,	96	19	to 1.3km
3/DC1-										intead of
Katsilaimadu in										300m
Muthiyankaddu										
Irrigation -										
Pumphouse - Repairing of 2Nos										
of Pump houses										
and Supplying &										
fixing of Pump,										
one at RB Canal -	Ganeshapuram	21-Aug-	21-Jan-19	27-Aug-	30-Apr-19	Functioni		8,642,795.0	7.971.662.1	
Pump 8	Sanconaparan	18	22 0011 13	18	20 / Pi 13	ng	8,642,795.04	4	7	
Ganeshapuram										
Muthiyuankaddu										
other one at LB										
Canal-ID Farm in										
Muthiyankaddu										
Irrigation Pumps										
- Rehabilitation						On -			22 267 740	
of lift irrigation								48,553,290.	33,267,740. 30	
pumps in (Pump						going		00	30	
No 4&5)										
Irrigation Pumps										
- Rehabilitation						On -			36,740,787.	
of lift irrigation						going		49,757,948.	30,740,787.	
pumps in (Pump						Bomb		10		
No 6&7)										

Road -										
Reconstruction Canal Over Crossing cum Bridge at RB/Track 3 Muthiyankaddu Division in Mullaitivu Distric	Muthiyankaddu	04-Oct- 18	04-Apr-19		25-May-20	Functioni ng	10,973,880	10,072,282. 72	9,941,083.3 7	
Road - Reconstruction Canal road 0.5km and Road structures at RB/Track 3 Muthiyankaddu Division in Mullaitivu District	Muthiyankaddu	04-Oct- 18	04-Apr-19		31-May-20	Functioni ng	11,518,576	11,430,897. 08	11,965,288. 72	
Road - Rehabilitation of canal road and road structures 1.5km at LB Canal-ID farm, Muthiyankaddu in Mullaitivu Distric	LB Canal-ID farm	02-Jan- 19	02-Jul-19		28-Jan-20	Functioni ng	17,815,680	16,149,472. 25	13,597,238. 08	
Road - Rehabilitation of canal road & road structures 2km RB canal - Pump 8, Ganeshapuram Muthiyankaddu Division, Mullaitivu	Ganeshapuram	21-Feb- 19	02-Jul-19	18-Nov- 19	28-Sep-19	Functioni ng	17,815,680	17,394,130. 75	17,483,294. 54	
Road - Construction of canal road 1.5km & Road structures at LB/Track 1 in Muthiyankaddu Division, Mullaitivu District	LB/Track 1	02-Jan- 19	02-Jul-19	18-Nov- 19	18-Sep-20	Functioni ng	17,815,680.00	17,173,167. 48	13,789,624. 10	
Road - Rehabilitation of concrete canal road 2.5km & Road Structures	RB Canal Peraru	28-Jan- 19	28-Jul-19	18-Nov- 19	27-May-20	Functioni ng	29,695,680	29,803,037. 40	27,872,220. 95	Narratio n was correcte d

at RB Canal - Peraru										
Road - Rehabilitation of concrete canal road & road structures 1.5km at RB Canal - Pump 8 - Ganesapuram Muttaiyankaddu	Ganeshapuram	21-Aug- 18	21-Jan-19	27-Aug- 18	30-Apr-19	Functioni ng	8,780,384.02	9,136,632.0 0	9,135,970.7 9	
Processing Centre - construction of Groundnut and Dried Chili Stores and Machinery Parking for Oddusudan Groundnut producer society, Muttaiyankaddu	Muttaiyankaddu					On- going		20,635,860. 00	13,859,976. 54	

Annex 2: ATDP Farmer Inputs

Province	District	Cluster Name	Items	Targeted units	Units distributed / Present Status July 202
)	Vavuniya	VAV-PPA	Papaya Seedlings	16,000 nos	16,000 nos
			Insect-Proof Nets	10,000 nos	10,000 nos
			GI Pipes	2000 nos	2000 nos
			Water Pumps	50 nos	50 nos
			Sprinkler Jet Irrigation Systems	50 nos	50 nos
			Plastic Crates	500 nos	
					500 nos
			Cowpea Seeds (kg)	80 nos	80 nos
			Cement Bags	200 nos	200 nos
			Inter-Cultivators	2 nos	2 nos
			Hybrid Chilli (MICH-HY1) Seeds		
		VAV-MZD	Seeds		900 kg
					92 kg of Fertilizer Package (Urea - 30 kg/ac
			Fertilizer		TSP - 40 kg/ac; MoP - 20 kg/ac)
			Sprinkler Jet Irrigation Systems		150
			Electric Water Pumps		150
		VAV-CSV	Water Pumps	100 nos	99 nos
			Spray Jet Irrigation Systems	100 nos	99 nos
			Wheel Barrow	100 nos	99 nos
			Disk Plough	1 no	1 nos
					± 11U3
			Stem Cutters	10 nos	
			Ridgers	4 nos	2 nos
			Small Scale Planting Machine	1 no	
			Machines for Uprooting Tuber	3 nos	
			Tyne Tillers	3 nos	
			Cassava Chip Making Mahines	3 nos	
			Shade Shooter		1 no
				1 no	1 no
			Inter-Cultivators	2 nos	2 nos
		VAV-DCL	Hybrid Chilli (MICH-HY1) Seeds	24,000 g	24,000 g
			Groundnut Seeds	6000 kg	6,000 kg
			Plastic 100-Holes Nursery Trays	21,000 nos	21,000 nos
			Wheel Burrows	5 nos	
			Compost Mixing Machines	2 nos	
			·		
			Bed Machines	2 nos	
			Chilli Grinding Machines	2 nos	
			Portable Bag Closers	2 nos	
			Manual Pallet Trucks	2 nos	
			Dryers	2 nos	
			Chilli Powder Packaging Machines	2 nos	
			Disc Ploughs	2 nos	
			Mixing/Digging Shovels	10 nos	
			Platform Type Electronic Weighing		
			Machines	2 nos	
			Plastic Pallets	30 nos	
			Multi-Chopping Machines	2 nos	
			Disc Harrows	2 nos	
			Packaging Machines	2 nos	
			Compost Shieving Machines	2 nos	
			Pitch Forks	10 nos	
			Compost Digester	1 nos	
			Weighing Machines	2 nos	
			Electric Water Pumps	300 nos	300 nos
			Insect-Proof Nets	60,000 m	60,000 m
			GI Pipes	5,700 nos	5,700 nos
			· ·		
			Poly Mulch	480,000 m	480,000 m
			Drip Tape Irrigation Systems	300 nos	300 nos
			Insect-Proof Fixing Profile	21,600 m	21,600 m
			Fertilizer		276 Nos of 50kg Urea Bags,190 Nos of 50 TSP Bags,170 Nos of 50kg bags
				2	
			Tractors & Trailers	2 nos	1 no
		Í	Tumer Machines	2 nos	
			Elephant Fence	10 km	

1				
		Groundnut Seeds (kg)	2,000 nos	2,000 nos
		GI Pipes	11,000 nos	11,000 nos
		Water Pumps	100 nos	100 nos
		Iron Wires	4,500 kg	4,500 kg
		Secateurs	100 nos	100 nos
		Drip Irrigation Systems	100 nos	100 nos
		Plastic Crates	100 nos	100 nos
		Intercultivars	4 nos	4 nos
		Seedlings (Horana Gold)		8,000 nos
		Electric Water Pumps	200 nos	100 nos
		Drip Tape Irrigation Systems	200 nos	100 nos
		Liquid Tricoderma Culture		50 L
		GI Pipes		11,000 nos
		GI Wires		
		GI WIFES		4,500 kg
		For ATP 1 and		Urea - 2,500 kg, TSP - 2,500 kg & MoP - 2,500
		Fertilizers		kg
	KIL-JPN	Jumbo Peanut Seeds	1,000 kg	580 kg
		Four Wheel Tractor	1 no	
		Ridger	2 nos	
		Gravity Separator	1 no	
		Harvesting Machine	1 no	
		Inter-Cultivator	2 nos	2 nos
			30 nos	30 nos
		Sprinkkler Irrigation Systems	1	
		Water Pumps	30 nos	30 nos
		Gypsum Fertilizer	400 kg	400 kg
		Jumbo Peanut Seeds		1,348 kg
				1,100 kg of Urea, 1,100 kg of MoP, & 572 kg
		Fertilizer		of MoP
		Sprinkler Irrigation Systems	500 nos	300 nos
		Bagging Machine		
		4-Wheel Tractor	1 no	
			1110	
		Seeder cum Fertigator		
		Groundnut Thresher		
		Ridger	2 nos	
		Gypsum Fertilizer	2,000 kg	25 kg
	KIL-DCL	Hybrid Chilli (MICH-HY1) Seeds	24,000 g	11,120 g
	KIL-DCL	•		
	KIL-DCL	Plastic 100-Holes Nursery Trays	21,000 nos	21,000 nos
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems	21,000 nos 300 nos	21,000 nos 300 nos
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps	21,000 nos 300 nos 300 nos	21,000 nos 300 nos 300 nos
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets	21,000 nos 300 nos 300 nos 60,000 m	21,000 nos 300 nos 300 nos 60,000 m
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos
	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg)	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine)	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine)	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos
Jaffna	KIL-DCL	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos
Jaffna		Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos
Jaffna	Mango	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators	21,000 nos 300 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 5 nos
Jaffna	Mango Production	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 400 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos
Jaffna	Mango Production Cluster (200	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs	21,000 nos 300 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos
Jaffna	Mango Production	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 400 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos
Jaffna	Mango Production Cluster (200 Farmers)	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs	21,000 nos 300 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos
Jaffna	Mango Production Cluster (200 Farmers)	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs	21,000 nos 300 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos
Jaffna	Mango Production Cluster (200 Farmers) Off-Season Green Chilli	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs Pruning Saw	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos
Jaffna	Mango Production Cluster (200 Farmers) Off-Season Green Chilli Production	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs Pruning Saw Drip Irrigation Systems Polythene Mulch	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 400 nos 200 nos 4 nos 4 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 4 nos 4 nos
Jaffna	Mango Production Cluster (200 Farmers) Off-Season Green Chilli Production Demonstration	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs Pruning Saw Drip Irrigation Systems	21,000 nos 300 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 400 nos 200 nos 200 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos
Jaffna	Mango Production Cluster (200 Farmers) Off-Season Green Chilli Production Demonstration Cluster (8	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs Pruning Saw Drip Irrigation Systems Polythene Mulch Insect-Proof Nets	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 400 nos 200 nos 200 nos 4 nos 4 nos 4 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 4 nos 4 nos 4 nos
Jaffna	Mango Production Cluster (200 Farmers) Off-Season Green Chilli Production Demonstration	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs Pruning Saw Drip Irrigation Systems Polythene Mulch	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 400 nos 200 nos 4 nos 4 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 4 nos 4 nos
Jaffna	Mango Production Cluster (200 Farmers) Off-Season Green Chilli Production Demonstration Cluster (8	Plastic 100-Holes Nursery Trays Trip Tape Irrigation Systems Electric Water Pumps Insect-Proof Nets GI Pipes Poly Mulch Insect-Proof Fixing Profile Mango Grafted Plants Groundnut Seeds (kg) Sprinkler Irrigation Systems Water Pumps (Engine) Water Pumps (Electric) Ladders Chain Saw Pruning Scissors Safety Belts Inter-Cultivators Plastic Crates Secateurs Pruning Saw Drip Irrigation Systems Polythene Mulch Insect-Proof Nets	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 m 17,190 nos 4,000 kg 200 nos 3 nos 200 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 400 nos 200 nos 200 nos 4 nos 4 nos 4 nos	21,000 nos 300 nos 300 nos 60,000 m 5,700 nos 480,000 m 21,600 nos 14,870 nos 3,510 kg 180 nos 0 150 nos 5 nos 5 nos 5 nos 5 nos 5 nos 200 nos 200 nos 4 nos 4 nos 4 nos

			Seeds - Seed Potato (Variety Sassy)	186,600 kg	156,400 kg
			Polythene Mulch Film	500 nos	233 nos
			Drip Tape Irrigation Systems with		
			Fertigation Units	500 nos	500 nos
			Seeds - Red Onion (Variety COON-05)	100 kg	500 kg
			Provision of Tractors and Trailers	2 nos	2 nos
			Provision of Disc Ploughs	2 nos	1 no
			Provision of Disc Harrows	2 nos	0
			Provision of Yellow Sticky Traps	10,000 nos	10,000 nos
			Provision of Bedmakers	2 nos	0
		Potato/ Red	Provision of Drip Irrigation Systems	100 nos	0
		Onion Production	Provision of Electric Water Pumps	100 nos	0
		Cluster (500	Automation for Irrigation Systems	100 nos	0
		Farmers)	Fertilizers (Urea, TSP, & MoP)		Urea - 5,496 kg, TSP - 6,412 kg,
					3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3
			Banana Suckers		430 nos
			Provision of Poly-Bags	25,000 nos	10,000
			Provision of Electric Water Pumps	50 nos	0
			Provision of Micro Sprinkler Irrigation	30 1103	
			Systems	50 nos	0
			Provision of Drip Irrigation Systems	50 nos	0
			Automation for Irrigation Systems	10 nos	0
			Provision of Hybrid Chilli Seeds	2 kg	0
			Provision of Plastic 100 Holes-		
			Nursery Trays	2,500 nos	0
			Provision of Plastic Crates	500 nos	0
			Installation & Commissioning of		
			Compost Sieving Machine	1 no	0
			Provision of Banana Tree Shredding	4	
			Machine Provision of Platform Type Electronic	1 no	0
			Weighing Balances	4 nos	0
			Provision of Wheelbarrows	5 nos	0
			Provision of Red Lasoda Seed Potato	61,200 kg	0
			Provision of Tractor and Trailer	1 no	0
			Provision of Weighing Machines	2 nos	0
			Installation & Commissioning of Low-	21103	
			Pressure Mini Sprinkler Irrigation		
			Systems	50 nos	0
			Provision of Compost Mixing		
			Machines	1 no	0
			Installation & Commissioning of Compost Digester	1 no	0
			Provision of Mixing/Digging Shovels	5 nos	0
			Installation & Commissioning of Solar	3 1103	
			Powered Water Pumps	15 nos	0
			Provision of Adjustable 20 Feet-		
			Aluminum Ladders	1,000 nos	750 nos
			Provision of Pitch Forks	5 nos	0
		Organic Small	Provision of Plastic Pallets	25 nos	0
		Banana/ Dried Chilli Production	Provision of Manual Pallet Trucks	4 nos	0
		Cluster (700	Provision of Portable Bag Closers	2 nos	0
		Farmers)	Al Ladders		
			Provision of Electric Water Pumps	200 nos	0
			Provision of Micro Sprinkler Irrigation		
			Systems	200 nos	174 nos
			Provision of Drip Irrigation Systems	200 nos	174 nos
			Provision of Secateurs	200 nos	174 nos
			Provision of Hybrid Chilli Seeds	10 kg	2kg
		Mango/ Dried	Provision of Plastic 100 Holes-	10.000	
		Chilli Production	Nursery Trays Provision of Tom EIC Grafted Mange	10,000 nos	0
		Cluster (500 Farmers)	Provision of Tom-EJC Grafted Mango Plants	66,250 nos	48,720 nos
				20,200 1100	
	Mullaitivu		Sprinkler Systems	200 nos	200
		Groundnut	Electric Water Pumps	200 nos	200
		Production	Gypsum Fertilizer	800 kg	800 kg
<u> </u>	I	, 	, , r 2,	, ·· ·	

Cluster (200			
Cluster (200 Farmers)	Groundnut Seeder	1 no	1 no
railleis)	Groundnut Thresher	2 nos	2 nos
	Gravity Separator	1 no	1 no
	Intercultivar	35 nos	35 nos
	Seeder/Fertilizer Applicator	1 no	1 no
	Decorticator	2 nos	2 nos
	Sprinkler Systems	100	100
	'	100	100
	Water Pumps (Engine)		
Groundnut	Gypsum Fertilizer	5,000 kg	5,000 kg
Production	Groundnut Seeds	4,000 kg	4,000 kg
Cluster (100	Threshers	2 nos	2 nos
Farmers)	4W-Tractor	1 no	1 no
	Passionfruit Seedlings	11,000 nos	11,000 nos
	Groundnut Seeds (kg)	2000kg	2000kg
	Drip Irrigation Systems	50 nos	50 nos
	Water Pumps	50 nos	50 nos
	'		
	GI Pipes	5,500 nos	5,500 nos
	Iron Wires	2,250 kg	2,250 kg
	Plastic Crates	50 nos	50 nos
	Secateurs	50 nos	50 nos
	Tractor	1 no	1 no
	Thresher	1 no	1 no
Passionfruit	Ridger	1 no	1 no
Production	Groundnut seeder	2 no	2 no
Cluster (50 Farmers)	Inter cultivator	2 no	2 no
raimers)	inter cultivator	2110	2 110
	Drip Irrigation Systems	300 nos	125 nos
	Chilli Seeds	20 kg	5 kg
	Chilli Seeds	6.5 kg	6.5 kg
	Nursery Trays	21,000 nos	19,250 nos
	Coco Pallets		
	Poly Mulch	200 Rolls	125 nos
	Insect-Proof Nets	10000	25,000 m
	Profiles	1332	1332
		1552	1552
Dried Chilli	Water Pumps		
Production	Drip Irrigation Systems		
Cluster (300	GI Pipes	2,000 nos	2375
Farmers)	Electric Dryer	1	1
	Provision of Micro Sprinkler Irrigation	150 nos	42 nos
	Systems		
	Provision of Drip Irrigation Systems	150 nos	69 nos
	Provision of Bagwan Pomegranate	64,500 nos	29,240
	Layered Plants (Scale-Up)		
	Provision of Plastic 100 Holes-	7,500 nos	1,500 nos
	Nursery Trays		
	Provision of Hybrid Chilli Seeds	6 kg	1.08kg
	Provision of Electric Water Pumps	120 nos	3 nos
	Provision of Kerosene Water Pumps	30 nos	0
	Provision of Phosphoric Acid (H3PO4)	300 L	8 L
	Provision of Secateurs	100 nos	63 nos
		10 nos	0
	Automation for Irrigation Systems	100,000 nos	1000
	Provision of Fruit Cover Bags		1000
Danis and start		Urea - 53 nos of	
Pomegranate/ Dried Chilli		50 kg-Bags, TSP - 32 nos of 50	
Production		kg-Bags, & MoP	
Cluster (150		- 94 nos of 50	Urea - 20 nos of 50 kg-Bags, TSP - 16.5 nos of
Farmers)	Fertilizers (Urea, TSP, & MoP)	kg-Bags	50 kg-Bags, & MoP - 30 nos of 50 kg-Bags
1	(2.27)	<u> </u>	3 3, 1 1 11 11 10 10 10 10
W 101	Provision of Tissue Culture Banana		
Kolikkuttu	Plants	147000	24,000 nos
Banana/ Dried	Provision of Electric Water Pumps	300 nos	50 nos
Chilli Production	•		
Cluster (700	Provision of Kerosene Water Pumps	0	0

Farmers - 550	Provision of Micro Sprinkler Irrigation		
Existing & 150	Systems	300	0
New Farmers)	Provision of Drip Irrigation Systems	0	0
	Provision of Automation for Irrigation		
	Systems	0	0
	Provision of Phosphoric Acid (H3PO4)	100 L	68 L
	Provision of Hybrid Chilli Seeds	12 kg	7 kg
	Provision of Plastic 100 Holes-		
	Nursery Trays	15950	15590
	Provision of Poly mulch	430	409 units
	Provision of Bunch Cover Bags	2160 unit	2010 units
	Provision of Color Ribbons	25,000 nos	25000 nos
	Fertilizers (Urea, TSP, & MoP)	0	0
	Al Ladders	300	150 nos
	Provision of Micro Sprinkler Irrigation		
	Systems	400nos	150nos
	Provision of Drip Irrigation Systems	400nos	150
	Provision of Papaya Seeds	32,250 nos	300nos
	Provision of Plastic 100 Holes-		
	Nursery Trays	7,500 nos	5000nos
	Provision of Hybrid Chilli Seeds	6 kg	5
	Provision of Electric Water Pumps	120 nos	72
	Provision of Kerosene Water Pumps	30 nos	0
	Provision of Phosphoric Acid (H3PO4)	150 L	0
	Automation for Irrigation Systems	15 nos	0
	Provision of Fruit Cover Bags	150,000 nos	0
	Provision of Fruit 32 mm-Coco Pellets	1,950,000 nos	0
Papaya/ Dried Chilli Production	Provision of Poly-Mulch	240,000 m	0
Cluster (600	Provision of Plastic Crates	1,500 nos	0
Farmers)	Provision of Tractors and Trailers	2 nos	0

Annex 3: PUC Assets

Provinc	District	Chucken	Processing Machinery		Compos	t Making	Office Asets		
е	District	Cluster	Machinery Item	Cost - LKR	Item	Cost - LKR	Asset Item	Cost - LKR	
			Heat Pump dryer	11,643,750	Compost mixer	299,460.00	Laptop	102,500.00	
			Chili grinding machine	675,000	Rotatory Seiver	1,395,900.00	Conference table	156,000.00	
			Chili disk mill machine	575,000			Clerical tables (2 nos.)	32,400.00	
			Chili powder packing machine	1,752,816			Steel Cupboard	35,639.00	
			Weighing scale (300 kg)	24,000			Executive table	21,492.00	
		Dry Chili -	Weighing scale (10 kg)	2,460			Conference Chair (6 nos)	23,760.00	
		Living Agro Products Ltd	Weighing Scale	3,300			Table	21,830.00	
			Weighing Sacle (15 kg)	15,550			Chair	12,400.00	
							Alumara	32,990.00	
							Calculator	2,700.00	
							Small table	12,200.00	
NP	Vavuniya						Smallchair	6,000.00	
				I	I				
			Total	14,691,876		1,695,360		459,911.00	16
			Maiza Sood Dwiers (2 pas)	25 545 400	Multichanner (F. nos.)	2 245 500	Conference table	156,000,00	
			Maize Seed Dryers (2 nos.) Maize Seed Grading cum cleaning machines	25,515,188	Multichopper (5 nos.)	2,245,500	Conterence table	156,000.00	
			(2 nos.)	31,657,550	Rotary seiving machine	1,395,900	Clerical tables (2 nos.)	32,400.00	
		Hybrid Maize Seed	Maize corn thresher machines (2 nos.)	3,030,000			Steel cup boards	35,639.00	
		- Ensured Seeds Position	Portable Moisture Meters (12 nos.)	2,089,680			Executive table	21,492.00	
			Weighing scale	24,000			Conference chair (6 nos.)	23,760.00	
							Laptop	102,500.00	
					1				
			Total	62,316,418.00		3,641,400.00		371,791.00	66
		Papaya - Pasumai					Conference table	156,000.00	
		Agro					Clerical tables (2 nos.)	32,400.00	

	Products							
	Ltd					Steel cup boards	35,639.00	
						Executive table	21,492.00	
						Conference chair (6 nos.)	23,760.00	
						Laptop	102,500.00	
						Printer	41,900.00	
							,	
		Total	-		-		413,691.00	413
		Conveyor Lines				Laptop	102,500.00	
		Weighing scales	24,000			suggestion box	3950.00	
						Notice board	4750.00	
						chair (6 nos)		
	TJC Mango -					conference table	156,000	
	Shakthi					office table (2 nos.)	32,400.00	
	Agro					management table	16,200.00	
						steel cupboard	35,639.00	
		Total	24,000.00		0		351,439.00	375,43
		Hard Borra Borra	44 642 750			Lanta	102 500 00	
		Heat Pump Dryers	11,643,750			Laptop	102,500.00	
		Weighing Scale	24,000			Clerical Table (2 nos.)	32,400.00	
	Dry Chili	Deshelling grading & separation line	1,854,397			Executive table	21,492.00	
	(Kandavalai) - Thayakam					Conference table	156,000.00	
	Agro Ltd					Chair (6 nos)	23,760.00	
Kilinochc						Steel cupboard	35,639.00	
hi								
		Total	13,522,147		0		371,791.00	13,893
		Heat Pump Dryer	11,643,750	Multichopper	499,100	Laptop	102,500.00	
	JPN (Karachchi)	Weighing balance	125,000	Rotary seiving machine	837,540	Clerical Table (2 nos)	32,400.00	
	- 2K Agro Products	Cold Room	12,728,963			Executive table	21,492.00	
	Ltd	Deshelling grading & separation line	1,854,397			Conference table	156,000.00	
		JPN decorticator machine	1,516,300			chairs (6 nos)	23,760.00	

				Steel cupboard	35,639.00	
				Printer (Canon)	41,900.00	
				Suggestion box	3,950.00	
				Notice board	4,750.00	
				Multi media Projector with screen	115,000.00	
				Jercen	113,000.00	
	Total	27,868,410	1,336,640		537,391.00	
	Pulper machine	1,097,800.00		Laptop	205,000.00	
	Fruit Pulper Heater	142,000.00		Conference table with chairs (6 nos)	156,600.00	
	Jacket kettle	1,650,000.00		Executive table	21,492.00	
	Freezer Machines (2 nos)	826,000.00		Clerical table	32,400.00	
Passion Fruit - MAK	Pulper remover	1,350,000.00		Steel cupboard	35,639.00	
Agro products	Jakettle Machines - 2 nos - new	5,250,000.00		Suggestion Box	3,950.00	
Ltd				Notice Board	4,750.00	
				Printer	41,900.00	
				Projector with screen	115,000.00	
	Total	10,315,800.00	0		616,731.00	
				Laptop	205,000.00	
				Notice board	4,750.00	
Promegrana				Suggestion box	3,950.00	
te - Red Angel Agro				Clerical Table (2nos)	32,400.00	
Ltd				Executive table	21,492.00	
				Conference chairs (6 nos)	23,760.00	
	Total				291,352.00	

	Ground Nut & Chili - Mullai Agribusines s Ltd	Heat Pump Dryer with Additional trays & trolleys	17,135,335.80			Laptop	410,000.00	
		Gravity sepreator	2,400,000.00			Conference Table with chairs	167,000.00	
		Groundnut decorticator (2nos.)	4,400,000.00			Office Table	48,000.00	
						Steel cupboard	35,000.00	
						Multimedia projector with screen	115,000.00	
		Total	22.025.225.80				775 000 00	24 710 225 90
		Total	23,935,335.80		-		775,000.00	24,710,335.80
		Sorting & Packing conveyor	2,424,370.72			Office Laptop	205,000.00	
		Smart weighing system	1,109,750.00			Multimedia Projector& screen	115,000.00	
	Promegrana te - Lankan	Weighimng & packing tables (4 nos.)	1,769,292.74			Steel Cuboard	35,640.00	
	Red Gems Farmers Company Ltd	Hydraulic manual pallet truck	242,576.56			Office Chairs (3 nos.)	71,280.00	
						Management Table	16,200.00	
Mallaitiv u						Conference Table & chairs (4 nos.)	166,600.00	
			5,545,990.01		-		609,720.00	6,155,710.01
	Papaya - Golden Papaya Farmers Ltd	Weighimng & packing tables	2,920,466.48	Multy Chopper	299,460.00	Laptop	205,000.00	
		Drain conveyor	1,550,270.51	Rotary Siever	837,540.00	Steel cupboard	35,640.00	
		Air drying conveyor	4,352,885.47			Multimedia projector	115,000.00	_
		Dispatch roller conveyor	2,008,033.20			Executive table (2 nos.)	25,000.00	_
		Preliminary washing unit	5,197,619.35			executive Chair 2	15,840.00	_
		Chemical treatment tank	1,698,659.07			Maneger table	16,200.00	
		Chemical deadment tank	1,030,033.07					
		Weighing & packing tables (10 nos.)	3,676,890.86			Maneger chair	7,920.00	
		Weighing & packing tables (10 nos.)	3,676,890.86			Maneger chair conferences table & chairs (4	7,920.00	
		Weighing & packing tables (10 nos.)	3,676,890.86		1,137,000.00	Maneger chair conferences table & chairs (4	7,920.00	23,359,024.93

	fruitz							l
	farmers					Multimedia Projector& screen	115,000.00	
	Company Ltd					Steel Cuboard	35,640.00	
						Office Chair (3 nos)	71,280.00	
						Management Table	16,200.00	
						Conference Table & Chairs (4		
						nos)	166,600.00	-
l			0		0		609,720.00	609,7
						Laptop	205,000.00	
						Clerical table (2nis.)	32,400.00	
						Executive table	21,492.00	
	Passion Fruit - Marutham					Conference table with six chairs	166,600.00	
						Chair	23,760.00	
						Steel cupboard	35,640.00	
	Smart Agro Ltd					Printer(canon)	41,900.00	
	Ltu					Multimedia projector and	41,300.00	1
						handle	115,000.00	-
						Suggestion box	3,950.00	
						Notice board	4,750.00	
			0		0		650,492.00	650,4
	Potato & Onion - Ceylon Smart Poton mers Company Ltd	Sorting & Packing conveyor	2,402,982.68	Multi chopper	499,100.00	Conference table with 4 chairs	156,600.00	
		Smart Weighing System	1,109,750.00	Rotary siever	1,395,900.00	Office table	16,200.00	
		Weighimng & packing tables (4 nos.)	1,753,683.86	Mixing Shovels	950.00	office chair	23,660.00	
Jaffana		Hydraulic manual pallet truck (2 nos.)	480,873.04	3 spikes fork	2,250.00	Management table	21,492.00	
		Pedestal type bag sealing machine (2nos.)	264,480.17	Wheelbarrow	8,500.00	Laptop with bag	205,000.00	
		Electrically operated hand - held bag closer	396,720.26	compost thermometer (2 nos.)	30,000.00	Projector	115,000.00	
						Steel Cupboard	35,638.92	

					Printer	41,900.00
	Total	6,408,490.01		1,936,700.00		615,490.92
	Heat Pump dryer	11,643,750.00				
Dry Chili	Treat rump dryer	11,043,730.00				
Cluster						
	Total	11,643,750.00		-	Conference table with four	-
					chairs	156,600.00
					Excutive table -	21,492.00
					Clerical table (2 nos)	32,400.00
Mango - Jaffna					Laptops	205,000.00
Mango Queen					Multi media Projector with screen -	115,000.00
Farmers Ltd					Steel Cupboard -	35,638.92
					Printer (canon) -	41,900.00
					Times (ourising	1 12,300.00
	Total	-		-		608,030.92
	Fruit weighing & sorting conveyor	2,624,375.86	Multi shopping	499,100.00	Conference table with four chairs	156,600.00
	Drain conveyor	1,210,348.67	Sieving Machines	1,395,900.00	Excutive table -	21,492.00
	Air drying conveyor	2,988,506.18	compost thermometer	15,000.00	Excutive chairs (3 nos)	70,980.00
	Inclined roller conveyor for empty boxes	2,157,673.62	compost moister meter	15,000.00	Clerical table (2 nos)	32,400.00
Banana -			compost moister meter	13,000.00		
Jaffna Organic	Dispacth roller conveyor (2nos.)	3,663,282.90			Laptops Multi media Projector with	205,000.00
Farmers Company	Preliminary washing unit	3,125,556.92			screen -	115,000.00
	Chemical treatment plant	1,314,136.80			Steel Cupboard -	35,638.92
Ltd		3,505,761.80			Printer (canon) -	41,900.00
Ltd	Weighing & packing tables (10 nos.)					
Ltd	Manual pallet truck	225,000.00			Plastic chairs with Round table	7,500.00
Ltd		225,000.00 750,000.00			Plastic chairs with Round table Plastic chairs Square table	7,500.00 15,000.00

Bench type electric weighing balances (20 nos)	760,000.00							
Platform weighing scales (150 kg) (4 nos.)	2,020,000.00							
Wheelbarrows (2 nos)	17,000.00							
Total	26,255,642.75		1,925,000.00		701,510.92	28,882,153.67		