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AN ENVIRONMENTAL ACTION PLAN
FOR THE PROPOSED ACDI
PINEAPPLE NURSERY ACTIVITY

By

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INTRODUCTION

This environmental Action Plan was prepared so as to provide a more detailed description of the steps to be taken by ACDI to mitigate or manage the environmental consequences of the establishment of the pineapple nursery farm in Kotabowa, Bibile, Moneragala District of Uva Province, Sri Lanka. It elaborates on Chapter 4.0 of the environmental assessment of the proposed ACDI pineapple nursery¹ and was requested by AID/W as a prerequisite to formal approval of the EIA and authorization to commence work on the nursery farm.

The Action Plan was prepared in close consultation with the Environmental Officer of USAID/Sri Lanka, Mr. Avanthi Jayatilleke, and with advice and counsel from several officials of the Central Environmental Authority, Colombo.

This Action Plan is meant to be a model for other organizations or USAID Missions undertaking agricultural development work involving farm development, jungle clearing and/or related activities.

¹ Tolisano, Jim, "An Environmental Assessment of the Proposed ACDI Pineapple Nursery Activity," Agricultural Cooperative Development International (ACDI), Colombo, Sri Lanka, April 1992.

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PROJECT: Commercial Small Farm Development (CA# 383-0101-A-00-0062)

OBJECTIVE: General items not included in the mitigative measures but requested by AID/W: 1.0 TOR for EA of commercial acreage, 2.0 Monitoring plan, 3.0 Reporting Plan and 4.0 Ameliorate possible excessive use of agro-chemicals by small traditional farmers converting to cash crops.
 FIRST PLAN: 1.0 TOR for EA of commercial acreage.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
1.0 TOR for complete EA on commercial acreage which might eventually be put under intensive pine-apple production.	ACDI	10/31/92
1.1 ACDI contracts with James Tolisano for additional three to four days to prepare draft terms of reference for suggested environmental assessment of a 5,000 acre commercial pine-apple farm that <u>might</u> eventually be established in the Bibile/Medagama region of the Moneragala District, Uva Province, Sri Lanka.	ACDI	9/4/92
1.2 Tolisano prepares draft TOR and submits same to ACDI/Colombo for review with USAID Mission, Central Environmental Authority and ACDI chief of party R. C. Flick.	JT	9/15/92
1.3 Amendments/changes requested via fax to JT.	ACDI	9/30/92
1.4 JT provides final TOR for submittal to CEA & USAID/SL.	JT	10/15/92
1.5 USAID approves and submits to AID/W	USAID/SL	10/16/92
1.6 AID/W approves TOR and notifies USAID/SL	AID/W	10/30/92
1.7 Final TOR submitted to CEA with USAID/SL recommendation that it be used to undertake <u>any environmental assessment work if and when a commercial pineapple investment project is put forward by any foreign and/or local investor.</u>	USAID/SL	11/2/92
1.8 NAREPP works with CEA to adapt the TOR to Sri Lanka legislation and local conditions as an investor formalizes their proposal to undertake a nucleus farm and processing plant in the Bibile/Medagama region.	NAREPP/ CEA	When investor is identified & formalizes proposal
1.9 CEA w/NAREPP assistance, works with investor to undertake an EA of the proposed pineapple nucleus estate, processing plant and out-grower production plan.	CEA/ NAREPP	Depends on investment time table

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OBJECTIVE: 2.0 Establish an environmental monitoring plan for the USAI/SL Mission, the CEA and ACDI.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
2.0 Establish an environmental monitoring plan for the USAID/SL Mission, the CEA and ACDI.	USAID ACDI	8/31/92 8/31/92
2.1 The monitoring Action Plan is based on regular <u>quarterly project reports</u> prepared by the Agri-DEV nursery farm manager and submitted to ACDI/CSFD. Copies of the section of the reports dealing with EA issues will be submitted directly to the Resource Management Division of the CEA/Colombo and to the District Environmental Agency (DEA) under the Government Agent, Moneragala District. The CEA and the DEA will have the responsibility to <u>monitor compliance</u> of the MM in the EA and other measures that may be required as the project is implemented. USAID and the NAREPP will work with these agencies to assist in this function.	Agri-DEV CEA & DEA USAID NAREPP	Quarterly Quarterly On-going Basis
2.2 The Divisional Secretary/Medagama also gets copies of the EA section of the quarterly reports. The DS is the ex-officio chairman of the Planning Committee in the Medagama AGA Division and is in charge of monitoring all development projects in the district. At the local level this committee is charged with the responsibility of monitoring and reporting to the Moneragala District DEA and to the CEA.	Agri-DEV	Quarterly
2.3 Under the Divisional Secretary/Medagama, the Gramaseveka (village level GSL coordinator) <u>monitor any projects in their local area</u> , deal with complaints from villagers, ensure water is used in accord with permits, acts as Justice of the Peace, etc. Any <u>village complaints</u> in respect to water shortage or contamination, lack of access, problems with wild animals, etc. are brought to his attention for solving. This official will <u>report up</u> through channels to the Planning Committee, to the DEA and to the Government Agent/Moneragala.	GS Villagers To GS GS	On-going Basis On-going Basis On-going Basis
2.4 USAID and CEA/Colombo visit site unannounced to verify test results, compliance with MM's and other required actions & to dialogue with Agri-DEV nursery manager & staff re MM's, etc.	USAID/CEA	As needed

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OBJECTIVE: 3.0 Establish a regular reporting plan on the mitigative and other EA measures.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
3.0 Establish a regular reporting plan on the MM and other EA measures.	ACDI	8/31/92
3.1 Quarterly Technical and EA Monitoring Reports submitted to USAID. EA section submitted to CEA & local DEA & committees monitoring projects in AGA Division & in Moneragala District.	ACDI	4/15, 7/15 10/15 & 1/15
3.2 Water quality standards set by CEA for Dahamal Oya. Reports compare test results with norms.	CEA	9/30/92
3.3 Water quantity standards set by Irrigation Department in Medagama AGA Division. Reports compare water usage with norm set by ID.	ID	9/30/92
3.4 USAID Project Manager obtains and maintains list of EPA & GSL general use agro-chemicals & communicates same to ACDI/CSFD & Agri-DEV. Reports compare chemicals being used with these lists.	USAID	10/31/92
3.5 USAID Project Manager obtains and maintains EPA and GSL list of restricted use chemicals for pineapples or pineapple planting material & communicates same to ACDI/CSFD & Agri-DEV. Reports certify that no restricted use chemicals were used without prior Grant Officer (Regional Contracting Officer) approval.	USAID	10/31/92
3.6 <u>Quarterly EA reports reviewed</u> and comments submitted to ACDI/Agri-DEV for corrective action.	USAID CEA DEA	5/1, 8/1, 11/1 & 2/1
3.7 <u>Trip reports</u> of unannounced visits submitted to ACDI/Agri-DEV with recommendations for corrective action as a result of field trips.	USAID CEA	On-Going
3.8 Copies of reports, trip reports, etc. submitted by Mission to AID/W for review and comment.	USAID	On-Going

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OBJECTIVE: 4.0 Ameliorate the possible excessive usage of chemicals by small farmers in Bibile/Medagama area who might one day become outgrowers for any commercial pineapple project or who might buy pineapple planting material sold by the nursery farm./¹

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
4.0 Ameliorate the possible excessive usage of chemicals by small farmers in Bibile/Medagama area who might one day become outgrowers for any commercial pineapple project or who might buy pineapple planting material sold by the nursery farm.	Ag Dept ADA Extension System Investor Agri-DEV CEA w/ help from NAREPP	On-going once an investor is iden- tified & 6/30/93 6/30/93
4.1 As and if an investor is identified, work with the Agricultural Department, the Agricultural Development Authority & the Divisional Secretariat under the AGA to ensure the commercial "proposal" to the GSL has a provision for an out-grower program which also contemplates an IPM extension program.	Agri-DEV	6/30/93
4.2 If no investor is found and nursery is closed, develop and begin to implement IPM information and training for farmers buying planting material.	Agri-DEV	4/30/93
4.3 IPM plan and recommendations developed to cultivate smooth Cayenne pineapple under low chemical usage plan.	ADA	2/28/93
- Obtain consulting services of Ag. Department specialist to prepare plan & farmer guidelines for low chemical usage conditions.	Consul'nt	3/15/93
- Plan prepared & submitted to Agri-DEV.	Agri-DEV	3/20/93
- Agri-DEV reviews plan & submits to ACDI tech-committee (in U.S.) and to University of Hawaii School of Agriculture for review and recommendations.	ACDI Tech Committee	4/20/93
- IPM plan & documentation translated to local languages and IPM booklet and handouts made.	Univ. Haw Agri-DEV	4/20/93 4/25/93
- Bibile Agricultural School instructors & Ag extension personnel from district trained in IPM methods/practices recommended by study	Ag Dept Agri-DEV ACDI	5/15/93

¹ Current plan is to "capitalize" all planting material produced in the nursery farm for sale to a prospective investor, should one be found. Failing to find an investor, ACDI/CSFD - Agri-DEV will close the nursery. Should this occur, the planting material would then be sold to whoever might be interested, including SL commercial farmers and small farmers wishing to grow smooth Cayenne pineapples. If and when the planting material is sold to local clients, Agri-DEV will implement the steps contained in this Action Plan.

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OBJECTIVE: 4.0 Continued from previous page.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
<p>from Ag. Department specialist and reviewed by University of Hawaii and ACIDI technical committee.</p> <ul style="list-style-type: none"> - Farmers purchasing planting material receive short course training at Bibile Agricultural School <u>prior to taking planting material</u> and as a prerequisite to despatch. - Agricultural instructors and other extension personnel follow-up with pineapple farmers as part of their normal extension activities serving small farmers. - Pineapple cultivation guides, including IPM recommendations, prepared in three languages and disseminated to farmers growing pineapples in traditional pineapple growing areas near to Colombo and other parts of SL. 	<p>Bibile School Agri-DEV</p> <p>Ag Dept</p> <p>Agri-DEV</p> <p>Ag Dept</p>	<p>On-going from 6/30/93</p> <p>On-going from 6/30/93</p> <p>4/25/93</p> <p>On-going thereafter</p>
<p>4.4 Nursery farm closes by 12/31/93 and all remaining planting material is either transferred to the Department of Agriculture, another private nursery farm or uprooted and destroyed (burnt) and the site restoration plan implemented in accord with Action Plan #16 below.</p>	<p>Agri-DEV</p>	<p>12/31/93</p>
<p>4.5 Quarterly reports document implementation, training activities, brochure preparation, plant sales, etc. and any problems encountered with program.</p>	<p>Agri-DEV</p>	<p>Quarterly</p>

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OBJECTIVE: 5.0 Mitigative Measure #1: Inventory and protect wetlands and springs within the proposed nursery site.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
5.0 Inventory and protect wetlands and springs within the proposed nursery site.	Agri-DEV	10/1/92
5.1 Initial consultant assignment of Dr. Craig Davis to determine if true jurisdictional wetlands truly exist on the nursery and to identify them, mark them and train Agri-DEV and ACDI in measures to take to identify jurisdictional wetlands, determine their boundaries and protect them. Report Submitted.	ACDI	July 1992
5.2 Dr. Davis provides information on how to identify wetlands and provides initial instruction to ACDI personnel.	Dr. Davis	7/15/92
5.3 ACDI COP prepares brief set of instructions for identifying wetlands, establishing boundaries and taking steps to protect the wetlands.	Dr. Davis	7/20/92
5.4 Instructions faxed to Dr. Davis at Ohio State for review and return faxing with comments.	ACDI/COP	8/31/92
5.5 ACDI/COP follows-up with Dr. Davis when on R&R in U.S. during September and communicates any additional recommendations to Agri-DEV.	ACDI/COP	8/31/92
5.6 Follow-up on recommendations of Dr. Davis.	ACDI/COP	9/15/92
5.7 <u>If necessary</u> , develop <u>SOW</u> for wetland conservation consultancy assignment to assist Agri-DEV nursery manager identify and delineate borders of wetlands.	Agri-DEV	9/30/92
5.8 Identify consultants, hydrologist, wetlands ecologist, sign contracts and undertake study.	ACDI COP	10/15/92
5.9 Report prepared either by consultant or by Agri-DEV nursery manager including: - Map of nursery with jurisdictional wetlands marked. - Current flow rates of the wetlands. - Plan of protective measures and continued measurement of flow rate during rainy season.	ACDI/SL	10/15/92
5.10 USAID and CEA review plan and approve protective measures for identified jurisdictional wetlands	ACDI	10/31/92
5.11 Plan submitted to CEA for incorporation into their national wetlands conservation program.	USAID & CEA	10/31/92
5.12 Implement monitoring plan.	ACDI	10/31/92
5.13 Implement protective measures as nursery is cleared and land is prepared for planting.	USAID & CEA	On-going after approval
5.14 Quarterly report documents action taken on wetlands identification, protection, etc. and any problems being encountered.	Agri-DEV	On-going
	Agri-DEV	Quarterly

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OBJECTIVE: 6.0 Mitigative Measure #2: Trained botanist to conduct random samples within the proposed nursery to determine presence of any rare, unique, threatened, endangered, or sensitive plant species. Take appropriate measures to preserve or transplant such species.

Action Plan: (Steps in sequential Order)	Party Respon.	Due Date
6.0 Trained botanist to conduct random samples within nursery site to identify presence of any rare, unique, threatened, endangered or sensitive plant species & <u>take appropriate measures to preserve or transplant such species.</u>	ACDI	9/30/92
6.1 Develop Scope of work for approval by USAID.	Agri-DEV	On-going after rpt.
6.2 Identify specialist and contract to undertake study.	ACDI	8/31/92
	ACDI	9/5/92
6.3 Report submitted to ACDI for transmittal to USAID and CEA	Consultant	9/30/92
- Report contains an action plan if any indicated plant species are found.	Consultant	9/30/92
6.4 Get approval from USAID for action plan.	USAID	10/5/92
6.5 Undertake recommended measures.	Agri-DEV	10/31/92
6.6 Coordinate with the DEA and the participatory forestry program being implemented under the NORAD funded Moneragala Integrated Rural Development Program in regards to transplanting any identified species. Also coordinate with the Botanical Gardens at Peradeniya, Kandy for their recommendations for identified species.	Agri-DEV	On-going
6.7 Quarterly reports document completion of study and measures actually being undertaken to transplant identified species.	Agri-DEV	Quarterly

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OBJECTIVE: 7.0 Mitigative Measure #3: Road drainage and flood control measures to withstand or facilitate the flows from a minimum 25 year storm event to avoid inputs of sediments to the Dahamal Oya or nearby wetlands or springs.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
7.0 Road drainage and flood control measures that may be developed will be built to withstand or facilitate the flows from a minimum 25 year storm event to avoid inputs of sediments to the Dahamal Oya or nearby wetlands or springs.	Agri-DEV	On-going as farm is developed
7.1 The plans that are developed for these works roads, etc will be cleared by the Irrigation Department engineer in Medagama.	Agri-DEV	" "
7.2 As part of wet lands conservation program, the riverine forest will have <u>constructed wet lands</u> to assist in removing nitrates from water run-off. These areas will also ensure sediment from road drainage does not reach the river.	ID	" "
7.3 Quarterly reports will document progress in any of this work.	Agri-DEV	" "

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OBJECTIVE: 8.0 Mitigative Measure #4: Monitor borrow pits used for roadworks to ensure no significant loss of forest land, agricultural land or soil erosion results from nursery activities.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
8.0 Monitor borrow pits used for on-farm roadworks to ensure no significant loss of forest land, agricultural land or soil erosion results from nursery activities.	Agri-DEV	On-going
8.1 Civil Engineer from Road Development Authority identifies Borrow pits and sanctions use of established pits for material needed for on-farm roads.	RDA	9/15/92
8.2 Ensure any material used for on-farm roads is extracted from existing pits.	RDA	On-going
8.3 If borrow pits are to be established on-site or nearby, CEA guidelines will be followed and CEA kept informed.	CEA	On-going
8.4 Quarterly reports document extraction of material for roads and any environmental issues related thereto.	Agri-DEV	Quarterly

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OBJECTIVE: 9.0 Mitigative Measure #5: Map and designate the protected riverine forest to extend the length of the western border of the proposed nursery site to conserve riverine forest area.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
9.0 Map and designate the protected riverine forest to extend the length of the western border of the proposed nursery site to conserve riverine forest area.	Agri-DEV	10/31/92
9.1 Survey Department contracted to measure and mark with permanent cement boundary markers the 3 chain (66 meter) reservation alongside the western boundary of the nursery farm and the 2 chain boundary along the small stream crossing the northern section of the nursery farm.	Agri-DEV	8/31/92
	SD	9/31/92
9.2 These forest areas will be officially turned over to the Gramaseveka and the Government Agent who will be responsible for their protection. Persons going into these areas will be reported to the GS by the nursery manager.	Agri-DEV	10/15/92
9.3 The boundaries will be verified by the regular visits as described in the general monitoring section.	Agri-DEV USAID	On-going as needed On-going
9.4 Quarterly reports will report incidents and measures being taken by authorities.	Agri-DEV	Quarterly

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OBJECTIVE: 10.0 Mitigative Measure #6: To discourage and disperse any TES wildlife species attempting to enter the proposed nursery site.

Action Plan: (Steps in sequential Order)	Respon Party	Due Date
10.0 To discourage and disperse any TES wildlife species attempting to enter the proposed nursery site.	Agri-DEV	On-going
10.1 Develop scope of work for a specialist in designing systems and procedures for dealing with wildlife (elephants) problems in agricultural projects.	ACDI	10/20/92
10.1 SOW cleared by Wildlife Dept.	WD	10/25/92
10.2 SOW approved by USAID.	USAID	10/30/92
10.3 Identify consultant.	ACDI	10/30/92
10.4 Study undertaken.	Consultant	11/15/92
10.5 Report submitted with recommended measures.	" "	11/15/92
10.6 Consult with Pelwatta Sugar Company, a large sugar plantation in Buttala only 1 hour from proposed nursery farm to document their elephant protection measures. Incorporate these, where feasible, into report.	Agri-DEV ACDI	11/15/92 11/15/92
10.7 Implement measures.	Agri-DEV	On-going as land is cleared & beds made
10.8 Monitor effectiveness of measures and if necessary, contract additional consultant(s) to assist with additional measures.	Agri-DEV	On-going
10.9 Monitor implementation and effectiveness of measures.	USAID	On-going
10.10 Quarterly reports document problems being encountered and measures taken to resolve them.	Agri-DEV	Quarterly

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OBJECTIVE: 11.0 Mitigative Measure #7: Use only EPA General Use and GS approved agro-chemicals in nursery unless Restricted Use agro-chemicals have been approved by Grant Officer (Regional Contract Officer).

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
11.0 Use only EPA General Use and GSL approved agro-chemicals in nursery unless restricted use agro-chemicals have been approved by Grant Officer (Regional Contract Officer).	ACDI Agri-DEV	On-going " "
11.1 Ensure nursery personnel follow pineapple planting material development plan as laid down by Dr. J. B. Smith.	ACDI	On-going
11.2 Ensure chemicals purchased for use on nursery farm have been approved by the AID Grant Officer (Regional Contracting Officer) in accord with applicable Standard Provisions which are part of grant document.	ACDI	Once EA is approved seek RCO approval of listed chemicals 10/31/92
11.3 Agri-DEV nursery personnel received training in proper chemical application from nursery manager who is already an approved user.	ACDI	10/31/92
11.4 Ensure applicators wear protective clothing.	ACDI	On-going
11.5 Ensure only chemicals sprayed on plants are foliar fertilizers with micro nutrients.	ACDI	On-going
11.6 Ensure only insecticide used is used in dipping mixture or incorporated into soil during bed preparation and is not sprayed on beds.	ACDI	On-going
11.7 Ensure herbicide is used in accord with label rates and at times when there is no wind danger.	Agri-DEV	On-going
11.8 Do training of proper disposal of containers and ensure empty containers are disposed of in accord with approved procedures.	CEA ACDI	11/30/92 On-going
11.9 Expose nursery manager to IPM techniques through meetings w/Dept of Agriculture and in U.S. training during study visit.	ACDI	3/30/93
11.10 Monitoring visits by USAID and CEA.	USAID CEA	Un-announced visits
11.11 Quarterly reports document chemicals being used on farm and any problems. Additional chemicals needed will be requested through	Agri-DEV ACDI	Quarterly As needed

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OBJECTIVE: 12.0 Mitigative Measure #8: Conduct semi-annual water quality monitoring immediately upstream and downstream from nursery ensuring that nursery drainage does not contain toxic substances.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
12.0 Conduct semi-annual water quality monitoring immediately upstream and downstream from nursery ensuring that nursery drainage does not contain toxic substances.	Agri-DEV	Nov & May
12.1 Identify local laboratory capable of undertaking water quality tests from list provided by CEA, negotiate agreement with lab and implement sampling and testing program.	ACDI	9/30/92
12.2 Conduct first or baseline tests on river water and on selected wells in settled areas near to nursery.	ACDI	6/1/92
12.3 If there is a complaint of deterioration of water quality, the CEA will check/test.	CEA	As needed
12.4 Implement any corrective measures as indicated by CEA.	Agri-DEV	As needed
12.5 Copies of water test results submitted directly to CEA and DEA.	Lab	Nov & May
12.6 Regular quarterly reports document testing procedures and test results.	Agri-DEV	Quarterly

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OBJECTIVE: 13.0 Mitigative Measure #9: Ensure water quantity is adequate for traditional uses and does not drop below 1/2 flow rate during the driest months of the year.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
13.0 Ensure water quantity in Dahamal Oya is adequate for traditional uses and does not drop below 1/2 flow rate during the driest months of the year.	Agri-DEV ACDI	On-going
13.1 Nursery manager with Irrigation Department engineer from Medagama takes measurements at least monthly, on same day, and reports results to ACDI. Engineer reports results directly to CEA.	Agri-DEV ID	Monthly
13.2 CEA to conduct/convene a meeting to agree upon standards (quality and quantity) of water in Dahamal Oya.	CEA	10/30/92
13.3 Once agreement reached the standards are established.	CEA	11/15/92
13.4 Readings/sampling will be carried out monthly as per 13.1 above.	ID	Monthly
13.5 Unannounced visits check pumping volume and check to see if any complaints have been filed with local authorities.	USAID CEA	As needed
13.6 Complaints by villagers made to Gramaseveka which are passed on to nursery manager and up the line to the DEA, Irrigation Department and eventually to CEA.	Tradition- al users GS	As needed
13.7 Quarterly reports report on any problems being encountered and complaints.	Agri-DEV	Quarterly

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OBJECTIVE: 14.0 Mitigative Measure #10: Ensure that the nursery development, operations and maintenance will avoid any interference with traditional uses of the surrounding forest lands.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
14.0 Ensure that the nursery development, operations and maintenance will avoid any interference with traditional uses of the surrounding forest lands.	Agri-DEV	On-going
14.1 Nursery manager to identify two corridors and notify the Gramaseveka and the AGA Medagama	Agri-DEV	10/31/92
14.2 Nursery manager to allow normal "traffic" on road passing through southeast corner of nursery farm for traditional use.	Agri-DEV	On-going

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OBJECTIVE: 15.0 Mitigative Measure #11: Conduct a simple and concise review of possible environmental impacts from the implementation of the second and third phases of the nursery farm.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
15.0 Conduct a simple and concise review of possible environmental impacts from the implementation of the second and third phases of the nursery farm.	Agri-DEV	Beginning of Phases II & III
15.1 Identify independent local consultant suitable to CEA/USAID at end of each phase to evaluate environmental impacts of each additional phase in accord with the recommended form in the EIA.	ACDI	Beginning of Phases II & III
15.2 If phase II and III are implemented with USAID funding, undertake studies, submit reports to USAID and CEA for approval.	ACDI	Beginning of Phases II & III
15.3 Implement new mitigative measures identified in future studies.	Agri-DEV	As needed
15.4 Repeat cycle of reporting, monitoring and evaluation of results.	All Parties	As needed

ENVIRONMENTAL ACTION PLAN

DATE: September 1992 PLAN PERIOD From: October 1992 To: 12/31/93

PROJECT: Commercial Small Farm Development (CA# 383-0101-A-00-0062)

OBJECTIVE: 16.0 Mitigative Measure #12: Site restoration plan to ensure natural recovery of the land if the nursery is discontinued at any future time.

Action Plan: (Steps in sequential Order)	Respon. Party	Due Date
16.0 Site restoration plan to ensure natural recovery of the land if the nursery is discontinued at any future time.	ACDI	12/31/92
16.1 Prepare site restoration plan for filing.	ACDI	12/31/92
16.2 Submit to CEA & USAID for approval and filing.	ACDI	12/31/92
- remove structures.	Agri-DEV	12/31/93
- rip roadways.	Agri-DEV	12/31/93
- plant grasses and trees.	Agri-DEV	12/31/93
- hand-over to ADA.	Agri-DEV	12/31/93