APPENDIX - H

Agricultural and Social Support Services

APPENDIX - H AGRICULTURAL AND SOCIAL SUPPORT SERVICES

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APPENDIX H AGRICULTURAL AND SOCIAL SUPPORT SERVICES

Chapter 1 PROJECT RELATED INSTITUTIONS FOR AGRICULTURAL AND RURAL DEVELOPMENT

The introduction of the devolution policy in 1987 promoted the involvement of the Provincial Councils (PCs) in development and the agricultural and rural development activities have currently been implemented both by the central governmental line agencies and the institutions under the PCs in Sri Lanka. However, the development efforts of both the central and provincial government are designed to amalgamate at divisional levels and the activities at division and village levels are to a certain extent integrated as shown in Figure H 1.1. In this chapter, the overall institutional framework for the development is firstly discussed from the administrative viewpoint. Further, the line agencies and institutions closely related with the present Study are discussed by categorising into the central government institutions and the institutions under the PCs.

1.1 Government Administrative Structure

1.1.1 Overall Government Administrative Structure

The devolution policy enacted in 1987 has introduced a three-tier political and administrative government structure. The three-tiers comprise national, district/regional and divisional levels in case of the central government institutions and provincial, district and divisional levels in case of institutions under the PCs as shown in the overall government administrative structure illustrated in Figure H The administrative structure of the central government consists of the 1.1. institutions at the national level. District Secretariat at district levels and Divisional Secretariat at divisional levels. The organisational set-up of the developmental line agencies of the central government consists basically of the agencies at the national level, district/regional offices at district levels and divisional offices at divisional levels. The developmental institutions of provinces are composed of the PCs at provincial level, district offices at district levels and divisional offices at divisional levels, however, both of which are not always established. At the divisional level, the both developmental structures of the central and provincial government are amalgamated to a certain extent under the Divisional Secretary.

1.1.2 Provincial Councils in NCP and NWP

The Governor who is appointed by the President heads the PC. He is directly

responsible to the President. Chief Minister is the chief executive of the Province and is appointed by the Governor from the members of the council. Attached to Chief Minister, the Provincial Secretariat headed by Chief Secretary is established. Chief Secretary is directly responsible to Chief Minister and the chief administrative officer in the province. Under Chief Secretary, five Deputy Chief Secretaries who are responsible to Chief Secretary are posted. Within the framework for the development planning in the province, Deputy Chief Secretary (Planning) and his office plays the most important role. The organisational structures of the PC in NWP and NCP are shown in Figure H 1.2 and H 1.3, respectively. Among the institutions of PC, the developmental institutions closely related to the present Study are: Provincial Department of Agriculture, Provincial Department.

1.1.3 District Secretariat

Established under the central government, the District Secretariat headed by the District Secretary who is appointed by the Ministry of Public Administration, Home Affairs and Plantation Industries (MPAHA) is responsible for a wide range of administrative functions. Among the functions covered by the office, some functions related to the Study include agricultural production planning and co-ordination of issues on major irrigation schemes. District Secretary chairs the District Agricultural Committee, in which the District Integrated Agricultural Development Program is prepared annually in around September. The organisational structures of the District Secretariat of Anuradhapura and Kurunegala Districts are respectively shown in Figure H 1.4 and H 1.5.

1.1.4 Divisional Secretariat

The Divisional Secretariat, divisional level central government agency headed by Divisional Secretary is the confluence of the devolved and non-devolved systems of the country and a wide range of functions is vested with the office. Divisional Secretary is expected to take co-ordination role of the both systems at the divisional level. Divisional Secretary chairs the Divisional Agricultural Committee, in which the Divisional Integrated Agricultural Development Program is prepared annually. The organisational structure of the typical District Secretariat in the provinces is shown in Figure H 1.6.

1.2 Central Government Institutions for Agricultural and Rural Development

The ministries and department level central government institutions having

missions related with the agricultural and rural development activities are numerous. Among the same, the major institutions related with the present Study include: 1) Department of Irrigation Development (DOID) and Irrigation Management Division (IMD) of the Ministry of Irrigation and Power (MOIP), 2) Department of Agriculture (DOA), Agrarian Services Department (DAS) and Department of Export Agriculture (DEA) of the Ministry of Agriculture and Lands (MOAL), 3) Department of Animal Production & Health (AP&H), National Livestock Development Board (NLDB) of the Ministry of Animal Production and Health (MAP&H) and 4) National Aqua-culture Development Authority of Sri Lanka (NAQDA). The main functions of the major institutions are presented in Table H 1.1 and the organisational structures of the institutions are illustrated in Figures H 1.7 to H 1.12. Other central government institutions related with the present Study are listed with their functions in Table H.1.2.

1.3 Provincial Institutions for Agricultural and Rural Development

The major institutions under the Provincial Councils (PCs) having essential activities in the agricultural and rural development and related to the present Project include the provincial ministry for agriculture, Provincial Department of Agriculture, Provincial Department of Animal Production and Health, Provincial Department of Rural Development and Wayamba Development Authority.

(1) Provincial Ministry for Agriculture

The provincial ministry for agriculture in NCP, CP and NWP has different organisational set-up and has different constituent units depending on the PCs as shown in Figure H 1.13, 1.14 and 1.15, respectively. Within the ministry, the Department of Agriculture and Animal Production and Heath are the main constituent units. The activities of fisheries units in NCP and CP are negligibly limited and that in NWP is rather restricted to coastal fisheries. The activity of irrigation unit in NWP is very limited because the irrigation sector of the PCs, engineering staff in particular, was amalgamated into the Engineering Department.

(2) Provincial Department of Agriculture (PDOA)

Agricultural extension activities are fully devolved to the provincial level in NWP and are mostly devolved to the PCs in NCP and CP, except areas under the coverage of the Inter-provincial Extension Units (IPEUs) of DOA. Accordingly, the PDOAs headed by the Provincial Director of Agriculture are responsible for formulating operational policies and strategies and for executing and monitoring agricultural support activities on food and horticultural crops. As shown in their organisational structures (Figure H 1.13, 1.14 & 1.15), the organisational set-up of the PDOA of NWP is well established compared to those of the other two provinces. The total number of technical staffs in the PDOA of NCP, CP and NWP 75, some 200 and 197, respectively. The organisation of the PDOAs consists of three tiers of provincial, district and divisional levels. Under the provincial office, the PDOA has district offices and divisional offices. The PDOA of NCP has 1 District Office in Anuradhapura attached to the provincial office as the extension services in Polonnaruwa District is under the jurisdiction of the Inter-provincial Extension Unit of DOA in Anuradhapura. At divisional level, the Segment Offices and Divisional Offices staffed with ADA are established in NWP and CP. While, only the Divisional Offices are established Under the Divisional Offices, Agricultural Instructors (AIs) are in NCP. deployed as field level extension officers stationed at and operate from the ASCs.

(3) Provincial Department of Animal Production & Health (PDAPH)

Livestock extension activities are fully devolved to the provincial level and veterinary services, artificial inseminations and field extension services in the livestock sub-sector are the responsibility of the PDAPHs. In the past, the government efforts in the sub-sector were directed more to animal health than animal However, recent efforts towards technical extension and advice husbandry. supported by foreign funded projects appear to have had some success, especially in NWP. The PDAPH is headed by the Provincial Director of Livestock and is composed of three tiers of provincial, district and divisional offices as shown in the organisational structures for NCP and NWP in Figure H 1.13 and 1.16. Under the provincial head office, there are 2 District Offices deployed in Anuradhapura and Polonnaruwa in NCP and in Kurunegala and Puttalam in NWP. Under the District Office, the divisional level Veterinary Surgeon Offices are established. At the Veterinary Surgeon Office, 1 veterinary surgeon is placed. In the Office, the field level extension officers of the department, Livestock Development Instructors, are stationed. The veterinary services and artificial inseminations are provided at the Office and by the LDIs. The LDIs also engage in livestock extension services though the main stay of their services is animal health and genetic improvement services and they are to report to the ASCs in their operation areas every Wednesday. The total number of technical staff in the PDAPH of NCP and NWP are 63 and 153, respectively.

(4) Provincial Rural Development Department (PRDD)

The PRDD is the institution responsible for development of small-scale rural infrastructures, establishing village development organisations and organising community. It is established under the PC independently from the Regional Development Department of the central government. The institution has its field level Rural Development Officers stationed at Divisional Secretariat.

(5) Provincial Engineering Department

The Provincial Engineering Department is a technical supporting unit and is a technically central organisation in civil engineering works implemented in provinces. The department is organised by amalgamating civil engineering sections of irrigation, road and buildings under Deputy Chief Secretary. It is headed by Provincial Director of Engineering as in the organisation set-up of NWP shown in Figure H 1.17.

(6) Wayamba Development Authority

The Wayamba (North Western Province) Development Authority is the institution established in 1992 for enhancing the agricultural development in the province. Within its objectives for the establishment, the Authority has an ambitious scope of activities. However, the budget allocation for the Authority seems to be still limited and financial supports for development activities are being sought.

(7) Other Institutions for Agricultural Development

Other Institutions for agricultural development in the PCs and related with the present Study include the irrigation unit of NCP and CP. However, their development activities are limited compared with that of DOID because of the amalgamation of engineering staff into the Engineering Department. Another provincial institution related with the Study is the Land Commissioner Department, of which major functions are shown in Table H 1.2.

1.4 Constraints for Development

The constraints for development with the developmental institutions will be the involvement of multitude of institutions sometimes having overlapping mandate. Such duplicated institutions appears to be established under certain political influences and the activities and development coverage of those institutions are subjected to be affected by the changes in the political atmosphere.

Chapter 2 PRESENT CONDITIONS OF AGRICULTURAL AND SOCIAL SUPPORT SERVICES

2.1 Agricultural Research

Agricultural research in Sri Lanka is carried out by a number of central government institutions. The Ministry of Agriculture and Lands (MOAL) is responsible for research on all crops other than coconut, rubber, tea and cashew. In the MOAL, Department of Agriculture (DOA) and Department of Export Agriculture (DEA) respectively has the responsibility for research and development on food and horticultural crops and on export agricultural crops. Research activities on the livestock sector are under the jurisdiction of the Ministry of Livestock Development and Estate Infrastructure and those on the fishery sector are under the National Aquatic Resources Research and Development Agency (NARA). The research activities of these institutions are co-ordinated by the Sri Lanka Council of Agricultural Research Policy (CARP).

2.1.1 Council of Agricultural Research Policy (CARP)

The co-ordination of research institutions and the formulation of the national research policy and priorities in the agriculture sector are carried out by the CARP established within the MOAL in 1987 aiming at the integration and co-ordination of research efforts in the sector. It takes a major role in the preparation of a research sector status report, "National Agricultural Research Plan." The report discusses the research priorities by sectors and regions. The research priorities in the 1999 report are established based on the following thrust areas of research indicated in the Government's 6-Year Development Plan (1999-2000).

- To identify causes for stagnant yields in major food crops and develop objective research programs/strategies aiming at breaking yield barriers,
- To identify causes for a wide gap between research and farm yields in the main food crops and develop effective adaptive research and extension programs to reduce this gap, and
- To determine and implement strategies for improving returns on investments in agricultural research and evaluate accountability and performance of research scientists.

2.1.2 Research Institutes on Food and Horticulture Crops

Research activities on food crops, horticulture crops and farm mechanisation are

under the jurisdiction of Department of Agriculture (DOA) and are carried out by the three Divisions of DOA, the Rice Research and Development Division (RRD), Field Crops Research and Development Division (FCRD) and Horticultural Crop Research and Development Division (HORD). The research activities under DOA are principally commodity based and are established agro-ecological region-The institutions of DOA include three Research and Development wisely. Institutes having central research function of each division and six Regional Agricultural Research and Development Centres (RARDC). In addition, 20 substations (Agricultural Research Stations, Agricultural Research Units and Adaptive Research Units) are implementing more field oriented research activities under the main institutions. The overall organisational structure of the research institutions of DOA is illustrated in Figure H 2.1. The research institutes which are expected to be technical resources for the present project include: 1) Rice Research and Development Institute (RRDI), 2) Field Crops Research and Development Institute (FCRDI) Maha Illuppallama, 3) Horticultural Crop Research and Development Institute (HORDI) Gannoruwa and 4) RARDC Makandura. The functions of these institutes are explained in Table H 2.1.

2.1.3 Research and Extension Linkage in Food and Horticulture Crops Agriculture

Liaison between the regional research organisations and the Provincial Department of Agriculture (PDOA) is effected through the Provincial Technical Working Group (PTWG) organised on provincial basis, which was formally called Regional Technical Working Group (RTWG). The PTWG meets 1.5 to 2 months prior to the commencement of cropping season. The Group is to discuss research results, extension progress and problems in the previous season, extension programs in the coming season, research and training needs and to plan future research programs. The PTWG is chaired by the director of PDOA. The Makandura RARDC is the member research institute for the NCP PTWG that covers both the service areas of the PDOA and IPEU. The FCRDI, Maha Illuppallama is the same for the NWP PTWG. All research Officers, ISTI staff, DOA senior officers and officers of PDOA and IPEU are nominated as members of the PTWG.

Another linkage activity between research and extension is the formation of a diagnostic team on need basis. The team composed of researchers and provincial and central extension staffs makes visits to problem areas during cropping season in order to obtain information on problems and constraints in the adoption of new technology and find solutions, if possible. These two measures were introduced aiming at adoption of more field and farmer oriented activities by research groups

under the Agricultural Extension and Adaptive Research Project (AEARP) and have been established and maintained as tools to build linkages between research and extension in the Project Area.

2.1.4 Research Institutes on Other Crops

(1) Research on Export Agricultural Crops (EAC)

The Department of Export Agriculture (DEA) has an organised research network under the Research Division. The research network consists of the Matale Central Research Station and 7 Research Sub-Stations (RSS). The stations are responsible to undertake and conduct agronomic research and development on EAC including cinnamon, pepper, cardamom, clove, nutmeg, coffee, cocoa, citronella, lemon grass and vanilla. The Central Station has function of basic research and conducts the research and development activities together with the basic research activities.

(2) Coconut Research Institute (CRI)

Research on coconut is carried out by the CRI located at Bandirippuwa, the main coconut growing area of Puttalam District of NWP. Established in 1928, the CRI is one of the oldest organisations for research on coconut. It mandate functions are: conducting and furthering of scientific research in respect of growth and cultivation of coconut palms, coconut based cropping systems, preventing and controlling of pests and diseases and establishing pilot plants for the processing of coconut products and by-products.

2.1.5 Weakness in Research Activities on Food Crops

The weakness in the research activities on food crops aimed at improving productivity, farmer incomes and a sustainable supply of food in the country include:

- The major research priorities on the food crop sector identified in the Government's 6 Year Development Plan (1999-2000) are: 1) to identify causes for stagnant yields and 2) to identify causes for the wide gap between research and farm yields. These are dictating the necessity of further mobilisation of research people to field based or on-farm based technical development activities. However, researchers are generally academic oriented and have less interests in field related research and the research-extension linkage is still weak,

- Most of the agricultural researches are commodity based and less emphasis has been given to studying the farming system. The mechanism to identify farmer's problems and to conduct field-oriented research programs to solve the problems has not been established,
- Adaptive Research Units are constrained by staffing and logistics. There seems to be little chance to have these units staffed by competent research officers since they are generally more academic oriented and they are also reluctant to move there due to the relatively isolated locations of ARUs. They will have limited chances to be involved in farm diagnostic survey and carry out research programs based on the findings in the fields, and
- The capability of extension personnel in carrying out on-farm level and site specific trial might be limited since such trial or research activities are a patent of research group. This will present constraints for the introduction of such trials by the extension agents.

2.2 Agricultural Extension

A number of institutions under different jurisdictions engage in agricultural support activities in the Study area. Among those, the major institutions include: 1) Extension & Training Division of the DOA, 2) Department of Agrarian Services, 3) Provincial Department of Agriculture of NCP, CP and NWP, 4) Provincial Department of Animal Production & Health of NCP, CP and NWP, 5) National Aqua-culture Development Authority, 6) Department of Export Agriculture, 7) Coconut Cultivation Board, 8) Cashew Corporation and 9) Agricultural Development Authority. Among the institutions, Extension & Training Division of DOA and Provincial Department of Agriculture have a most important role in the extension activities and provide a range of extension services in the Study area. Features and major functions of the institutions involved in agricultural extension (support) activities are as discussed in the following sections.

2.2.1 Food and Horticulture Crops Sub-sector

(1) Institutions Involved in Extension Activities

The major institutions involved in extension activities on food and horticulture crops include the Extension & Training Division of the DOA and the PDOAs.

1) Extension & Training Division of DOA

The extension functions of the DOA are largely devolved to the Provincial

Departments of Agriculture while the undeveloped central and policy functions and services remain with the DOA. The division of DOA responsible for the undeveloped agricultural extension functions is the Extension & Training Division. The undeveloped functions of the Division include development of extension technology and system, communications, education & training and extension services in major irrigation schemes.

Extension & Training Division

The Extension & Training Division with the organisation structure shown in Figure H 2.2 has the mandate of: 1) development of extension technology and system, 2) in-service training activities for central and provincial extension staff, 3) recruiting of field level agricultural officers through operating the nine (9) Agriculture Schools, 4) publication of extension materials, preparation of audio-visual materials for extension purpose and extension through mass media, and 5) extension services for irrigation command areas of major schemes extending over plural provinces. The inservice training of agricultural staff is carried out at national level training centres, three regional level In-service Training Institutes and two district level training centres. The training institutes had the provision of SAEP.

Inter-Provincial Extension Units in the Study Area

For providing extension services for irrigation command areas of major schemes extending over plural provinces, the six (6) Inter-Province Extension Units (IPEUs) are established in the country. Within the Study area, the Unit is placed in Anuradhapura, which cover some 31,000 ha of irrigation command areas. The extension services of the same cover the command area of 5 major schemes under the Project, Rajangana, Nuwarawewa, Nachchaduwa, Thuruwila and Tissawewa Irrigation Schemes. The total irrigation command areas of those schemes are some 9,900 ha. The Unit has 2 segments, each staffed with 15 Agricultural Instructors (AIs) stationed at ASCs, and the field extension services are provided through the AIs. The organisational structure of the Unit is shown in Figure H 2.3. Major constraints for the execution of the mandate of the Unit are as follows;

- Extension and technical skills of field officers are not satisfactory because only 12 AIs out of 30 are permanent staff and others are contract base staff,
- Lack of new appropriate technologies to attract interest of farmers,
- Research and extension linkage is still weak,

- Poorly staffed compared to the target areas of extension services, and
- Shortage of transportation to carry out effective and extensive field guidance and supervision and to take integrated approach of filed officers.

Farm Mechanisation Training Centre (FMTC)

The FMTC in Anuradhapura is the only national training institute for farm mechanisation. The Centre was established in 1971 aiming at building up a suitable and economic farm mechanisation system. The Centre provides technical training and advisory services in the field of farm mechanisation and agricultural engineering. In 1998, it held 100 training courses and trained some 2,000 participants of the courses. However, machinery and tools utilised for training are almost all outdated and some of them appear to be not appropriate for training purposes.

Training of Farmer Animators at Agricultural Schools

The training program of Farmer Animators (FAs) was carried out in the Agricultural Schools of the DOA in 1996 and 1997 by suspending their original activities of recruiting agricultural diploma holders. In the training courses of 3 months, both theory and practical skills in agriculture have been imparted to FAs. The number of FAs trained in 1997 was 956 in total, comprising of male 602 and female 354. The proportion of FAs trained under the courses in 2 years is about 10% of the total FAs in the country. Presently, however, the training of the remaining FAs is supposed to be carried out at ASCs by AIs utilising textbooks used in the courses as training materials.

2) Provincial Department of Agriculture (PDOA)

The PDOAs of the ministries for agriculture in NCP, CP and NWP are the institutions responsible for the area specific extension services for food and horticultural crops sectors in the provinces, except for the extension services in the command areas of major irrigation schemes covered by the IPEUs. Therefore, the services of the PDOA NCP cover only Anuradhapura District and the extension services in Polonnaruwa are provided by the Unit in Anuradhapura. The head of the department is Provincial Director of Agriculture. The organisational set-up of the Departments consists of the three tiers of provincial, district and divisional levels as shown in Figures H 1.13 to 1.15. At District Offices, Deputy Directors of Agriculture are posted as the head. At divisional level, the segment and/or divisional

ADAs are placed at ASCs or D/S Secretary Offices. The divisional ADA provides guidance to and supervises AIs in his division. At village level, AIs, field extension agents, are stationed at the ASCs under the divisional or segment ADAs. The total numbers of AIs stationed in ASCs in NCP, CP and NWP and are 40, 152 and 149, respectively. The project related institutions of the PDOAs include;

Training Institution in and around the Study area

The In-service Training Institute (ISTI), established in 1982, in Maha Illuppallama, NCP is only a training institution under the PDOAs in the Study area. The centre is staffed with 1 ADA and 3 SMS, 1 training officer, 1 farm manager and 1 Agricultural Officer (AO) and has 2 vacancy posts of SMS. It has a dormitory to accommodate 60 participants. In 1998, the Centre conducted 87 training courses for staff and farmers and the total number of trainees was 2,561. The Centre was renovated with the provision of SAEP. However, the provision of audio-visual and printing equipment and renovation of a dormitory is needed for the efficient implementation of training and preparation of training materials.

Provincial Seed Farms

Two Provincial Seed Farms at Wariyapola and Galgamuwa are operated by the PDOA, NWP. The Farm at Galgamuwa has 80 acres of land and is for multiplication of OFC seed and fruit planting materials, mainly for government program needs. It is poorly established and its target production of some 55,000 planting materials in 1999 will not be met.

- (2) Present Extension System
 - 1) Agricultural Extension Projects and Lessons Learned

The agricultural extension system in Sri Lanka was restructured through the devolution of most of agricultural extension responsibilities from the central to the provincial authorities and the two agricultural extension projects implemented under the financial support of IDA. The Agricultural Extension and Adaptive Research Project (AEARP) implemented during 1979 to 1986 and the Second Agricultural Extension Project (SAEP) implemented during 1993 to 1997 (closed one year earlier than scheduled).

At the time of the preparation of the AEARP, the management of agricultural extension was diverse and uncoordinated. Extension quality and delivery

systems varied by crop, and delivery of messages to small farmers was inefficient. To address these problems, the objective of the AEARP was set to assist Sri Lanka in applying the T&V system of extension to the entire country, to strengthen adaptive research, and to improve and expand the training of extension staff. The performance of the project is assessed as follows (Staff Appraisal Report, Second Agricultural Extension Project, IBRD, 1992):

Positive Side

- AEARP helped establish a more focussed extension system for field crops,
- The project initiated research-extension linkages at the regional level by establishing of Regional Technical Working Groups (RTWGs) at each Regional Research Center, diagnostic teams, and monthly research-extension dialogue meetings, and
- The project is considered to have had a positive impact on the agricultural sector, helped the government agencies become more aware of the need for a cost-effective extension system designed to meet the real needs of the sector.

Negative Side

- The shortage of operating funds for the extension system (T&V) was a critical problem, and a unified extension service was never established,
- Horticulture, minor export crops, and coconut production did not receive enough attention, and animal husbandry was excluded, and
- The contact farmer's role as the main agent of technology transfer was quite limited, while the RTWGs effectiveness in providing research-extension linkages was weakened because of inappropriate deployment of subject matter specialists

After the completion of the AEARP, however, the sustainability of the project became seriously jeopardised as: 1) costs ineffectiveness of the T&V system and drastic cut of budget for operating the system, and 2) designation of some 2,400 village-level extension agents (KVS) as Grama Niladhari, general-purpose village level workers, of Divisional Secretary Division. Together with the devolution of agricultural extension responsibility to provincial agencies in 1987, the needs for the development and introduction of cost effective extension system with limited field level officers became the utmost task of the extension agencies of the country.

The Second Agricultural Extension Project (SAEP) was started with the lessons learnt from the experiences in the first Project and with the objectives to establish the agricultural extension system under the new policy framework. With the broad objectives of strengthening of agricultural extension services, the SAEP had two major extension components of integrated agricultural services and training of extension staff. In particular, the project sought to introduce a new integrated agricultural extension strategy having a whole farm, bottom-up planning approach, with preparation of local, district and provincial-level extension plans on the basis of farmers expressed needs. The strategy involved: 1) farmer participatory approach, 2) deployment of front line extension staff and integration of their activities, 3) farmer centred farming systems approach, 4) holistic approach to work planning and 5) human resources development through need-based training. The practical approach included the creation of an Integrated Agricultural Extension Service based on a three-tier structure comprising Field Extension Teams (FET), Guide Extension Teams (GET) and Provincial Extension Teams (PET). FETs include field extension staff of PDOA, PDAPH, Coconut Cultivation Board and Department of Export Agriculture. FET were to identify and prioritise the needs of Farmer Reference Groups composed of farmers with similar production interests, using interactive problem census, problem analysis and problem solving procedures. In addition, they were expected to develop individual farmer action plans and field extension plans at the ASC level. The GET and PET were responsible for the consolidation of ASC-level plans into district and provincial The project approach based on problem solving by extension plans. farmers and extension staff acting together, embodied progressive ideas on farmer participation and demand-led design of extension programs.

The ambitious strategy and approach of the SAEP, however, failed to achieve its objectives because of both institutional and technical causes. The key lessons learned and findings from the experiences are categorised into institutional and technical issues as follows:

Institutional Issues

- Innovative extension approaches should be successfully piloted before the nation wide expansion, while challenge to introduce a radically new method was envisaged over a relatively short time.
- Failure to secure effective "ownership" by the national and provincial extension line agencies because the presence of complex organisational arrangements and linkages within the system and continuing priority to their original work programs. They were kept principally accountable for their pre-existing programs. The application of the project extension methodology remained an additional activity. Prior assurances of commitment of participating agencies to be obtained since the coordination of integrated agricultural extension activities within different agencies remained weak under the project.

- Deformation of the project institutional set-up by the introduction of the new rural development strategy, AMA, which gave overriding priority to interaction between a wider range of line agencies.

Technical Issues

- Many extension recommendations framed by FETs were focused on conventional, packaged or input-based intensification technology, rather than being dominated by the systems-based, holistic approach envisaged in the project.
- More limited progress than had been hoped for with government efforts to improve the profitability of agriculture and stimulate the transition to commercial agriculture, and hence lower than anticipated demands from farmers for technical innovations. Before committing themselves to a major investment in technology transfer, decision-makers should give attention to ensuring that an adequate flow of new technologies, which are attractive to farmers, can confidently be expected.
- Appropriateness of any innovative extension technology to the specific production and socio-economic environment needs to be carefully assessed and agreed upon before designing a project,
- Many of the problems raised by farmers in the FRG problem census cessions concerned irrigation or non-technical matters which were outside the direct control of the FET members, which partly attributed to a loss of mutual confidence between farmers and FET members because of the inability of the latter to offer solution.
- Farmers and extension staffs alike have found the documentation required by the procedures to identify problems and prepare farmers action plans cumbersome and time-consuming and consequently farmers have lost interest in participating the planning.

2) Present Agricultural Extension System

With the devolution of agricultural extension responsibilities of the Department of Agriculture of the MOAL, the re-designation of extension workers (KVS) and the attempt to activate Farmer Animator as an village level extension agent by the DAS, the overall agricultural extension system has become very complex in the country. The current extension services in the Study area are provided through an administrative structure basically based on three levels of government: national, district and divisional in case of the central organisation and provincial, district and divisional in case of provincial organisations as shown in Figure H 2.4. Under the present agricultural extension system, all the activities of the institutions involved are supposed to be amalgamated at divisional level, specifically at the ASC and the similar approach introduced under the SAEP has continued to be

applied. The current agricultural extension systems of the food and horticultural crop sector in the Study area are as follows;

E-14 E-tension A	All stational at ACCs surveying 1 has say 100 to				
Field Extension Agents	- AIs stationed at ASCs supervised by senior officers at segment or divisional offices (AO or Divisional ADA).				
Target Groups	- Small farmer groups of 10 to 25 farmers (basically), FOs				
	& individual farmers.				
Field Extension Method	- Training/guidance through implementation of field				
Tield Extension Wethod	programs;				
	- Periodical visits to program sites & groups (once/ 1-2				
	weeks);				
	- Assistance provided by Farmer Animator (not always),;				
	- Visits to non-beneficiary areas are limited.				
Farmer Training (Class)	- Representatives of small farmer groups & FOs organised				
	at division, district & province level;				
	- Guidance/training through training components				
	accommodated in field programs.				
Extension Coverage	- Targeted to be about 20 % of the whole farmer groups				
	within the service area and 2 FGs/day;				
	- However, in case of some AIs in NWP, because of high				
	frequency of official meetings, 8 times/month, monthly				
	coverage is limited to 10 to 15 FGs at most;				
	Capacity in coverage of field programs/AI:				
	about 6 programs.				
Supervision/Monitoring	- By senior officers at segment or divisional offices;				
	- Supervision/monitoring by district/province staff limited.				
Guidance/Training	- Periodical meeting at divisional office & district offices,				
	(once per 1 to 2 weeks & monthly, respectively);				
	- Pre-seasonal in-service training;				
	- Ad-hoc training on special subjects on needs basis.				
L					

The current extension frame work and research-extension linkage of the sector is illustrated in Figure H 2.5 and the extension management system including the formulation process of the seasonal extension programs and the in-service training system of field officers (AIs) under DOA and PDOAs are shown in Table H 2.2.

The DOA and the provincial extension agencies held a co-ordination meeting on the establishment of the extension system in the country just recently. The fruits of the meeting were drafted as the proposed extension approach (draft). The drafted approach include: 1) mode of approach basically through existing farmer groups, 2) integrated farming/holistic approach, and 3) participatory approach in planning process of extension work plans, to be top-down as well as bottom-up and reciprocal.

(3) Current Extension Targets

The current extension targets of the IPEU for paddy fields are: 1) increase of average paddy yield from current 3.5 t/ha to 5.0 t/ha, 2) crop diversification, 3) extension of post harvest technology and 4) reduction of cost of

production through IPM and use of organic fertilisers. The same for highland areas are: 1) year round cultivation in agro-well command areas, 2) nutritional improvement and 3) homestead development. The same targets of the PDOA, NCP for paddy fields are: 1) improvement of paddy productivity from the current yield level of 3.8 to 4.5 t/ha, 2) crop diversification (maha – paddy & yala – paddy/OFC/vegetables), 3) introduction of IPM, 4) use of organic fertilisers and 5) yield increase of maize & soybeans, expansion of cultivated areas of mung beans & big onion and disease control of chilli. The same for highland areas are: 1) expansion of fruit cultivation, 2) introduction of vinyl house culture and 3) extension of flower cultivation, mushroom culture & bee keeping. The extension targets of the PDOA, NWP basically follow the central government targets and for paddy fields are: 1) improvement of paddy productivity through the introduction of quality seed, organic fertilisers and IPM from the current yield level of 4.3 t/ha to 4.6 t/ha in 80 % of major/medium irrigation areas and up to 6.0 t/ha in 20 % of the same by year 2005; 2) improvement of paddy productivity in minor irrigation schemes from the current yield level of 3.5 t/ha to 3.8 t/ha by year 2005, 3) crop diversification (OFC), especially in minor schemes. The same for highland areas are expansion and yield increase of fruit and OFC.

(4) Deployment of Extension Staff

The deployment of field level extension staff, divisional ADAs and AIs, in the Study area is presented in Table H 2.3 and 2.4 and as summarised below.

	Anuradhapura	Kurunegala	Nawagattegama*1	Galewela *2
ADAs	10	8	1	1
AIs	30	72	4	2

No. of ADAs and AIs Posted in the Study Area

*1 Nawagattegama Division of Puttalam District

*2 Galewela Division of Matale District

Almost all AIs have motorcycles of their own for performing duties, which were mostly supplied by the SAEP about 5 years ago and were procured under long term install payment.

(5) Current Extension Programs

The extension programs in the Study area are implemented under the central and provincial budgets or the support of the donor funded projects in the rural development and irrigation development sectors. The extension programs of the major central and provincial institutions accommodated in the current budget or the annual work programs and the same implemented in recent years are presented in Tables H 2.5 to 2.7 and summarised below.

Extension Programs of IPEU, DOA

The extension programs planned by the IPEU in Anuradhapura include large scale paddy demonstration program with fertiliser supply/credit under deferred payment system, adaptive trials, seed production programs, Integrated Pest Management (IPM), productivity enhancement program, farmer training and construction of storage facilities (Table H 2.5). In 1999, more diversified programs are to be implemented compared to those in 1998. Almost all the programs in 1999 are accommodated in the central government budget.

Extension Programs of PDOA, NCP and NWP

The programs of PDOA, NCP and NWP (Table H 2.6 & 2.7) are similar to those by the IPEU in Anuradhapura and include small and large-scale demonstration, seed production, adaptive trial, IPM and farmer training. In minor irrigation schemes, large-scale demonstration and seed production programs sometimes covers the whole command areas of the schemes. As the main target areas for extension services of the PDOAs extend over both irrigated and non-irrigated areas, some programs for upland fields are also implemented.

2.2.2 Extension Activities of Department of Agrarian Services (DAS)

The agricultural supporting services of the DAS including farm inputs supply, establishing & strengthening FOs, establishing & supporting Agrarian Service Committee, promotion of paddy seed production and cultivation loans through Farmer Bank (pilot operation) are provided through the ASCs established at divisional level, in total of 542 throughout the country. The ASCs are to be established as a nucleus place for providing support services to FOs and individual farmers. The Study area is covered by four district offices of the DAS, namely, Anuradhapura, Kurunegala, Puttalam and Matale District Offices (Figure H 1.12). The Divisional Officer (DO) of the DAS is the head of ASC and managerial role of ASC in practical meaning is taken by the DO. He also serves as Secretary to the Agrarian Service Committee. Under DO/ASC, there are Farmer Animators (FAs) or Agricultural Development and Productivity Assistants (ADPAs; FA vested with permanent position) posted to each GN Divisions. FAs/ADPAs are

grass root level/village level farmers supporting agents and expected to take roles of village extension workers in the future. The recent policy release of MOAL revealed that all the FAs would be assigned as ADPAs. The deployment of DOs and FAs/ADPAs in the Study area is presented in Tables H 2.3 and 2.4 and as summarised below.

	Anuradhapura	Kurunegala	Nawagattegama*1	Galewela *2
DOs	22	25	1	1
FAs/ADPA	373	811	8	3
S				

No. of DOs and FAs Posted in the Study Area

*1 Nawagattegama Division of Puttalam District

*2 Galewela Division of Matale District

Almost all the DOs have motorcycle of their own. However, FAs are poorly equipped with transport measures and seldom have a bicycle even. Another agricultural extension service provided by the DAS is short-term farmer training courses generally held at an ASC meeting room. It has a Residential Training Centre newly established under NIRP at Potuhera, Kurunegala District. Further, it has being promoting paddy seed production scheme by mobilising FOs in collaboration with the DOA or independently.

The ASC is established with offices for divisional staff of DAS, Agrarian Services Committee and for field officers of various institutions involved in agricultural development. It is to be administered by the Agrarian Services Committee which composed of the representatives of 10 FOs and 5 agricultural officers. The Centres have a dual function, firstly as retail outlets of farm inputs including seeds, planting materials, fertilisers, agro-chemicals, farm tools and tractor hiring services. Secondly, the Centres are to be established as local headquarters for all divisional level staff engaged in agricultural development work. The presence of 5-6 officers with different types of training and expertise under one roof makes it convenient for farmers to deal with their requirements. The typical establishment set-up of the ASC is illustrated in Figure H 2.6. The number of ASCs in the Study area is 24 in Anuradhapura, 34 in Kurunegala, 1in Nawagattegama Division of Puttalam and 1 in Galewela Division of Matale District. The results of inventory on problems and needs for operation and management of ASCs in the Study area obtained through the interview with DOs are shown in Table H 2.8 and 2.9.

The extension programs implemented by DAS in Anuradhapura and Kurunegala Districts include training programs for member of FOs. Major training subjects include awareness, O&M, agricultural planning, farming practices and construction (Table H 2.10).

2.2.3 Livestock and Inland Fisheries Sub-sector

(1) Livestock Sub-sector

The PDAPHs in NCP, CP and NWP are the institutions responsible for providing veterinary and extension services for livestock sub-sector in the provinces. The head of the department is Provincial Director of Livestock (PDL). At district level, District Offices of PDAPH are established in Anuradhapura and Polonnaruwa of NCP, Kandy, Matale and Nuwara Eliya of CP, and Kurunegala and Puttalam of NWP. At divisional level, there are 19 and 6 Veterinary Surgeon Divisions (VSDs) respectively in Anuradhapura and Polonnaruwa District, 8 in Matale District, and 16 and 9 VSDs respectively in Kurunegala and Puttalam District. At each VSD, one Veterinary Surgeon (VS) is posted and provides veterinary services in his division. VSs are supported by the Senior Livestock Instructors (SLDIs) and/or Livestock Instructors (LDIs) stationed at the VSDs. LDIs are field level extension agents of the PDAPHs. The total numbers of LDIs stationed in the VSDs in NCP, CP and NWP are 63, 92 and 118, respectively. The deployment of field level veterinary service and extension staff, VSs and LDIs, in the Study area is presented in Table H 2.3 and 2.4 and summarised below.

No. of VSs and LDIs Posted in the Study Area

	Anuradhapura	Kurunegala	Nawagattegama *1	Galewela *2
VSs	11	10	1	1
LDIs	31	46	2	3

*1 Nawagattegama Division of Puttalam District

*2 Galewela Division of Matale District

The extension services of the PDAPHs are still focused on the provision of veterinary services and artificial insemination services, however, some extension services on livestock husbandry such as animal and poultry and distribution, farmer training and milk collection support programs have been introduced. Therefore, the duties of the divisional level livestock officers, Veterinary Surgeons (VSs), Senior Livestock Development Instructor (SLDIs) and Livestock Development Instructor (LDIs), include provision of veterinary services and artificial insemination services, execution of such support activities on livestock husbandry and organisation of livestock farmers.

The main extension target groups of the PDAPHs are small and large-scale livestock farmers. Among the divisional level livestock officers, the LDIs are the field extension agents, supervised by VSs or SLDIs, who have contact with farmers at village level. The LDIs are to report at ASCs every Wednesday and are supposed to collaborate with other field extension agents in order to take

integrated approaches to farmers problems or needs, although such occasions appear to be limited. On the other days, they are fielded and engage in their own duties mentioned above at village level. At villages, they have the collecting points at GN offices or elsewhere which are established to collect farmers demand for their services.

The regular training of LDIs and VSs is carried out through providing guidance at the time of periodical meeting held weekly to monthly at Veterinary Surgeon Divisions (VSDs) for LDIs and monthly meeting at the PDAPHs for VSs. The in-service training of those staffs is made in the form of training on special subjects held on need basis. The Integrated Farmer Training Centre established in 1994 at Nikaweratiya, NWP is the only training institution under PDAPHs in the Study area. The centre is staffed with Farm Manager, 1 Training Officer and 1 assistant. It has a classroom to accommodate 50 participants and demonstration farm of 40 ha, where buffalo, goat, milking cow and poultry husbandry and integrated farming system are demonstrated. Training activities in 1998 covered some 2,900 trainees. The Centre is poorly equipped without dormitory and transportation facilities.

The extension programs of PDAPH, NCP and NWP implemented in 1998 are shown in Table H 2.11. In both provinces, animal (goat and cow) distribution schemes and provision of veterinary services are the main stay of the programs. However, the types of the programs are diversified to a certain extent in both the provinces.

Major constraints for the execution of the mandate activities of the PDAPHs are;

- Activities in livestock husbandry sector are still restricted although some approaches toward the improvement of livestock husbandry have been taken by PDAPHs,
- Skills in livestock husbandry of most LDIs are limited because the veterinary services and artificial inseminations were the main stay of their extension services in the past,
- Poorly staffed compared to the target areas of extension services, and
- Poor logistic support for providing both on-station and mobile services.

(2) Inland Fisheries Sub-sector

The development and extension of inland fisheries in the Project related areas are mainly promoted by the newly established institution for the objectives, the NAQDA. The development and extension services of the Authority at district/divisional level are provided by the Aquaculture Extension Centres (AEC) and the Nachchaduwa and Periyakulama Schemes are located within the service areas of the AEC Anuradhapura and the Palukadawela and Mahananneriya Schemes and Cascade VII are in the service areas of the Nikaweratiya AEC service area. The AEC at Anuradhapura was established in 1997 and are staffed with seven technical staffs. However, the AEC in Nikaweratiya is yet to be established and currently only one field officer, Fisheries Inspector (FI) is posted at the Nikaweratiya DS office. The major activities of the AECs include distribution of fingerlings to tanks, supply of fishing net and fishing gears, promotion of development of fish ponds, farmer training and organisation of farmers. The extension activities of the AEC Anuradhapura appear to be established to a certain extent and it is implementing support programs of IFAD and ADB projects. The activities of the Fisheries Unit of NWP is focused to coastal fisheries and brackish water shrimp culture and the involvement in inland fisheries is still limited. The activity of the Fisheries Unit of CP is limited and that of NCP has practically no activity.

2.2.4 Other Institutions Involved in Agricultural Extension Services

Other major government institutions involved in agricultural extension services in the Study area include: 1) Department of Export Agriculture, 2) Coconut Cultivation Board (CCB), 3) Cashew Corporation and 4) Agricultural Development Authority (ADA). The extension activities of these institutions in the Study area are rather limited and their major extension services are provided through field activities of village level field officers. The deployment of field staff of the CCB, Cashew Corporation and ADA is shown in Table H 2.3 and 2.4.

The involvement of private companies in agricultural extension services is restricted to the fields of export horticulture crops, tobacco and milk production. The Ceylon Tobacco Company offers an effective package support services. Such support services include seed and farm input supply, technical extension services and procurement of products at farm gates. However, the services are directed to a narrow range of farmers under contract basis. In milk production, several processing firms provide support services in exchange of milk purchasing in the Study area. The support activities of other private companies are limited to an advisory role, generally provided in exchange of purchase of their products. Some NGOs have extension components in their activities, however, their extension coverage appears to be very limited.

2.2.5 Constraints in Agriculture Extension Sector

The constraints in the agriculture extension sector in the Study area are multitude. In addition, there appears to be a sort of confusion at field levels caused by the devolution of major parts of the sector, food and horticultural crops and livestock, to the provincial authority and by the involvement of multiple agencies in the sector. While, the past experiences under the SAEP indicate the difficulty in establishing integrated approach of plural agencies. The constraints of the sector include both institutional and technical constraints in nature and some of them are closely inter-related each other. The main constraints in the agricultural extension in the Study area are enumerated as follows;

- Co-ordination and collaboration between central and provincial institutions and among institutions involved in agricultural extension are still weak and integrated approaches of field level officers have not yet taken root. While, the past experiences indicate the difficulty in establishing integrated approach of plural agencies.
- Collaboration between DOA and PDOAs, and DAS in food crop extension activities are yet to be strengthened,
- Efficient extension system of food crops sector with the limited manpower resources and under participatory approach yet to be established. Farmer participatory approach has not been taken rooted and farmers attitudes still remain only as beneficiaries of programs,
- Research-extension linkage in the food crops sector is still weak, in particular, activities toward solving of local specific problems and new appropriate technologies to attract interest of farmers yet to be developed,
- Extension or supporting systems for enhancement of utilisation of resources in the livestock and fishery sector has not been established satisfactory. The extension system of livestock sector is still directed toward veterinary services and AIs and less emphasis is placed on livestock husbandry aspects,
- Extension and technical skills of extension staff yet to be improved,
- Insufficient deployment of extension staff at field levels,
- FAs who are expected to take roles of village level extension workers have very limited experiences and technical skills in extension,
- Logistic support of related institutions is still unsatisfactory established,
- Supervision and guidance by provincial and district level senior staff is limited, mostly attributed to the shortage of supervision and monitoring funds, and
- Poorly equipped or established extension institutions including training institutions.

2.3 Rural Banking and Credit

2.3.1 On-going Credit Schemes

The GOSL's rural credit sector policy of establishing a widespread rural banking network at the grass root level as a measure to make rural credit more accessible

to the rural people has been pursued by the Central Bank of Sri Lanka (CBSL). In recent years, this has been promoted through: 1) the formation of people-based micro-finance organisations, 2) encouragement of the private sector to set up development and savings bank, and 3) the establishment of Regional Development Banks (RDBs) on a province-basis under the restructuring and amalgamation of the district-based Regional Rural Development Banks (RRDBs). With the persuasion of the policy in the past, wide ranges of rural credit schemes have been introduced by the banking sector in the country as explained in Table H 2.12 and the terms and conditions of such schemes are shown in Table H 2.13. Major institutional credit facilities for rural based economic activities being operated in the Project Area are as discussed below.

(1) Schemes with CBSL Interest Subsidy

After the withdrawal from refinance scheme in 1994, the GOSL introduced the interest subsidy scheme in exchange. The current interest subsidy component is 10 % per annum, which was raised from 7.5 % per annum in 1997 with a view to increasing the flow of credit by lending institutions to the rural sector. The prevailing credit schemes under this category include the New Comprehensive Rural Credit Scheme (NCRCS) and the Self-employment Promotion through Micro-Enterprise Credit (Surathura Scheme) as explained in Table H 2.12. The NCRCS is a short-term loan and the Surathura Scheme is a medium-term loan. The terms and conditions of the scheme are as shown in Table H 2.13.

(2) Micro Finance and Savings Schemes

The micro finance and savings schemes widely operated in Sri Lanka include Samurudhi Development Credit Schemes, Thrift and Credit Co-operative Societies (TCCS) Credit Schemes and Sarvodaya Economic Enterprise Development Services (SEEDS). The features of the schemes are discussed in Table H 2.12.

(3) Foreign Funded Rural Credit Schemes

The CBSL has a function as the executing agency for credit schemes accommodated in foreign funded development projects. In such schemes, the Bank is responsible mainly for admitting PCIs, issuing Operating Instructions to PCIs, disbursing refinance to PCIs in respect of loans under the projects and monitoring and co-ordinating of loan schemes. The foreign funded credit scheme and the on-going projects in the Project Area which accommodate a credit component in their scopes include: 1) Small Farmers and the Landless Credit

Project (SFLCP, Isuru Project), 2) Second Perennial Crops Development Project (ADB), 3) North Central Province Rural Development Project (ADB), 4) North Central Province Participatory Rural Development Project (IFAD, SIDA & WFP). The list and some details of such projects are presented in Table H 2.12. Among the schemes in the list, the Isuru Project, an experimental micro-financing project, has been highly assessed as explained in the Table.

(4) Farmers Bank Scheme of DAS

With the Agricultural Trust Fund (AFD) administered by the MOAL, the DAS introduced "Farmer Bank" Scheme in pilot scale in 1995. Under the scheme, the fund supplied by the AFD is provided to Agrarian Services Committee through the DAS as a short-term loan and the Committee sub-lends cultivation loans to the members (shareholders) of "Farmer Bank", a sort of credit society, under group loan arrangement through FOs. The scheme is operated by the Productivity Development and Marketing Division of DAS at the central level and by the "Farmer Bank" office of the Committee at the ASC level under the supervision of The member of FOs is eligible to become a member of the Bank and to DO. become a member of the Bank they have to buy a share of the Bank at par value of The funds supplied by the AFD are to be distributed for the expansion Rs. 100. of the scheme under the revolving arrangement. Within the ASCs in the Study area, 9 ASCs out of 24 in Anuradhapura, 19 ASCs out of 34 in Kurunegala and ASC Nawagattegama in Putttalam have such Banks. The overall progress of the scheme in the country as of May 31 1999 is reported as follows;

Season	No. of FOs	No. of Farmers	Acreage (ha)	Credit Amount(Rs.000)
1998/99 Maha Crops	26	747	2,059	5,377
1999 Yala Crops	387	2,980	4,383	12,099
Total	413	3,727	6,442	17,476

Progress of "Farmer Bank" Scheme; Beneficiary, Area Covered & Credit Amount *1

*1 As of May 31, 1999

Source: DAS office file

2.3.2 Credit Institutions

The rural credit facilities in the Study area are operated by the three categories of institutions, the formal institutions, semi-formal institutions and informal institutions.

(1) Formal Institutions

A number of institutions are involved in the delivery of formal credit in the Study area. The major credit institutions include the Central Bank of Sri Lanka (CBSL), the Central Bank of Ceylon (CB), People's Bank (PB) Wayamba Development Banks (WDB) in NWP and Raja Rata Development Bank in NCP as explained in Table H 2.14. The credit schemes operated by the Rural Credit Department of the CBSL are listed in Table H 2.15.

(2) Semi-formal and Non-formal Institutions

The major credit institutions in the Study area categorised under the semi-formal and non-formal sectors include Thrift and Credit Co-operative Societies (TCCS), NGOs involved in the credit operation and non-formal institutions such as pawning shops, professional and semi-professional money lenders and etc as explained in Table H 2.14.

2.3.3 Constraints in Agricultural Credits

The constraints of the sector for pursuing the government policy of establishing a widespread rural banking network at the grass root level as a measure to make rural credit more accessible to the rural people, especially to the rural poor such as smallholders, the landless, the unemployed and women headed families, are multitude and the credit coverage on the agricultural sector, especially on cultivation loans, is extremely limited to the national small-scale farming population. Such constraints include constraints faced by the lending institutions and constraints experienced by borrowers or farmers as follows;

Constraints Faced by Lending Institutions

- High administration/transaction costs involved in maintaining a large portfolio of small loans,
- Lending institutions generally do not possess sufficient knowledge of local communities,
- Generally, such customers (smallholders and others) are not familiar with the lending and recovery procedures adopted by banks, have not a credit discipline and misuse loans provided by banks, and can not provide collateral which lending banks insist on
- Existence of substantial number of defaulters of the past credit services in the rural community, and
- Existence of wilful defaulters who may be waiting for the loan forgiveness by the government.

Constraints Experienced by Borrowers

- Not familiar with the lending and recovery procedures adopted by banks,
- High transaction costs involved in receiving loans, such as transportation costs to town branch, documentation, time required to prepare necessary documents, repeated visits to

banks etc.

- Lack of collateral or security demanded by banks,
- Fail to suffice eligibility criteria set by banks,
- Supplemental security insisted by bank such as issuance of crop insurance,
- Unstable market prices of farm products and crop failure, and
- Still limited distribution of bank branches.

The Isuru Project discussed in the section 2.3.1 was a pilot scheme that addressed such constraints through the credit plus approach and achieved the remarkable success.

2.4 Seed Production and Distribution

2.4.1 National Seed Policy

In the National Policy Framework (NPF) prepared by the MOAL in 1995, the provision of the high quality seed and planting material was one of the sectors given the utmost priority in the national agricultural policy. Recognising the problems faced by the paddy seed sector, the government declared the National Seed Policy (NSP) in March 1997 in order to make quality seed available to farmers. In NSP, the gradual withdrawal of the government agencies from the seed production sector and the privatisation of it are aimed at. Under the new policy, the DOA is mandated to provide necessary support to the private sector, to co-ordinate the seed production process and to satisfy the requirement for the basic seed. The NSP also provides guidelines to encourage private sector participation in supplying country's demand for quality seed. The Seed Certification and Plant Protection Centre (SCPPC) is the institution responsible for the execution of the policy within the DOA and functions as a secretariat for the National Seeds and Planting Material Committee (NSPMC), which was established as a committee to review the seed policy issues. The Seed Act for regulating seed policy issues will be promulgated in 2000 and bring about further changes in the seed sector of the country.

2.4.2 Seed Production and Certification

In the seed production and distribution system in the country, the research institutions has been responsible for developing new seed and plant varieties and the Seed and Planting Material Development Office (SPMDO) of the SCPPC has the responsibility for multiplication, processing and distribution of them. The production of seeds in Sri Lanka is performed by both the public and private sectors. The paddy and OFC seed production by the public sectors is carried out

by the seed farms of the DOA, the Mahaweli Authority and the PCs and by the seed growers such as Farmers Organisations (FOs) and individual farmers contracted with the government farms. Currently, 17 Government Seed Farms are operated by the SPMDO as shown in Figure H 2.7. In the Study area, there are two Government Seed Farms, one in Maha Illupallama, Anuradhapura district and the other in Nikaweratiya, Kurunegala district, and two provincial seed farms of the PDOA, NWP are operated at Galgamuwa and Wariyapola. In addition, the new seed-processing unit was recently established at the RRDI, Batalegoda, Kurunegala district.

The seed producers in the private sector include co-operatives, private companies, FOs and individual farmers. Among the contracted seed growers and the private sector seed producers, the contribution of FOs to paddy seed production is remarkable. The participation of FOs in paddy seed production is one of promotion areas of the DAS. The paddy seed supply by FOs and their members participated in the 5-acre seed farm program is reported to be 2,200t in 1997. The introduction of seed production is also encouraged through extension programs of PDOA.

Since the introduction of the NSP, the seed production shares of the public sector have gradually decreased. The paddy seed produced in 1997 by the public sector was some 5,600t or 53 % of the total production in the country. The paddy seed production by the private sector in the year accounted for 47 % or 5,000t as shown in Table H 2.16 and 2.17 and summarised in the following table.

	Foundation of Sector, 1997						
	Paddy		OFC	Vegetables			
	Volume (t)	Share (%)	Volume (t)	Volume (t)			
Public Sector *1	5,622	53	171	28.4			
Private Sector	5,000	47	n.a	n.a			
Total	10,622	100	-	-			

Production of Seeds by Sector, 1997

*1: Include seed production by contract grower Source: Administration Report 1997, DOA

According to the SCPPC, the total production volume in 1997 only suffice 7 to 8 % of the national potential requirements for paddy seed. The production of OFC seed and vegetable seed by the public sector in the year was only 171t and 28.4 t, respectively. The SCPPC estimates that the seed production share of the public sector is about 95 % for OFC and 50 % for vegetable seeds. In case of OFC, the public sector still dominates seed production. The private sector has less interest in OFC seed production because of low returns from most of OFC seed production compared to those from vegetable seeds, especially exotic

vegetables, and seed potato are mostly met by import.

The production of planting materials of horticulture crops by the public sector is a mandate of HORD and the number of planting materials issued in 1997 was some 330,000. Similarly, the same of the minor export crops is undertaken by DEA and it issued 7 million materials (including citronella) from its nurseries in 1998.

Another important function of the SCPPC is the seed certification services for maintaining seed quality, which are rendered throughout the country by its 15 Seed Certification Stations. The seed certification system of it covers the seed production of both the public and private sectors. The services consist of field inspection in seed producing fields and laboratory test. In case of paddy, the field inspection is carried out for three times during a growing period, at the time of vegetative growth stage, at maturing stage and at harvesting time. Similarly, three field inspections are made for OFC and vegetable seed production. After harvest, sample seeds are sent to the Stations for laboratory test are issued as certified seeds.

2.4.3 Seed Distribution

The prevailing seed distribution systems of paddy, OFC and vegetables in the country are shown in Figure H 2.7. The paddy seeds produced by the public sector are usually distributed through the ASCs or directly to farmers. OFC seeds of this public sector are delivered to the Government Seed Farms and usually distributed to the ASCs or directly the end users. In case of vegetables, seeds are processed at the Seed Processing Centres at Kundasale and Gannoruwa, and delivered and packaged at the Seed Store at Gannoruwa. Then vegetable seeds are usually distributed to farmers through private dealers. The distributed to the end users through private dealers. In case of planting materials such as seed potato are generally distributed through private dealers.

2.4.4 Weakness of the Sector

Regardless of the government efforts by establishing the privatisation as its main policy pillar, the report and findings in the fields indicate that the seed sector in the country still has weakness and it fails to meet the requirements for quality seed and planting materials of the farming community. The weakness appears to exist in both the production and distribution system as follows;

- Production capacities of paddy seed at present can only supply about 7 to 8 % of the

national potential seed requirements. The SCPPC has the immediate target of 15 % coverage of the national requirements to be achieved in 2 to 3 years. In its efforts toward privatisation, the Centre places the first priority on farmer companies followed by co-operatives and individual farmers,

- The poor cost-effectiveness of government seed farms and processing which call for the privatisation of the sector,
- The private participation in seed production is still limited and there appears to be rooms for the improvement in the present seed policy for privatisation. The new Seed Act under preparation would addresses this issue to further encourage the private sector involvement,
- Existence of seed registration barriers for the release of new imported varieties, which demands time-consuming procedures for testing and quarantine clearance of new varieties prior to be admitted in the recommended list of DOA,
- The efficiency in laboratory test of seed materials sometimes adversely affects seed production programs by the extension agencies. The substantial time required for the test retards immediate distribution of seed produced under the programs for the next crops, and
- Failure in timely distribution of seed materials at field level is commonly reported by farmers and extension personnel. There exist several causes for the failure such as shortage of supply and financial reasons, but the problem may partly be attributed to the lack of seed depots at village level.

2.5 Social Support Activities

A number of agencies, both governmental and non-governmental are involved in providing social and economic support services to those living in the study area. Attention is especially focussed on the poor. Among the various programs that are being implemented the most noteworthy is the Samurdhi Program, introduced in 1995.

The Samurdhi Program, which is the successor to the Janasaviya Program of the previous government, aims to reduce the problems of the under-privileged. It provides benefits to uplift their economic and social conditions and to address the problem of unemployment. Almost all social-benefit schemes operated by different government institutions have been brought under the Samurdhi program. Within the study area, as in other parts of the country, the program is being implemented by the district Samurdhi offices at District Secretariats and divisional Samurdhi offices at the Divisional Secretariats. Samurdhi Animators have been appointed in each of the Grama Niladari Divisions to carry out programs identified under the Samurdhi program at village level.

The program deals with a wide array of activities. During the four years of its operation it has changed from a simple income transfer scheme to a comprehensive program which involves banking, insurance, savings, training, infrastructure development and the generation of self-employment opportunities. These activities are being carried out through, for instance, the Samurdhi Social Security Fund, helping beneficiaries to meet urgent social obligations; the Samurdhi Janatha Project, which aims to create employment opportunities in the agriculture sector; the Rural Community Projects Program, which provides small scale infrastructure facilities; and the Samurdhi Banking Societies.

The development of community organisations and human resources are two of the main activities of the Samurdhi Authority. Samurdhi beneficiaries who receive Rs.1,000 and Rs.500 per month are required to save Rs.200 and Rs.100 respectively under a Compulsory Savings Scheme. Further, under a Voluntary Savings Scheme, Samurdhi beneficiaries are motivated to save through small groups at grassroots level. Around 50 to 60 percent of the families in the study area benefit under this program.

Small-scale rural infrastructure facilities for the benefit of low-income groups are provided under the Rural Community Projects Programs. Necessary capital funds and marketing facilities to set up small industries, with a view to improving income levels are provided through the Small Industry Development Program. Samurdhi Banking Societies are also being set up to educate the poor on banking practices, promote savings among them, improve income levels through increased investments and strengthen the production capacity by providing the necessary support services.

A large number of community development projects are also being implemented for the benefit of the community. These include the construction of roads, irrigation and water resources development projects and the provision of general amenities.

In addition to the Samurdhi Program, the Social Services Departments of the Divisional Secretariats also implement various social service activities. Providing financial assistance to those suffering from terminal illnesses; wheelchairs, tricycles, hearing aids and lenses to the physically handicapped; construction of homes for the aged and schools for the deaf, dumb and the blind; and rehabilitating and integrating the physically handicapped into society are some of the main activities. The Divisional Secretariats also implement environmental programs such as, soil and forest conservation programs, tree planting and conducting environmental awareness programs.

The National Youth Services Council also makes its contribution by setting up Youth Clubs, providing training in fields such as, second language, shorthand and typewriting, sewing and dressmaking and other job oriented subjects. It also promotes sports and assists youth who receive training to find employment.

The Women's Bureau of Sri Lanka is also involved in a number of activities in the study area. In addition to conducting various training programs in areas such as, entrepreneurship development, health and sanitation and leadership, it also provides financial assistance to small farmers and the landless peasantry through the 'Isuru Loan' program. In implementing this latter program it works in collaboration with the Rural Development Bank, Sanasa, Sarvodaya, Mahila Samithi and CARE. It also implements environmental awareness and development programs.

A large number of non-governmental agencies are also involved in providing social support services. In addition to their operating with other governmental agencies, they also operate independently to provide specialised services. Sarvodaya provides financial assistance through the Sarvodaya Bank to its members and also conducts entrepreneurship and business training programs. Sanasa, on the other hand concentrates more in operating as a rural bank. South Asia Partnership of Sri Lanka operates a unique 'Cluster' development program, where two or more villages in close proximity, with common socio-cultural and economic affinities, collectively implement comprehensive development programs. It also operates a revolving loan fund and a credit and enterprise development scheme. It is interesting to note that 40% of the entrepreneurs are women.

In addition to the above governmental and non-governmental agencies there are many more that operate within the study area, but are limited in scope both in area and activity, therefore are not included in this discussion. It has also to be noted that the larger donor funded development projects operating within the study area also have social support activity components built into their programs. These have been discussed elsewhere in this report.

Chapter 3 PROPOSED PLANS FOR STRENGTHENING OF AGRICULTURAL SUPPORT SURVICES

3.1 Constraints and Need for Strengthening of Agricultural Support Services

The problems and constraints in the present agricultural supporting services covering the fields of agricultural research, agricultural extension, agricultural credit and seed production and distribution as well as the weakness in farmers/ FOs supporting institutions and the problems with the institutional issues have been discussed in detail in the preceding Chapters. In addition, the constraints for the agricultural development in the Study area are discussed in Appendix C. Among such constraints, the major constraints to be accessed for the attainment of the primary project objectives of the potential realisation of irrigated agriculture in the area are summarised as follow;

Crop Sub-sector

- Stagnant productivity of paddy and low cropping intensity in irrigated area
- Unstable OFC production and limitation in crop diversification
- Crop losses due to pests, diseases and weed infestation
- Increased production costs

Livestock Sub-sector

- Poor extension activities/coverage in animal husbandry and poor logistic support

Inland Fishery Sub-sector

- Insufficient extension activities/coverage and technical skills of extension staff
- Poor logistic support

Agricultural Support Services Sub-sector (Agricultural Research)

- Wide gaps between research and farm yields
- Lack of site specific technologies attractive to farmers
- Poor establishment of research-extension-farmers linkage

Agricultural Support Services Sub-sector (Agricultural Extension)

- Insufficient extension services for realisation of potential of irrigated agriculture
- Weakly established co-ordination & collaboration among institutions
- Extension system within capability of current manpower resources yet to be established
- Farmer participatory approaches yet to be established
- Insufficient deployment of extension staff
- ADPAs, expected to take important roles in extension, limited in experiences and skills
- Supervision and guidance by provincial and district level senior staff limited

- Poor logistic support and poorly equipped or established training institutions

Agricultural Support Services Sub-sector (Seed Supply)

- Insufficient supply of quality seed & planting materials, failure in timely distribution
- Government & private seed supply capacity failing to meet demand
- Poorly established provincial seed farm for production of fruit planting materials

Agricultural Support Services Sub-sector (Agricultural Credit)

- Insufficient coverage of agricultural credits
- High transaction costs & cumbersome procedures
- Difficulties in meeting credit eligibility criteria set by banks

Farmers/FOs Support Institutions & Facilities

- Poorly established or lack of facilities/equipment and poor logistic support
- Inadequate technical skills of extension staff

Institutional Issues

- Involvement of multitude of institutions in development
- Weakly established co-ordination & collaboration among institutions

With the primary objectives of the potential realisation of irrigated agriculture in the Study area, the major agricultural development components in the agricultural development plan under the present Study include: 1) improvement of crop productivity and cropping intensity, 2) promotion of crop diversification, and 3) income generation through the promotion of livestock, inland fishery and fruit production. For the materialisation of the envisaged development of the agriculture sector, the approaches in which the said problems and constraints are duly addressed, in a synchronised manner with the development efforts of other sectors including irrigation and farmers organisation, through the improvement and strengthening of the agricultural support services will be essential.

3.2 Approaches for Formulation of Strengthening Plans

The constraints or weakness in the agricultural sector and agricultural support services identified in the present Study and the proposed agricultural development and income generation plans of the Master Plan dictate that the fields to be addressed for the strengthening of agricultural support services should include: 1) crop sub-sector, 2) livestock sub-sector, 3) inland fisheries sub-sector, 4) farmers/FOs support institutions and facilities, and 5) management system and institutional set-up for the agricultural support services.

The basic approaches established for the formulation of strengthening plans of agricultural support services under the Master Plan are comprehensive studies on:

- a) Investigation on current status of the fields,
- b) Identification of constraints or problems in agriculture development and agricultural support services,
- c) Identification of needs for support programs,
- d) Establishing priority areas to be addressed under the Master Plan,
- e) Formulation of agricultural support programs, and
- f) Formulation of implementation schedules of support programs and annual and overall work programs (AWP/OWP) by scheme and by agency as illustrated in Figure H 3.1.

In the formulation of the present strengthening plans for agricultural support services or support programs, the special emphasis has been placed on the crop sub-sector, as the sub-sector is the primary economic activity in the Study area and is the target area of the proposed agricultural development plan for the potential realisation of irrigated agriculture. The support programs on other sectors/sub-sectors have been formulated within the scope of supporting the income. Further, the primary target areas for the formulation of strengthening plans are set to be the irrigated command areas of the target 100 schemes of the aster Plan as the agricultural development plans under the Study are targeted for the command areas of the schemes. The approaches employed for the formulation of support programs in the individual sectors or sub-sectors are shown in Figure H 3.2.

In the present Study, the constraints or problems, development needs and needs for support programs have been studied and identified through field surveys, discussion with the extension agencies of support services, case study on the past agricultural support projects or programs, Questionnaire Survey on 1,500 sample farmers of the 100 target schemes, Inventory Survey on the schemes and RRA on the 100 villages in the same. The findings on the status of agricultural support services are discussed in the preceding chapter and those on the present agricultural conditions are in Appendix C. The constraints and needs for support programs on the crop sub-sector identified by the extension agencies are presented in Table H 3.1. The results of the Questionnaire Survey, Inventory Survey and RRA are presented in detail in Appendix B and summarised in Table H 3.2.

3.3 Areas to be Addressed and Support Programs for Agricultural Development

3.3.1 Proposed Areas to be Addressed

As recognised from the constraints and needs for support services in the crop subsector and the proposed agricultural development plan, the strengthening of support services for agricultural development in the sub-sector under the Master Plan should cover, in an integrated manner, the components of: i) agricultural support programs covering the fields of agricultural research, agricultural extension, seed and planting materials supply, agricultural credit, logistic support and staff training, agricultural support facilities, ii) farmers/FOs support institution and facilities, and iii) institutional issues. The proposed areas to be addressed, target areas and program categories/approaches, for the formulation of support programs, established in accordance with the basic approaches are shown in Table H 3.3 and discussed in the following sections.

(1) Agricultural Research

The urgent needs in agricultural research, for the agricultural development in the country, are the identification of causes for the gaps between research and farm yields in major food crops and the development of effective programs of adaptive research and extension services designed to reduce these gaps. The target areas in the formulation of agricultural research programs is, therefore, the strengthening of the adaptive research or field oriented trials on food crops, which should be done under close collaboration of research and extension.

(2) Agricultural Extension

On the basis of the lessons learnt from the SAEP and the past experiences of the extension agencies as well as the constraints and needs in the agricultural extension in the Study area, the proposed approaches for formulation of support programs is established from technical and institutional aspects as follows:

Technical Approaches

- To formulate extension programs to support the realisation of the targets set in the agriculture development plan,
- Introduction of integrated or packaged approach for program formulation,
- Needs for farmer training and guidance to be duly addressed, and
- Strengthening of logistic support and staff training.

Institutional Approaches

- Strengthening of agriculture extension is to be aimed at within the present policy and institutional framework,
- Enhancement of farmers accountability or contribution to extension services as well as the institutionalisation of their participation in extension activities from the planning stage, and
- Strengthening guidance and supervision by senior staffs to be addressed.

In accordance with these approaches, the areas to be addressed in the

agricultural extension should be:

Technical Issues

- Strengthening extension services within the capability of extension agencies,
- Formulation of packaged programs or integrated program implementation,
- Formulation of programs institutionalising farmers' participation in extension; farmer to farmer extension,
- Farmer training and guidance programs on need basis,
- Field-oriented trials on food crops in co-operation with the research agencies and activation of research-extension-farmer linkage, and
- Logistic support strengthening programs and staff training.

Institutional Issues

- Management system and institutional set-up for planning and implementation of support programs in the crop sub-sector,
- Institutionalisation, in the management system, of participation of farmers in the planning process of extension programs,
- Strengthening of co-operation and collaboration between the PDOA/IPEU and DAS for ensuring involvement of FAs/APDAs in extension activities, and
- Allocation of costs for supervision/monitoring/co-ordination activities.

(3) Seed Production and Supply

From the findings on the constraints for seed production and distribution stated in the previous section and the results of agronomic study, the importance of a stable seed supply for the potential realisation of irrigated agriculture has been recognised in the present Study. The proposed areas to be addressed under the program for the improvement of seed supply should be:

- Promotion and expansion of seed production programs involving FOs or farmer groups aiming at establishing seed production and supply system within a village or scheme.

(4) Agricultural Credit

The primary constraint of the sector in the Study area is the limitation of coverage of cultivation loans because of the multiple weaknesses of the current agricultural credit system as discussed in the preceding chapter. However, the results of the Questionnaire Survey indicate that the potential demand for cultivation loans is high, especially in minor schemes. The experiences of the Isuru Project indicate that the key to success in a credit program is a group loan and "credit plus" approach. The area to be addressed is: 1) provision of a short term cultivation loans under group loan arrangement with farmer groups or FOs, integrated with or

supported by agricultural extension programs and supporting activities for the strengthening of farmer organisations and 2) provision of medium term credit for procurement of farm machinery or facilities under group loan arrangement with farmer groups or FOs. The administration of the agricultural credit programs should be by the project management organisation to be established under the Project in collaboration with the DAS or banks.

(5) Agricultural Support Facilities

The strengthening of the agricultural support facilities in the Study area is essential to expand training capacity in the area to meet future increasing requirements for training under the Master Plan. The support programs for the poorly established In-service Training Institute, Maha Illuppalluma should be accommodated in the Plan. The areas to be addressed are the upgrading of facilities for improvement of training efficiency and coverage of the institutions.

(6) Logistic Support and Staff Training

The poor logistic support and inadequate technical skills of extension staff will continue to exist as constraints in the extension activities, and will present problems for the implementation of the proposed support programs under the Master Plan, if such weaknesses are not duly addressed. The support programs of the Master Plan should accommodate strengthening of logistic support and staff training.

(7) Farmers/FOs Support Institutions and Facilities

The enhancement of the capability of the farmers/FOs supporting institution, ASC, and the establishment of farmers/FOs supporting facilities at the GN division level will be an essential approach to be taken to support the strengthening of FOs focussed on by the Master Plan. The proposed areas to be addressed for the sector are: 1) establishment of Farmer Centres for FOs at project related GN divisions, 2) logistic support strengthening program for project related DASs and ASCs, and 3) training of the Divisional Officers (DOs) and FA/ADPAs. Among the programs, the training of FAs/ADPAs who are expected to play important roles in village level extension activities in the future should be implemented periodically and intensively. In addition, the enhancement of their technical and extension skills should be envisaged through on-the-job training by working jointly with field extension staff, especially with AIs.

3.3.2 Proposed Support Programs for Agricultural Development

(1) Element Programs and Package Programs

The support programs in the crop sub-sector should be implemented as a package program or in an integrated manner to ensure the multiplied impacts of individual element programs and to materialise the efficient inputs of activities of limited extension staffs. In the present study, the formulation of package programs and the integration of support programs are aimed at introducing knowledge-based technology and material technology in an integrated manner for ensuring the adoption of recommended farming practices in a large scale. The approaches applied for the formulation of package programs are illustrated in Figure H 3.3.

(2) Proposed Support Programs and the Need for Support Programs by Schemes

The proposed support programs in the crop sub-sector formulated in accordance with the approaches discussed in the previous sections total 22 as shown in Table H 3.4 and as summarised below.

110	sed Support Frograms under the Froject	-
Agricultu	ral Support Program	Implementation
- Field Programs	1. Adaptive trials	Implemented
	2. Small-scale demonstration program	by scheme
	3. Cropping pattern demonstration prog.	
	4. Large-scale demonstration program	
	5. Productivity increase program	
	6. IPM	
- Farmer Training Program	1. Induction farmer training	Implemented
	2. Induction farmer guidance	by scheme
	3. Farmer training	
	4. Workshop/mass guidance	
	5. Campaign	
	6. Study tour	
- Seed Production Program	1. Seed production prog. (paddy/ OFC)	By scheme
- Agricultural Credit Program	1. Cultivation loan with revolving funds	Implemented
	2. Medium term credit program	by scheme
- Institutional Strengthening	1. Logistic support strengthening prog.	Implemented
Program	2. Staff training program	by project, province
	3. Institutional strengthening	or district basis
	4. Upgrading ISTI, Maha Illuppallama	
Strengthening of Farmers/	FOs Support Institutions & Facilities	
1.Establishment of "Farmer	2.AS Center strengthening program	Implemented
3.Institutional strengthening pr	ogram	by district

Proposed Support Programs under the Project

Note: Implementation by scheme: programs implemented by scheme basis; by Project: programs implemented by project, province or district basis; Establishment of "Farmer Center" be implemented by scheme basis

Among the programs, the institutional strengthening program and the farmers/FOs support institutions/facilities except for establishment of "Farmer Center" are implemented by the Project, province or district basis. The need for support programs by schemes identified on the basis of the constraints, support program requirements responded in the questionnaire survey, RRA survey and inventory survey and the proposed agricultural development plans in the target schemes are shown in Table H 3.5.

3.4 Proposed Areas to be Addressed and Support Programs for Income Generation

The areas to be adressed for supporting the agricultural related income generation plans should include the followings as dictated by the programs accommodated in the plans and the weakness of the related sectors of crop sub-sector (planting material supply), livestock sub-sector and inland fisheries sub-sector.

(1) Crop Sub-sector

The area to be addressed and a support program to ensure the supply of quality fruit planting materials required for the development activities proposed under the income generation plan and to improve technical skills of the private sector in seedling production is the upgrading of the Provincial Seed Farm at Galugamuwa, and to improve technical skills of the private sector in seedling production.

(2) Livestock Sub-sector

To meet the development needs of the sub-sector for the enhancement of income generation, the strengthening of extension services of the PDAPH should be envisaged under the Master Plan. The proposed areas to be addressed and support programs are: 1) upgrading of Integrated Farmer Training Centre (IFTC), Nikaweratiya, and 2) logistic support strengthening program; for the improvement of extension coverage and efficiency. The descriptions of the support programs are presented in Table H 3.4.

(2) Inland Fisheries Sub-sector

The institution for the development of inland fisheries, the NAQDA, was only recently established and its extension capacity appears to be still limited in the Study area. The potential realisation of water resources for inland fisheries, therefore, should be promoted on a pilot basis and the expansion of the sub-sector is to be envisaged in accordance with the establishment process of the Authority. To support the establishment of the extension activities of the NAQDA, the proposed program is the establishment of the Aqua-cultural Extension Centre in Kurunegala and Anuradhapura Districts and the strengthening of logistic support of the Centres. The descriptions of the support programs are presented in Table H 3.4.

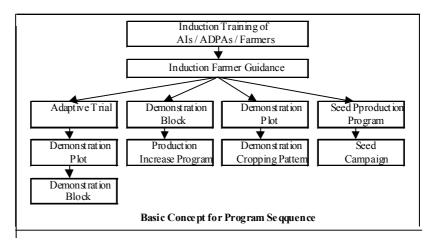
3.5 Annual and Overall Work Program for Support Programs

3.5.1 Formulation of Implementation Schedules in Crop Sub-sector

The implementation schedules of the support programs in the crop sub-sector for the agricultural development have been formulated taking into account the implementation schedules of the irrigation work of individual schemes and supporting activities of irrigation and farmer organisation sectors and on the basis of the following approaches or assumptions.

Basic Program Sequence

The adequate sequence of implementation of support programs and the integration of the same will differ, depending on the stage of advancement in target crop production in a target scheme or area. However, as a basic tool for the formulation of the implementation schedule, and to ensure the adoption of relevant logistic approach for the same, the basic program sequence has been introduced in the present Study. The following figure is an example of such sequence. Similarly, the conceptual framework for integration of program implementation taken into consideration in the formulation is illustrated in Figure H 3.3.



Need for Support Programs by Schemes

The need for support programs by schemes as shown in Table H 3.5, which

were identified on the basis of the constraints, support program requirements responded in the questionnaire survey, the RRA survey, and the inventory survey, proposed agricultural development plans in individual target schemes, are to be duly taken into consideration in the formulation.

Criteria for Program Requirements & Seasonal Program Volume

The program requirements or program volumes in individual schemes are basically estimated in accordance with the criteria for the estimation of program requirements shown in Table H 3.6. While, the seasonal maximum field programs per scheme are estimated on the basis of the estimated number of field extension staff (AI) assigned to individual schemes and their capability in implementing the programs as assumed below.

Capability of AI to Implement Field Programs/Season

AIs of IPEU	AIs of PDOA
6 – 8 programs/season	3 – 4 programs/season
Note: Assuming AIs of IPEU are fully ass	igned to project schemes & AIs of

PDOA are partly assigned (half of working days) to project schemes

Implementation Agencies

In accordance with the current arrangement in the extension services, the supporting programs in Nachchaduwa, Nuwarawewa, Tissawewa, Rajangana and Thuruwila schemes are implemented by IPEU. The same in schemes located in NCP, CP and NWP and is by PDOA, NCP and PDOA, CP and PDOA, NWP, respectively. The agricultural credit programs are to be administered by the project management organisation to be established under the Project.

Formulation of Implementation Schedules

The overall implementation schedules for the support programs have been formulated for a period of three to six years depending on the size of the schemes, the schedules of irrigation works and the current status of crop production in the project schemes. The implementation of the support programs is scheduled to start simultaneously with or prior to the commencement of the implementation of the construction works aiming at the earlier expansion of extension coverage. The formulation of the implementation schedules has been made through the comprehensive study on the program requirements by scheme, the said approaches and assumptions in the previous paragraphs, the schedules of irrigation works and the implementation schedules of the support activities of the irrigation and farmer organisation sectors.

3.5.2 Implementation Schedules of Other Sectors/Sub-sectors

The implementation schedules of the support programs in other sectors or subsectors have been formulated taking into account of the implementation schedules of income generation plans, irrigation works, crop sub-sector support programs and other implementation schedules of the Master Plan.

3.5.3 Annual and Overall Work Program Estimated Program Costs

The implementation schedules of the support programs by scheme and by project, province or district formulated in accordance with the procedures in the previous section and the annual program costs for the programs estimated on the basis of the unit program costs presented in Table H 3.4 are formulated into the annual work program (AWP) and the overall work program (OWP), which, therefore, present the annual and overall implementation schedules and the annual and overall cost schedules of the all the support programs proposed under the Master Plan, as shown in Tables H 3.7 to 3.9.

The AWP and the OWP of the agricultural support programs in the crop subsector by individual schemes are presented in Table H 3.7. The AWP and OWP of the same of all the schemes covered by the IPEU and the PDOA of NCP, CP and NWP are summarised respectively in Table H 3.8. The AWP and the OWP of the support programs implemented by project, province or district basis and the same implemented by scheme for the overall project are shown in Table H 3.9.

The summary table of the overall program costs is presented in Table H 3.10. Similarly, the program costs by implementation agency is summarised in Table H 3.11. As shown in Table H 3.10, the overall costs for all the support programs under the Master Plan are estimated at Rs. 562.7 million. The overall program costs by program category and sub-sector are summarised as follows;

		·
Program Category / Sub-sector	Estimated Costs	Proportion (%)
Agricultural Support Programs	261.1	46.4
Farmers/FOs Supporting Institutions/Facilities	265.5	47.2
Support Programs for Income Generation	36.1	6.4
- Crop Sub-sector	11.1	-
- Livestock Sub-sector	18.1	-
- Inland Fishery Sub-sector	6.1	-
Total	562.7	100.0

Estimated Support Program Costs (Unit: Rs. Million)

The agricultural support programs and the strengthening of farmers/FOs supporting institutions/facilities account for 46 - 47 % of the total support program costs as shown in the table.

The program costs by the implementation agencies are estimated as shown in Table H 3.11 and summarised in the following table.

	11 8 2	8 7
Implementation Agency	Estimated Costs (Rs. Million)	Proportion (%)
IPEU	35.2	6.2
PDOA, NCP	25.7	4.6
PDOA, CP	0.9	0.2
PDOA, NWP	42.0	7.5
DAS, Anuradhapura	137.5	24.4
DAS, Kurunegala	101.9	18.1
DAS, Matale	9.2	1.6
PDAPH, NCP	4.8	0.9
PDAPH, NWP	14.0	2.5
NAQDA	6.1	1.1
PMU 1/	185.4	32.9
Total	562.7	100.0

Estimated Support Program Costs by Agency

PMU (Project Management Unit)

3.6 Proposed Management System and Institutional Set-up for Agricultural Support Services

(1) Concept for Establishment of Management System and Institutional Set-up

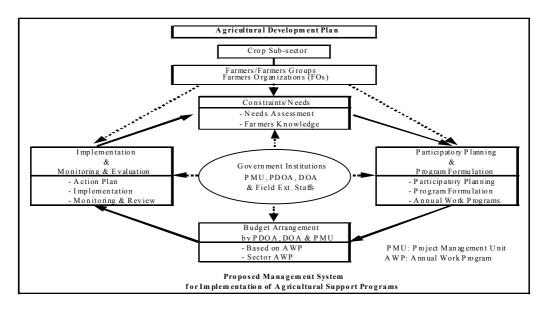
The concepts for the establishment of the management system and the institutional set-up for the planning, implementation and monitoring & evaluation of the agricultural support programs under the Project are:

- Management of the planning and implementation of the agricultural support programs is to be performed under the rolling plan concept, in which the Annual Work Program (AWP), annual implementation schedule and annual cost schedule, of the individual project scheme is to be reviewed and updated annually on the basis of the lesson learnt from the implementation of the programs in a preceding year and the participatory approach for their planning,
- Strengthening of agriculture extension services in the crop sub-sector is to be aimed at within the present policy and institutional framework and through the strengthening of co-operation and collaboration between the IPEU/PDOAs and the DAS,
- Promotion of farmers contribution in extension and institutionalisation of their participation in extension activities from planning stage,
- Strengthening of research-extension-farmer linkage is to be sought within the program implementation, and
- Management of support programs of sub-sectors other than the crop subsector should be executed under the present system and under the

supervision of the project management body as the programs in such areas are limited in scale.

(2) Proposed Management System

On the basis of the said concepts, the overall management system for the implementation of agricultural support programs under the Project and the same for the crop sub-sector are proposed as shown in Figure H 3.4 and 3.5, respectively. The proposed management system consists of four basic actions of: 1) identification of constraints and needs, 2) participatory planning & program formulation (review & updating of AWP), 3) budget arrangement and 4) program implementation and monitoring & evaluation as shown in the following figure.



The basic time framework for planning and implementation of the agricultural support programs under the Project will be as shown in Table H 3.12, which indicates the sequence of: 1) workshop for annual program formulation, 2) program formulation, 3) preparation of AWP, 4) budget arrangement, 5) preparation of action plan and 6) program implementation.

(3) Proposed Institutional Set-up for implementation of Agricultural Support Programs

The institutional set-up for the implementation of the crop sub-sector support programs proposed in accordance with the present institutional set-up of the PDOAs and IPEU is shown in Figure H 3.6. The PDOA, NCP and IPEU, Anuradhapura are the extension agencies responsible for the implementation of crop sub-sector support programs in NCP. The PDOA, NWP is the agency for the programs in NWP as shown in the Figure. The overall agricultural extension network including the institutional set-up in the Project will be established as shown in Figure H 3.7.

(4) Proposed Extension System and Research-Extension-Farmers Linkage in Crop Sub-sector

The extension system and research-extension-farmers linkage in the crop subsector similar to the currently established system should be established as shown in Figure H 3.8 under the Project. The basic extension approaches involved in the system are: 1) approach through farmer groups or FOs and 2) participatory approach in planning process; to be top-down as well as bottom-up and reciprocal. In the aspect of the research-extension-farmers linkage, the aim under the Project is the activation of the system and the strengthening of the linkage through the allocation of necessary fund and through the research related program implementation.

TABLES

Table H 1.1 Major Functions/Activities of Central Government Institutions

Department of Irrigation Development (DIODE) (Figure H 1.7)

The DOID is responsible for water resources and irrigation development in the country. In particular, it has responsibility for the development of major and medium irrigation schemes and O&M of medium schemes. As the devolution of its functions to the PCs has extremely been in a limited extent, the contribution of the PCs in the irrigation sector development is minimal. To achieve the functions, the DOID has its regional level offices called Range Office and district level Irrigation Engineers Office. In the Study area, there exist two Range Offices Range Offices, one in Anuradhapura and the other in Kurunegala and two Irrigation Engineers Offices, one in Anuradhapura the other in Galgamuwa. The Irrigation Training Institute of the Department at Galgamuwa, NWP has been established to meet the training requirements of staff and farmers on design, construction and O&M of irrigation schemes.

Irrigation Management Division (IMD) (Figure H 1. 8)

The IMD was established as the executing agency of INMAS and responsible for O&M of major schemes. The organizational set-up of it consists of three tiers, national, district/range and divisional/field offices. The IMD of MOIP is the national level headquarter, the Project Manager Offices are the establishment at district or range level and Institutional Development Officers are deployed at divisional level. Within the Study area, 8 such offices are established.

Department of Agriculture (DOA) (Figure H 1.9 & H 1.10)

The DOA is responsible for the undevolved technical aspects related with the production of food and horticultural crops within the organizational structure of MOAL (Figure H 1.9). Its mandate covers the fields of research and development, extension and training, development and production of seed and planting materials, maintaining quality of seed and planting materials and farm mechanization for the crops. In addition, soil and water resources conservation and management, socio-economic studies on food crops production and plant genetic resources management are also under its jurisdiction. To perform its mandate, the DOA has six technical divisions (Figure H 1.10). Three research divisions, Rice Research & Development Division (RRD), Horticultural Crops Research & Development Division (HORD) and Field Crops Research & Development Division (FCRD), are responsible for research and development of food and horticultural crops and development of seed and planting materials resources. The functions of the research divisions are performed through their Research Institutions/Centers and sub-stations.

The Extension & Training Division is the division responsible for development and dissemination of agriculture information and conducting inservice training for central and provincial extension personnel. It is also responsible for planning and implementation of the extension programs in the inter-provincial major irrigation areas, which is the undevolved extension function of MOAL. The extension services in the inter-provincial areas are achieved through the six Inter-Provincial Extension Units deployed at district level in the country.

The Seed Certification and Plant Protection Center (division) has the mandate of production of seed and planting materials of food and horticultural crops through its 17 Government Seed Farms, control of seed quality through its seed certification services carried out by 15 Regional Seed Certification Stations and plant protection services through 5 IPM units. In addition, its service area covers provisions of basic seed materials and seed certification services to private sector seed producers, registration of agro-chemicals, plant quarantine services and plant genetic resources management. After the establishment of the National Seed Policy (NSP) in 1997, the function to support private sector seed producers has been strengthened.

Agrarian Services Department (DAS) (Figure H 1.11 & H 1.12)

amendments to this Act in 1991. Within the provisions, the provision of security of tenure to tenant cultivators, establishment of Agrarian Services Committees and Farmer Organizations (FOs) are regarded as the most important ones. However, in addition to the above functions, the DAS has a number of functions/activities in agricultural development sector and directed to farmers/FOs including: 1) establishment of Agrarian Services Center as a nucleus place for agricultural development activities at divisional level, 2) to serve as the principal state agency responsible for supply of farm inputs, 3) repair and maintenance of minor irrigation tanks, 4) deployment of ADPA or farmer animator having multi-purpose functions at village level,. 5) promotion of paddy seed production program by mobilizing FOs and their members in collaboration with the Seed Certificatior and Plant Protection Center of DOA, and 6) provision of cultivation loans through "Farmers Bank" of Agrarian Services Committees (at pilot operation stage).

The above functions are decentralized to the district level office of DAS under the control of the central. The activities of DAS through ASCs appear to have great influences in agricultural development at divisional and farmers levels.

Department of Export Agriculture (DEA)

The DEA is responsible for development of the minor export crops, which came to play an important role in the national economy. The minor export crops are defined as perennial crops other than fruits, tea, rubber, coconut and cashew. The DEA is functionally technical and its major emphasis is on research and development activities pertaining to the crops including pepper, cinnamon, cardamom, clove, nutmeg, coffee, cocoa and others. Extension services of the sector are provided through the district offices and the extension officer deployed at division level. The major production areas of the crops are distributed in the Wet Zone and the activities of the DEA in the Study area are limited.

Department of Animal Production & Health (DAP&H)

The DAP&H was the major government institution that support the livestock and poultry development since its establishment in 1978. However, with the devolution of most of the field activities to the PCs, its current major functions are restricted to: 1) policy planning and regulation, 2) special livestock development programs, 3) animal health, 4) supply of quality semen and other inputs, 5) livestock research and production of vaccines, and 7) man power development.

National Livestock Development Board (NLDB)

and crossbreeding purposes and provides training and extension services to farmers through the Farms. There are 23 Livestock Farms in the country. The Farms are operated under Cluster Managers or Assistant Cluster Managers posted in the Farms. Within the Study area, one Livestock Farm is operated at Nikawaratiya. At Marawila of Puttalam District, the Livestock Farm having poultry hatchery facilities is established and day-old chicks are issued to smallholders.

National Aqaculture Department Authority of Sri Lanka (NAQDA)

The activities of the ministry for fisheries have naturally been directed toward the coastal and ocean fishing and the development of inland fishery were less focused in the past. However, the new institution for the development of the inland fisheries, National Aquaculture Development Authority of Sri Lanka, was established in 1999 within the MOFAR and the development of water resources, tanks and reservoirs, in the Study area for fishery purpose will be promoted through the Authority. The NAQDA has four Aquaculture Development Centers (ADC) with breeding facilities and has a plan to establish 12 Aquaculture Extension Centers (AEC) in the country. In the Study area, it has ADC at Dambulla, CP and the Extension Centers at Anuradhapura, Kurunegala and Nikaweratiya. Currently, however, the government involvement in inland fisheries is rather limited and the deployment of extension personnel and their coverage are both restricted.

Institutions	Major Functions	Divisional Level / Field Officers in Project Area
. Central Institutions	5	5
Agricultural Development Authority (ADA)	 Coordinating agricultural development activities by electorate level Assisting farmers in obtaining credit & inputs, marketing of products & promoting production programs Promoting agro-wells development under subsidy basis 	Agricultural Research & Productivity Officer (ARPO)
Coconut Cultivation Board (CCB)	 Organization under the Coconut Development Authority & has its regional office in Anuradhapura & Kurunegala. Distribution of coconut seedlings prepared in its nurseries to farmers under subsidy basis 	Coconut Development Officer (CDO)
Cashew Corporation	 Responsible for cashew cultivation in drier parts Operating subsidy scheme to promote cashew planting 	Cashew Development Officer (CaDO)
National Water Supply & Drainage Board (Regional Office)	 Responsible for domestic & industrial water supply Responsible for sewerage in urban areas O&M of facilities Revenue collection 	-
Electricity Board (Regional Office)	 Providing electric services & connections O&M of facilities Revenue collection 	-
Road Development Authority	 Maintenance & construction of Class A & B roads (Class A: roads connecting provincial capitals) (Class B: roads connecting district capitals) 	-
2. Provincial Institutions		
Land Commissioner Department	 Responsible for land registration, regularization, land tenure issues Responsible for alienation of state land & its redistribution to landless & land-short farmers Represented by Colonization Officer at divisional level 	Colonization Officer (one at each D/S division)

Table H 1.2 Other Institutions for Agricultural and Rural Development

Table H 2.1 Project Related Research Institutes

Rice Research and Development Institute (RRDI), Batalegoda, Kurunegala District

The RRDI has the mandate to conduct research and development activities related to rice. The Institute is entrusted with the responsibility of developing appropriate technologies to increase the productivity of rice in a wide range of agro-ecological environments. Rice research and development activities of DOA/RRD are currently being directed towards increasing the national average yield from the present level of 3.5 t/ha to 4.5 t/ha by the turn of the century. The major causes for the wide gaps between research and farm rice yield identified by the RRDI include: 1) limited adoption of proper technology by farmers, 2) planting of less adapted varieties, 3) low soil productivity, 4) pests, diseases and weed, and 5) poor on-farm water management.

Field Crops Research and Development Institute (FCRDI), Maha Illuppallama

The FCRDI is the central research institution having mandate to conduct field crops research and development and has the long lasting mandate to undertake research for farming systems of the low-rainfall region. Finding environmentally sound and economically viable alternatives to shifting cultivation and the development of sustainable and productive farming systems for rainfed uplands are major objectives of the Institute. While, attention is given to problems of irrigated farming as well and has Water Management Group in the Institute. The target commodities of the Institute are condiment crops (chili & onions) and grain legumes (cowpea, mung beans, pigeon pea, black gram etc.). The Farm Mechanization Research Center (FMRC) of DOA being the national institute for research and development on farm mechanization is attached to the Institute. It is vested with the responsibility of testing and evaluation of agricultural machinery and implements and developing appropriate mechanization technologies.

Horticultural Crop Research and Development Institute (HORDI), Gannoruwa

Having the function as the central research institution for horticultural crops, the HORDI has mandate to conduct research and development on vegetables, fruits, tuber & root crops, flower mainly for the Mid Country and basic research and varietal development. The activities taken by the Institute concern the production of superior varieties of mandated crops, improved crop management methods and better plant health with minimal dependence on chemicals. In addition, the co-ordination for the technology transfer is an important function of the Institute.

RARDC Makandura, Kurunegala District

The Center caters to the horticultural crop research and development needs of Gampaha, Kurunegala and Puttalam Districts. It has mandate to conduct research and development activities on fruits, vegetables and tuber & root crops for the Low Country and the production of horticultural planting materials. The Center has 2 Agricultural Research Stations and 3 Adaptive Research Units (ARUs) handling location-specific research programs and 1 Horticultural Farm under its administration. The activities of the ARU Inginimitiya located close to the Project areas include OFC cultivation in irrigated areas.

Agency		Provincial Office	District Office	Divisional Office	Field Level
Inter-Provincial Extension Unit (DOA)	Staff		Head of Unit, ADATechnical Staff	AO; Head of Segment OfficeAIs at Segment Office	- AIs at ASC
	Management System		Monthly meeting of all staff of UnitProgress monitoring & guidance	Fortnightly meeting of all segment staff including AIsProgress monitoring & guidance	
	Formulation of Seasonal Extension Programs		- Finalize seasonal work programs of Unit & propose to DOA	 Discuss work program prepared by AIs in fortnightly meeting 	 Preparation of proposal based on local specific conditions and needs Farmer Animator may provide assistance in site selection & farmer grouping
	Implementation of Extension Programs		 Field supervision & guidance on programs carried out by AIs Provide guidance to AOs/AIs at monthly meeting Progress monitoring 	 Field supervision & guidance on programs carried out by AIs Provide guidance to AOs/AIs at fortnightly meeting Progress monitoring & reporting 	 Implementation of field extension programs mostly with small farmer groups Provide training/guidance to participants Periodical visit to program sites Progress reporting
	Field Extension		 Field supervision & guidance to AIs & participants (limited) 	 Field supervision & guidance to AIs & participants 	 Visits to service areas not covered by extension programs (limited)
	In-service Training System of AIs				 Pre-seasonal training of AIs at ISTI (3-5 days) Guidance at periodical meeting In-service training on special subjects
PDOA	Staff	 Provincial Director, Head Head of Division Technical Staff 	Head of District Office, DDATechnical Staff	 Segment ADA (NWP) Divisional ADA (NCP & NWP) AIs at Div. Office 	- AIs at ASC
	Management System	 Monthly meeting of all staff (NCP) Monthly meeting of all senior staff (NWP) 	 Monthly meeting of all PDOA staff (NCP) Monthly meeting of all district staff (NWP) 	 Fortnightly meeting of all division staff including AIs (NCP) Weekly meeting of all division staff including AIs (NWP) 	
	Formulation of Seasonal Extension Programs	Discuss work program prepared by District Office in monthly meetingFinalize seasonal work programs	Discuss work program prepared by Div. Office in monthly meetingPrepare district level work program	 Discuss work program prepared by AIs at fortnightly meeting (NCP) Discuss work program prepared by AIs at weekly meeting (NWP) 	 Preparation of proposal based on local specific conditions and needs Farmer Animator may provide assistance in site selection & farmer grouping
	Implementation of Extension Programs	 Supervision & guidance on programs carried out by AIs Provide guidance to AOs/AIs at monthly meeting Progress monitoring 	 Supervision & guidance on programs carried out by AIs Provide guidance to AIs at monthly meeting Progress monitoring & reporting 	 Field supervision & guidance on programs carried out by AIs Provide guidance to AIs at fortnightly meeting Progress monitoring & reporting 	 Implementation of field extension programs mostly with small farmer groups Provide training/guidance to participants Periodical visit to program sites
	Field Extension	 Field supervision & guidance to AIs & participants (limited) 	 Field supervision & guidance to AIs & participants (limited) 	 Field supervision & guidance to AIs & participants 	 Visits to service areas not covered by extension programs (limited)
	In-service Training System of AIs				 Pre-seasonal training of AIs at ISTI (3-5 days) Guidance at periodical meeting In-service training on special subjects

Table H 2.2 Extension Management System of DOA and PDOAs in the Study Area

			Prov. 1	Dept. o	of Agri	icultur	e	DOA			PD.	APH			DEA	Coconut B.	NAQDA		ADA		Cashew C.		Distric	t Agra	arian Se	ervices	;
		E	Division	nal	Ag	gricultu	ıral		V	eterina	ıry	Live	stock	Dev.								D	Division	nal	I	Farme	r
			ADA		Inst	ructor	(AI)	AI	S	Surgeo	n	Iı	nstruct	or	EO	CDO	FI		ARPC)	CaDO		Officer	r	А	nimat	or
Distr	rict / Division	Р	V	Т	Р	v	Т	Р	Р	v	Т	Р	v	Т	Р	Р	Р	Р	V	Т	Р	Р	V	Т	Р	v	Т
Anuradhapur	1 Palugaswewa	1		1	1		1		1		1	2	1	3								1		1	16		<u> </u>
	2 Kekirawa		1	1	2	4	6		1		1	3		3			1	1		1	1	3		3	50	16	66
	3 Ipalogama	1		1	2		2		1		1	3		3		1						1		1	24	1	25
	4 Thirappane	1		1	4	3	7		1		1	4		4				1		1		3		3	42	14	54
	5 Nuwaragam P.E.	1		1	1	7	8	4	1		1	1	2	3		1	1	1		1		2		2	43	6	49
	6 Nuwaragam P.C.	1		1	3	3	6	1	1		1	4		4				1	1	2	1	2		2	21	13	34
	7 Thalawa		1	1	3		3		1		1	4		4							1	3		3	39	3	42
	8 Galnewa	1		1	2		2		1		1	2	1	3								1		1	26	3	29
	9 Nochchiyagama	1		1	2	2	4		1		1		3	3								2		2	37	1	38
	10 Palagala	1		1	2	2	4		1		1	2	1	3			1	1		1		2		2	32	4	36
	11 Rajanganaya			0			0	3		1	1	3		3								1		1	20	1	21
_	12 Thambuttegama			0			0		1		1	3		3								1		1	23	3	26
Project P	elated Divisions Total	8	2	10	22	21	43	8	11	1	12	31	8	39	0	2	3	5	1	6	3	22		22	373	65	420
Hojeet K	clated Divisions Total	0	2	10	22	21	45	0	11	1	12	51	0	37	0	2		5	1	0	5	22		22	515	05	420
District Total		12	8	20	40	21	61	30	19	1	20	49	15	64	0	2	4	9	1	10	8	40	2	42	675		
NCP Total		12	8	60	40	21	61	30	24	1	25	63	19	82	0	5	7				11						
Matale	1 Galewela	12	0	1	2	21	2		1	1	1	3	19	3	0	0	0	1		1	1	1		1	31	3	34
wiatale	1 Galeweia	1		1	2		2		1		1	5		5	0	0	0	1		1	1	1	╞──┤	1	51	3	34
District Total		4	1	5	46				8		8	18		18	11	2	2	4	2	6	3	23		23	459	86	545
	CP Total	13	6	19	152	23	175		33	2	35	92	25	117	26												
		10			102		1.0		55	_					20								Ħ				
Project R	elated Divisions Total	9	2	11	24	21	45	8	12	1	13	34	8	42	0												

Table H 2.3 No. of Extension or Field Officers in Study Area by Division, North Central Province & Central Province

Source: Office files of related agencies

DOA: Inter-Provincial Extension Unit of DOA

PDAPH: Provincial Department of Animal Production & Health

DEA: Dept. of Export Agriculture

NAQDA: National Aqua-culture Development Authority

ty ADA: Agricultural Development Authority

EO: Extension Officer, CDO: Coconut Development Officer, FI: Fisheries Inspector, ARPO: Agricultural Research & Productivity Officer, CaDO: Cashew Development Officer

]	Prov. 1	Dept. (of Agri	icultur	e			PD	APH			DEA	Coconut C	Cul. Board	NAQDA	ADA	Cashew C.		Distric	t Agr?	arian Se	ervices	;
		D	ivisio	nal	Ag	gricult	ural	V	eterina	ıry	Live	stock	Dev.	Extension	Coconut	Field	Fishery		Cashew D.	D	ivisior	ıal	J	Farmei	r
			ADA	-		istruct	tor	5	Surgeo		Ir	nstruct		Officer	Dev. Officer	Assistant	Inspector	ARPO	Officer		Office		A	nimato	or
Distr	ict / Division	Р	V	Т	Р	V	Т	Р	V	Т	Р	V	Т	Р	Р	Р	Р	Р	Р	Р	V	Т	Р	V	Т
Kurunegala	1 Galgamuwa	1		1	8	2	10	1		1	5		5		1			1		2		2	53	5	58
	2 Giribawa		1	1	2		2	1		1	2	1	3							1	1	2	33	5	38
	3 Maho	1		1	9		9	1		1	4		4			1				1	1	2	57	3	60
	4 Nikaweratiya	1		1	4		4	1		1	3		3		1		1	1		2		2	38	3	41
	5 Kotawehera			0	3		3			0	2		2							1	1	2	27	3	30
	6 Rasnayakapura			0	2		2		1	1	2		2							1		1	23		23
	7 Polpithigama	1		1	6	2	8	1		1	4		4		1	1				3		3	81		81
	8 Mawathagama	1		1	3		3	1		1	3		3	1	1			1		1		1	65	3	68
	9 Rideegama	1		1	5	2	7	1		1	3	2	5		1	1				2	1	3	100	11	111
	10 Ibbagamuwa	1		1	7		7	1		1	4		4	1		1				2		2	72	2	74
	11 Mallawapitiya			0	2	1	3			0			0							1		1	44	1	45
	12 Kurunegala		1	1	7		7	1		1	3		3		2	1	1	1		3		3	53	10	63
	13 Maspotha			0	3		3			0	2		2							1	1	2	49	5	54
	14 Ganewatta			0	3		3		1	1	2	1	3		1	1				1	1	2	33	6	39
	15 Wariyapola	1		1	5		5	1		1	5		5		1	1		1		2		2	54	3	57
	16 Kobeigane		1	1	3		3			0	2		2							1		1	29	6	35
																									ł
Project Re	elated Division Total	8	3	11	72	7	79	10	2	12	46	4	50	2	9	7	2	5	0	25	6	31	811	66	877
																									ł
District Tota	1	14	13	27	115	50	165	16	9	25	80	4		7	14	13	2	14	0	48	7	55	1402	133	1535
Puttalam	Nawagattegama	1		1	4		4	1		1	2		2	0				0		1		1	8		8
	District Total	7	10	17	33	23	56	9	11	20	38	7	45	0			3	6	6	17		17	396		396
																									ł
Project Re	elated Division Total	9	3	12	76	7	83	11	2	13	48	4	52	2	9	7	2	5	6	26	┣—	32	819		885
																									ł
Ν	WP Total	21	23	44	148	73	221	25	20	45	118	11		7											1

Table H 2.4 No. of Extension or Field Officers Deployed in Study Area by Division, North Western Province

Source: Office files of related agencies

DOA: Inter-Provincial Extension Unit of DOA NAQDA: National Aqua-culture Development Authority PDAPH: Provincial Department of Animal Production & Health

ADA: Agricultural Development Authority DEA: Dept. of Export Agriculture EO: Extension Officer, CDO: Coconut Development Officer, FI: Fisheries Inspector, ARPO: Agricultural Research & Productivity Officer, CaDO: Cashew Development Officer

			1999		1998	
		Unit Program	No. of	Source		
		Costs	Programs	of	Implemented	
Programs/Activities	Unit	(Rp.)	(Yala) 1/	Funds 2/	No.	Program Components / Remarks
Large Scale (yaya) Paddy Demonstration	block	4,230	80	CG	150	20 farmers, 16 ha, fertilizer supply on revolving loan
Weed Control Demonstration (paddy)	block	3,800	51	CG	34	1.6 ha, training & chemical supply
Yield Maximization (paddy)	plot	3,080	31	CG	6	1 acre, organic manure supply, target 7.5 t/ha
Self Seed Production (paddy)	packet	10	1,000	CG	1,635	seed supply, 1 packet 2kg, training
Certified Seed Production (paddy)	ha	100	200	CG	193	seed supply, training
Chili Demonstration	plot	5,900	2	CG		supply seed & fertilizer
Onion Demonstration	block	64,500	1	CG		2 ha, seed, fertilizer & chemical supply
Onion Store Construction: Small Type	unit	15,000	10	CG		for farmer group participating demonstration
Onion Store Construction: Medium Type	unit	100,000	1	CG		for farmer group participating demonstration
Onion Seed Production	unit	41,750	1	CG		construction of protected store
Onion Seed Production	packet			CG	6	bulb supply
Maize Demonstration	block	25,750	3	CG	6	4 ha, seed, fertilizer & chemical supply
Sweet Potato Demonstration	plot	2,800	2	CG		supply cuttings
Vegetable Demonstration	plot	2,113	19	CG		seed, fertilizer & chemical supply
Red Onion Seed Production	packet	500	2	CG	2	bulb supply, 100kg/packet
Kurakkan Demonstration	plot	50	26	CG		seed & fertilizer supply
Banana Demonstration	plot	4,625	12	CG		sucker, fertilizer & chemical supply
Papaya Demonstration	plot	2,916	10	CG		seedling, fertilizer & chemical supply
Papaya Demonstration	plot	562	8	CG		seedling, fertilizer & chemical supply
Farm Women Extension: Training Class	class		36	CG		at village, 20 -25 participants x 1 day
Demonstration Programs under PRDP		2,200	78	PRDP		IPM, pineapple etc.
Soybeans Demonstration	block			CG	1	2 ha, seed & fertilizer supply
Variety Adaptability Trial	unit			CG	4	0.2 ha, paddy

Table H 2.5 Agricultural Supporting Programs Implemented and Planned by Inter-Provincial Extension Unit, Anuradhapura

1/: Programs in Yala season only

2/: CG --- Central government; PRDP --- Participatory Rural Development Project, IFAD

Source: Office file, Inter-Provincial Extension Unit, Anuradhapura

			1999		1997	
		Unit Program	No.	Source		
		Costs	of	of	Implemented	
Programs/Activities	Unit	(Rp.)	Programs	Funds 1/	No.	Program Components / Remarks
Special Paddy Production Program	unit	138,000	53	CG		10 - 30ha; supply of seed & compost
Certified Seed Production Program	unit		12	PC		10 - 30ha; seed supply
Use of Straight Fertilizer in Rice Cultivation	unit	47,935	39	PC	8	10 - 30ha; seed supply
Self Seed Production	unit	1,980	24	PC	40	10 - 30ha; seed supply
Integrated Pest Management	unit	1,475	2	FAO	10	10 - 30ha; supply of sprayer
Demonstration: Conservation Farming	village	70,000		-	10	Supply of planting materials & demonstration
Demonstration: Cropping System under Agro-wells	unit	10,000		-	14	1 - 1.5ha
Demonstration: Introduction of Turdhol	unit	580		-	4	
Demonstration: Crop Diversification	unit	7,500	8	PC	10	Supply of seed & fertilizer
School Home Garden		500	50		26	Supply of planting materials & seeds
Home Garden	village	2,350	200	PC	200	Supply of planting materials & seeds
Kitchen Development	village	3,750	2	PC	2	Supply of stove
Training: Improved Nutrition of Farming Community	class	1,250	40	PC	20	20 -50 participants, women, at ISTI
Demonstration: Popularizing Kurakkan Crops	unit	900	8	PC	110	0.25ha; millet
Demonstration: Mushroom Cultivation	unit	1,000	4	PC	2	Supply of inoculated medium
Production of Bee Honey Campaign	colony	500	200	PC	50	Supply of bee colony
Demonstration: Introduction of High Value Fruits	unit	2,000	100	PC	10	Agro-well
Demonstration: Compost Use	unit	1,000	20	PC		0.2ha
Demonstration: Introduction of New Crops - Dioscorea	demos	2,000	12	PC		0.2ha
Demonstration: Introduction of New Crops - Ginger	demos	1,000	10	PC		0.2ha
Demonstration: Introduction of New Crops - Turnic	demos	1,000	10	PC		0.2ha
Integrated Pest Management	unit	25,000	110	PRDP	2	IPM in 20 - 25 acres of tract
High Land Development Program	village	35,000	10	PRDP	10	Soil conservation, 25 farmers/village
Private Sector Nursery Program	unit	10,000	118	PRDP	18	Supply of materials & training, fruit nursery
Demonstration Plots	unit		3	ADB		Rice, OFCs etc.

Table H 2.6 Agricultural Supporting Programs Implemented and Planned by Provincial Department of Agriculture in Anuradhapura District, North Central Province

1/: CG --- Central government; PC --- Provincial council; PRDP --- Participatory Rural Development, IFAD

Source: Office files of PDOA, NCP

			1999		1997	
		Unit Program	No. of	Source of	Implemented	
Programs/Activities	Unit	Costs (Rp.)	Programs	Funds 1/	No.	Program Components / Remarks
Demonstration under Agro-wells	plot	8,000			54	250 m ² /plot, WRDP/ADB
Demonstration under Gravity Irrigation, Paddy	plot	5,500			271	250 m ² /plot, WRDP/ADB
Demonstration under Gravity Irrigation, OFC	plot	7,500			91	250 m ² /plot, WRDP/ADB
Demonstration on Horticulture Development	plot	12,500	12	PC	8	0.5 - 1 acre, fruits & vegetables
Demonstration on Integrated Farming	plot	6,000	47	PC		0.5 - 1 acre
Demonstration on Crop Diversification	block	8,125	80	PC	93	5 - 10ha
ntegrated Pest Management	block	2,500	30	PC		5 - 10ha
Demonstration on New Crops	plot	2,000	30	PC		500 m ² /plot
Demonstration on Farm Women Activities	beneficiary	305	655	PC	300	fruit preservation etc.
Strengthening Youth Club	club	12,000	100	PC		training & supply of tools
Preparation of Resource Maps	map	705	71	PC		resource map preparation
Seed Production Program	packs	10	1,000	PC		supply of foundation seed, 2kg/pack
Exhibition	unit	20,000	2	PC		stores, tools, equipment
Iorticulture Development Program	beneficiary	710	2,112	CG	1600	supply of planting materials
Demonstration: Paddy Yield Increase	plot	10,000	50	CG		0.4 ha
Demonstration: Crop Diversification	block	30,000	29	CG	5	4 ha
Demonstration: Horticulture - Vegetables	plot	2,633	42	CG		< 200 m ² /plot
Demonstration: Horticulture - Fruits	plot	10,000	26	CG		< 0.1 ha
addy Trial	unit	6,000	5	CG		0.4 ha
ntegrated Pest Management: Farmer School	block	40,000	3	CG	3	10 ha
Demonstration: Paddy Yield Increase	plot	950			12	0.1 ha, EEC
Demonstration: Crop Diversification	plot	1,200			20	0.1 ha, EEC
Demonstration on Farm Women Activities	beneficiary	675			257	fruit preservation etc., EEC
Pre-seasonal Training (officer)	course	18,000	12	PC	12	officer, 30 participants x 2 - 3 days
RTWG (currently PTWG)	meeting	5,500	2	PC	2	RTWG meeting, 65 participants x 1 day
Research/Extension Dialogue	meeting	8,000	2	PC		100 participants x 1 day
Food Technology Training (officer)	course	12,000	5	CG	3	8 participants x 3 -5 days
raining on Banana Cultivation (officer)	course	12,000	4	CG		8 participants x 3 -5 days
raining on Grape Cultivation (officer)	course	5,000	2	CG		6 participants x 1 day
PM Training (officer)	course	15,000	1	CG	1	4 participants x 2 months
Other Training Programs (farmers)	course	16,500	6	PC	4	30 participants x 2.5 days
Fraining on Horticulture (farmers)	course	3,000	8	PC	5	60 participants x 1 day
Seminar on Organic Farming (farmers)	course	20,000	1	PC		60 participants x 1 day

Table H 2.7 Agricultural Supporting Programs Implemented and Planned by Provincial Department of Agriculture, North Western Province

1/: PC --- Provincial council, CG --- Central government

Source: Office files of PDOA, NWP

	Agrarian		
D/S Division	Service Center	Operational Constraints/ Problems	Operational Needs
1 Galnewa	1 Negampaha	Not available	Not available
2 Ipalogama	2 Ipalogama	Toilets and tractor garage are dilapidated, No overhead tank or pump, No good type write	Toilets, Tractor garage, Type writer, Water supply system
3 Kekirawa	3 Kekirawa	Not available	Not available
	4 Maradankadawala	No funds in committee, No accessories for tractor, GJK center floor not good	Tractor accessories and a garage, Repairs to GJK building floor
	5 Madatugama	Not available	Not available
4 Mihintale	6 Mihintale	No proper GJK center, No stores, No training hall and equipment, No typewriter	Building, Garage, Training hall and equipment, Type writer
5 Nochchiyagama	7 Nochchiyagama	No proper water supply, No tractor garage, No fence and agate, No typewriter	Overhead tank, Tractor garage and accessories, Fence and gate
	8 Ranorawa	No water, No tractor garage and accessories, Committee room and hall dilapidated	Water supply, Tractor garage and accessories, repairs to building
6 Nuwaragam	9 Elayapattuwa	Toilets not in good condition, No typewriter, No plant nursery	Toilets, Plant nursery, Typewriter
Palatha Central	10 Gambirigasuwewa	Not available	Not available
7 Anuradhapura	11 Anuradhapura	GJK building not maintained, Stores not sufficient, No chairs in the training hall	Stores, Chairs for training hall, Repairs to GJK building, Laborers
	12 Palugaswewa	Small committee fund, No water supply, No tractor garage, No fence & gate & typewriter	Tractor garage, Fence & gate, Typewriter, Overhead tank and pump
8 Nuwaragam P. E	13 Srawasthipura	No funds in the committee, No watcher or laborer	Funds for the committee, Watcher and laborer
9 Palagala	14 Andiyagala	No tractor garage, No fence and gate, GJK roof ceiling dilapidated	Repairs to ceiling, Tractor garage, Fence and gate
	15 Palagala	No funds in committee, No electricity, No water, No tractor garage, No furniture & chairs	Water supply, Tractor garage, Office furniture and chairs for meetings
10 Rajanganaya	16 Rajanganaya	Very old building, Roof leaking, No water, No fence & gate, No meeting hall	Water supply, Repairs to GJK, Meeting hall with chairs, Gate & fence
11 Thalawa	17 Eppawala	Water very difficult, Toilets no good, Stores not enough, No typewriter, No funds	Water supply, Fertilizer store, Toilets and Typewriter
	18 Katiyawa 2/	Not enough facilities in the training hall, No telephone	Chairs & Maggi boards for the hall, Telephone
	19 Thalawa	No water supply, No stores, No office equipment, Fence and gate no good, No typewriter	Water supply, Stores, Office equipment, Repair fence & gate
12 Thabuttegama	20 Thabuttegama	Old building, No water supply or well, No electricity, No tractor & accessories	Water supply, Electricity, Tractor, Office equipment
13 Thirappane	21 Siwalakulama 3/	Land dispute, No compound, No water supply or well	Settle the land dispute, Water supply
	22 Thirappane	No water supply, Tractor garage no good, No fence and gate, No training facilities	Water supply, Tractor garage, Training hall with chairs, Sales room
	23 Muriyakadawala	No funds in committee, No water supply, Building need repairs	Funds, Water supply, Repairs to building and roof

Table H 2.8 Operational Problems and Needs of Agrarian Services Center in the Study Area - Anurdhapura District - 1/

1/: Results of interviews with DOs carried out by the Study Team, 1999

2/: Cover Thalawa & Ipalogama Division 3/: Cover Thirappane & Gelenbidunuwewa Division

DS Division	Agrarian Services Center	Operational Constraints/Problems	Needs
1 Galgamuwa	1 Ahatuweva	No water supply, furniture, type writer & shortage of fund	Water supply, furniture, type writer
	2 Galgamuwa	No water supply, telephone, furniture & labor	Water supply, furniture
	3 Mahananeriya	Water problems, shortage of funds, poor farmer participation, transport problems, no electricity	Electricity, water supply, repairing roof of building, tractor garage
2 Ganewatta	4 Ganewatta	No furniture, telephone & shortage of fund of committee	Furniture & funds
	5 Kumbukgete	No water supply, furniture, telephone & labor	Water supply, furniture, telephone
3 Giribawa	6 Rajanganaya	No water supply, furniture; stores to be renovated	Water supply, furniture renovation of store
4 Ibbagamuwa	7 Ibbagamuwa	No water supply, furniture, type writer, training facilities, store not enough	Water supply, furniture, type writer, training facilities(equipment, furniture)
	8 Melsiripura	No water supply, furniture, electricity, land dispute, store & garage to be renovated	Electricity, water supply, furniture, transportation facilities & renovation of store
5 Kobeigane	9 Kobeigane	No water supply, furniture, telephone, stores	Water supply, furniture, stores, stationery & printing equipment
6 Kotawehera	10 Kotawehera	No water supply, furniture, electricity, telephone, typewriter; building dilapidated	Electricity, water supply, furniture, building repair
	11 Mahagirilla	No water supply, furniture, telephone & watcher	Water supply, furniture
7 Abanpola	12 Abanpola	No water supply, furniture, electricity, telephone, hall & library; shortage of funds	Electricity, water supply, furniture
8 Maho	13 Maho	No furniture, electricity, telephone, hall	Furniture & hall
	14 Nagollagama	No water supply, furniture, hall, store, garage & DO quarter	Store, water supply, garage, DO quarter
9 Wearawalla	15 Wearawalla	No water supply, electricity; shortage of funds & labor	Electricity, water supply; funds
10 Maspotha	16 Kudagalgamuwa	Shortage of funds, No furniture, transport facilities, sales center	Sales center, furniture, transport facilities, water supply
	17 Nathagane 2/	No furniture, water supply, transport facilities,	Water supply, furniture, transport facilities
11 Kurunegala	18 Kurunegala	Shortage of funds, furniture; no telephone	Furniture & funds
	19 Wellawa	No water supply, furniture & labor, roof to be renovated	Water supply, furniture, building repair
12 Mawathagama	20 Mawathagama	No furniture, telephone, sales center & printing equipment	Furniture, sales center & printing equipment
13 Nikaweratiya	21 Diullegoda	No water supply, electricity, furniture, type writer, telephone; no salesman; transport problems	Electricity, water supply, furniture, typewriter
	22 Nikaweratiya	No fence & garage	Gate & fence
14 Polpithigama	23 Madahapola	No furniture, water supply	Furniture, water supply, reaper
	24 Morogallagama	No water supply, electricity, furniture, telephone; store not enough	Water supply, electricity, big store, furniture, DO quarter
	25 Rambe	No water supply, electricity, furniture, telephone & labor	Water supply, furniture, telephone
15 Rasnayakapura	26 Rasnayakapura	No water supply, furniture, telephone; no fence & garage	Water supply, furniture, telephone
16 Rideegama	27 Dodangaslanda	Transport problems, no furniture	Transport facilities & furniture
	28 Karadagolla	No water supply, no nursery	Water supply, plant nursery
	29 Rambadagalla	No tractor & attachment	Tractor & attachment, water supply, pump
17 Wariyapola	30 Awulegama	No water supply, furniture, telephone; store not enough, no hall, garage	Furniture, garage, water supply
	31 Wariyapola	No water supply, furniture, store, garage, training facilities & equipment	Water supply, store, furniture, training facilities
	32 Boyagane	No furniture, water supply, electricity; less staff	Water supply, furniture, staffing
18 Werabugedara	33 Werabugedara	No water supply, furniture, telephone & printing equipment	Water supply, furniture, sales center, printing equipment

Table H 2.9 Operational Problems and Needs of Agrarian Services Centers in the Study Area - Kurunegala District 1/

1/: Results of interviews with DOs carried out by the Study Team, 1999 2/: Cover Maspotha & Katupotha Division

			1998		1999	
		Programs	Total Program	Source	Programs	
		Implemented	Costs	of	Planned	
District/Programs/Activities	Unit	(No.)	(Rp.000)	Funds	(No.)	Program Components / Remarks
Anuradhapura						
Farmer Training Program	course	100	175	WFP	100	1 day x 30 participants(members of FOs) at ASC or else
Farmer Training Program	course	26	98	NIRP	60	1 day x 30 participants(members of FOs) at ASC or else
Farmer Training Program	course	14	65	PRDP		1 day x 30 participants(members of FOs) at ASC or else
Farmer Training Program	course	2	34	ADB	65	1 day x 30 participants(members of FOs) at ASC or else
Sub-Total		142			225	
Demonstration Plot	unit	16	19	NIRP		Plot size: 0.1 - 2ha, food crops
Village Community Center	unit	13	2,142	WFP	13	Construction/renovation of village center
Farm Road	km	26	2,462	WFP	25	
Farm Road	km	12	3,665	PRDP		
Farm Road	km	15	1,440	PC	12	
Land Conservation	tract	10	74	NIRP	10	
Kurunegala						
Farmer Training Program	course	60	83	WFP	60	1998: 2,993 farmers(members of FOs) ; 1 day at village
Farmer Training Program	course	47	138	NIRP	259	1998: 751 farmers(members of FOs); 1 day at village
Farmer Training Program	course	38	187	IFAD	90	1998: 1,154 farmers(members of FOs) ; 1 day at village
Sub-Total		145			409	
Farm Road	km	30	2,797	WFP		
Village Community Center	unit	7	501	WFP		Construction/renovation of village center
Farm Tool Supply			299	PC		Supply of farm tools

Table H 2.10Agricultural Supporting Programs Implemented and Planned by District Office of Agrarian Service,
Anuradhapura and Kurunegala District

Note: Training courses in Anuradhapura include: awareness, construction, O&M, agriculture planning & farming practices

1/:WFP --- World Food Program, NIRP --- National Irrigation Rehabilitation Project, PRDP --- Participatory Rural Development Project, PC --- Provincial council Sources: Office files of DAS, Anuradhapura & Kurunegala

		No. of	Total Costs	Source of	
Province/Programs/Activities	Unit	Programs	(Rp.000)	Funds 1/	Program Components / Remarks
North Central Province(only And	uradhapura	<u>1)</u>			
Cattle Distribution Program	unit	50	1,750	PC	Distribution of cow; farmer training
Improved Husbandry	unit	54	600	PC	Demonstration on Cattle Shed & Feeding
Self-employment Program	farmer	54	350	PC	Supply of milk refrigerator; farmer training
Stud Bull Supply Program	unit	10	100	PC	Supply of stud bull
Implements Supply Program	unit		900	PC	Implements for castration
Goat Distribution Programs	goat unit	240	3,828	PRDP	Supply of goat unit(4 female & 1male)
Goat Distribution Programs	goat unit	130		RDP	Supply of goat unit(2 female & 1male)
Goat Distribution Programs	goat unit	600	3,000	ADB	Supply of goat unit(2 female & 1male)
Cattle Shed Improvement	unit	435	2,400	ADB	Improvement of cattle shed
Poultry Distribution Program	bird	102,000			Chick, broiler, duck
Animal Distribution Program	head	495			Buffalo, pig
AI	AI	9,834			
Disease Prevention Program	vacci.	398,000			Vaccination
Dispensary/Field Curative Services					
North Western Province					
Large Ruminant Dev. Program	head	220	602	PC	Distribution of cow & beneficiary training
Pasture Development Program	farmer	128	108	PC	Supporting pasture establishment
AI Program	A.I.	23,389	92	PC	
Milk Collection Program	farmer	7,492	1,000	PC	No. of collection center covered: 451
					Program cover beneficiary training & others
Goat Distribution Program	goat unit	221	152	PC	Supply of goat unit(4 female & 1male)
Farmer Training Course	class	34	-	PC	At IFTC; 1 day course
Farmer Field Days	class	32	86	PC	At IFTC; 1 day course
Integrated Farming Course	class	34	86		At IFTC; 1 day course
Officer Training Course	mandays	630	157	PC	At In-service Training Center
Poultry Popularizing Program	farm	107	826	PC	
Point of Layer Distribution	farm	80	82		
Dispensary/Field Curative Services	unit	38,609	14		
Mobile Veterinary Service	visit	1,721	120	PC	
Disease Prevention Program	vacci.	485,000	638	CG	Vaccination
					Program cover beneficiary training & others
Goat Distribution Program	goat unit	178	2,967	IFAD	Supply of goat unit(4 female & 1male)
Point of Layer Distribution	farm	59	55	IFAD	

 Table H 2.11 Extension Programs Implemented by Provincial Department of Animal Production & Health, 1998

1/: PC --- Provincial Council; CG --- Central Government

Source: Office files of PDAPH, NCP & NWP

Table H 2.12 Major On-going Credit Schemes - 1/2

	Sch	emes with CBSL	Interest Subsidy					
	NCRCS is an agricultura	l credit scheme, w	hich provide short-ter	m cultivation loans f	for the paddy and other			
	food crops (OFC) sector 10,343 farmers, which r extremely limited comp	egistered decrease	of some 25 % from	Rs. 586 million in	1996 and 1997 and is			
	• •							
	Participating Credit Insti		-					
	farmers, are provided wi		dy of 10 percentage	points by CBSL to	enable them to lend to			
New Comprehensive	farmers at 12 % per annu	m.						
Rural Credit Scheme	Paddy and 30 other crop	ns are included un	der the NCRCS T	he main PCIs of the	scheme are Bank of			
(NCRCS)	Ceylon (BC) and People'							
			RCS (as at December	· · · · · ·				
	Year	Paddy Loan	OFC Loan	Total Loans	Recovery Rate (%)			
	Cultivation Year 1996	396	190	586	n.a.			
	Cultivation Year 1996	383	203	586	76			
	Cultivation Year 1996	277	165	442	65			
	Source: Annual Report 1	998, CBSL						
	The scheme is categorize	d as a micro financ	e and savings schem	and provides micro	medium term loans to			
	the unemployed out of P		U	1				
	and other sectors. The cu			•				
	with an interest subsidy		-		-			
	end of 1998 recorded the							
Salf amplayment	of the scheme are PB, BC	0						
Self-employment	of the scheme are 1 D, DC		nai Dank. The perior	nances of the schem	e are shown below.			
Promotion through	Per	formance of Surat	nura scheme Phase II	(as at December 199	98)			
Micro-Enterprise Credit	Bank	No. of Loans		ue(Rs. Million)	Recovery Rate (%)			
(Surathura Scheme)	People's Bank	9,759		341	67			
	Bank of Ceylon	5,050		221	65			
	Hatton National Bank	307		13	45			
	Total	15,116		575	-			
	Source: Annual Report 1	,						
	M	icro Finance & S	wing Schemes					
	The Samuruani Bank So	cience (SBS) which	the were set up as ar	i integrai part of the	Samurani Movement			
	focus on mobilizing sav	ings from Samurd	hi members and gra	int loans to them for	r undertaking income			
	generation activities. Acc	cording to the CBS	L's Annual Report 19	998, some 67,500 m	cro loans to a value of			
	Rs. 238 million, as at the	e end of 1998, was	s disbursed to member	ers in respect of agri	culture, small trading,			
	Rs. 238 million, as at the end of 1998, was disbursed to members in respect of agriculture, small trading, fisheries, consumption and to a lesser extent, distress relief purposes. This reflects an average loan size of							
Samurudhi Development	Rs. 3,500, a very small micro-finance facility. The overall recovery rate maintained by the SBS has been							
Credit Schemes	reported at 96 %. In add	lition to the micro-	finance facility, two	types of micro-finan	ce and savings scheme			
	are provided through the two state banks (BC and PB) by the SBS, Samurdhi Development Program							
	(SASANA) and Samurdhi Enterprise Credit Program (SAVANA). The recovery rate of 66 % for							
	SASANA Scheme and as high as 98 % for SAVANA Scheme was reported as at the end of December							
	bribriin beneme and t	is high as 98 % fo	or SAVANA Scheme	e was reported as at	the end of December			
	1008 (CRSI 's Annual Re	•	or SAVANA Scheme	e was reported as at	the end of December			
	1008 (CRSI 's Annual Re	anort 1008)		-				
	The TCCS credit scheme	es are operated by the	he Sanasa Developme	ent Bank (SDB) and	the TCCS District and			
	The TCCS credit scheme Primary Societies. The S	es are operated by the SDB is a specialize	he Sanasa Developmo d bank set up in 199	ent Bank (SDB) and 7 with a vision to rai	the TCCS District and se the income levels of			
Thrift and Credit Co-	The TCCS credit scheme Primary Societies. The S the low-income groups th	s are operated by the SDB is a specialize prough co-operative	he Sanasa Developme d bank set up in 199 e and development or	ent Bank (SDB) and 7 with a vision to rai iented financial serve	the TCCS District and se the income levels of ices. It grants loans to			
Thrift and Credit Co- operative Societies	The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th	s are operated by the SDB is a specialize mough co-operative rough the TCCS D	he Sanasa Developme d bank set up in 199 e and development or istrict Unions and Pri	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan			
operative Societies	The TCCS credit scheme Primary Societies. The S the low-income groups the borrowers directly and the schemes targeting specifi	s are operated by the SDB is a specialize arough co-operative rough the TCCS D c categories of born	he Sanasa Developme d bank set up in 199 e and development or istrict Unions and Pri rowers and 1,516 mic	ent Bank (SDB) and 7 with a vision to rai iented financial serv- mary Societies. The rro loans amounting	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had			
	The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m	s are operated by the SDB is a specialize arrough co-operative rough the TCCS D c categories of bornicro credit scheme	he Sanasa Developme d bank set up in 199 e and development or istrict Unions and Pri rowers and 1,516 mic s at the end of 1998.	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The rro loans amounting Deposits mobilize	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to			
operative Societies	The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m members by TCCS stor	s are operated by the SDB is a specialize prough co-operative rough the TCCS D c categories of bornicro credit scheme od at Rs. 3,505 m	he Sanasa Developme d bank set up in 199 e and development or istrict Unions and Pri rowers and 1,516 mic s at the end of 1998.	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The rro loans amounting Deposits mobilize	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to			
operative Societies	The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m	s are operated by the SDB is a specialize prough co-operative rough the TCCS D c categories of bornicro credit scheme od at Rs. 3,505 m	he Sanasa Developme d bank set up in 199 e and development or istrict Unions and Pri rowers and 1,516 mic s at the end of 1998.	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The rro loans amounting Deposits mobilize	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to			
operative Societies	The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m members by TCCS stor (CBSL's Annual Report 1	s are operated by the SDB is a specialize prough co-operative rough the TCCS D c categories of bornicro credit scheme od at Rs. 3,505 m 1998).	he Sanasa Developme d bank set up in 199' e and development or istrict Unions and Pri rowers and 1,516 mid s at the end of 1998. illion and Rs. 1,868	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The rro loans amounting Deposits mobilize million, receptively	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to y, at the end of 1998			
operative Societies	The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m members by TCCS stor	s are operated by the SDB is a specialize prough co-operative rough the TCCS D c categories of bornicro credit scheme od at Rs. 3,505 m 1998).	he Sanasa Developme d bank set up in 199' e and development or istrict Unions and Pri rowers and 1,516 mid s at the end of 1998. illion and Rs. 1,868 of the main Sarvoda	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The rro loans amounting Deposits mobilize million, receptively ya Movement, was o	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to y, at the end of 1998 established as a limited			
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operative Societies (TCCS) Credit Schemes Sarvodaya Economic	1008 (CBSI 's Annual Pe The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m members by TCCS stor (CBSL's Annual Report fi The SEEDS, which func liability company in 1999 The mandate of the comp of savings and extension lending NGO under a nu	s are operated by the SDB is a specialize prough co-operative rough the TCCS D is categories of bornicro credit scheme and at Rs. 3,505 m 1998).	he Sanasa Developme d bank set up in 199' e and development or istrict Unions and Pri rowers and 1,516 mic s at the end of 1998. illion and Rs. 1,868 of the main Sarvoda its own identity and e and implement a fiv age service to target nded credit schemes.	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The ro loans amounting Deposits mobilize million, receptively ya Movement, was e cater to micro and ve-year working plan groups. It also func It has also introduc	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to y, at the end of 1998 established as a limited small scale borrowers. covering mobilization tions as a participating ted its own micro loan			
operative Societies (TCCS) Credit Schemes Sarvodaya Economic Enterprise Development	1008 (CBSI 's Annual Be The TCCS credit scheme Primary Societies. The S the low-income groups th borrowers directly and th schemes targeting specifi been granted under its m members by TCCS stor (CBSL's Annual Report 1 The SEEDS, which func liability company in 1999 The mandate of the comp of savings and extension	s are operated by the SDB is a specialize prough co-operative rough the TCCS D is categories of bornicro credit scheme and at Rs. 3,505 m 1998).	he Sanasa Developme d bank set up in 199' e and development or istrict Unions and Pri rowers and 1,516 mic s at the end of 1998. illion and Rs. 1,868 of the main Sarvoda its own identity and e and implement a fiv age service to target nded credit schemes. r. During 1998, SEE	ent Bank (SDB) and 7 with a vision to rai iented financial serv mary Societies. The ro loans amounting Deposits mobilize million, receptively ya Movement, was e cater to micro and ve-year working plan groups. It also func It has also introduc	the TCCS District and se the income levels of ices. It grants loans to SDB has several loan to Rs. 21.2 million had d and loans granted to y, at the end of 1998 established as a limited small scale borrowers. covering mobilization tions as a participating ced its own micro loan			

Table H 2.12 Major On-going Credit Schemes - 2/2

	Foreign Funded Rura	l Credit Schemes					
	On the basis of the results of the experim poverty alleviation, the Small Farmers an Project, was implemented till the end of 19 Project was jointly funded by IFAD, CIDA CBSL. The approach taken in the Project the provision of a host of support services finance system for poverty alleviation.	d the Landless Credit Project 197 in four districts of Kandy, F and CBSL and implemented by essentially consisted of extended	(SFLCP), dubbed the "Isuru" Puttalam, Dalle and Matara. The y the Rural Credit Department of ing micro credit, associated with				
	The strategy adopted by the Project consisted of; 1) an entry to a village by a change agent and encouraging the target beneficiaries to form themselves into small self groups (SHGs) of people in identical poverty situations, 2) introduction of social mobilization programs covering areas of the creation of awareness of the reason for poverty, the way to get out of the poverty trap, group dynamics, inoculation of thrift and saving habits, credit discipline, leadership competence and development of occupational and entrepreneurial skills, and 3) provision of the Project facility through group lending system. These SHGs served to reduce the administration costs of banks and overcome the problem of lack of collateral through an inter-se guarantee arrangement, mutual guarantee by other group members.						
Isuru Project, Experiment in Poverty Alleviation through Micro Financing	In the implementation of the Project, a nu assist in social mobilization and/or retail administration costs, their familiarity with they had acquired over time as effective so which they were equipped to function as e project period was rated as remarkable b appropriately motivated, they could colle conditions and get out of the poverty tr summarized below.	lending. The engagement of N lending and engaging in rural of cial mobilizes and the wide spre ffective change agents. The act by the donors. This exercise h ctively achieve goals that perm	GOs was guided by their lower development work, the expertise ead grassroots level network with nievement of the Project over the has proved that, if the poor are nit them to advance their living				
	Achievements of Isu	ru Project: Over Project Period	1989-1997				
	Description	Puttalam District	Total Four Districts				
	No. of SHGs Formed	2,253	5,580				
	No. of Beneficiaries Covered	12,668	52,993				
	Total Amount of Loans (Rs. Million)	120	415.6				
	Average Size of a Loan (Rs.)	10,039	9,228				
	Recovery Rate (%)	96.2	94.0				
	Source: Annual Report 1998, CBSL						
	With the supply of foreign funds for the P task of continuing the project activities revolving fund. With the success of the SFL poverty alleviation project as a way to Hambantota, Badulla, Nuwara Eliva and M	by re-cycling the recoveries of CP in achieving its objectives, J replicate the SFLCP in six dis	f the Project accumulated in a BIC has agreed to fund a further				
Rural Development Project & Participatory Rural Development Project	The ADB funded Rural Development Projec Project (PRDP) in North Central Provinc projects aim at poverty alleviation through in Anuradhapura and Polonnaruwa District BC, Hatton National Bank and Seylan Ba components of the project amount to Rs. M the operation of the credit programs under t preparation stage in case of the PRDP, ma schemes.	e commenced operations in 19 the improvement of agricultura s. The PCIs of the credit comp nk, and the CBSL acts as the c Aillion 43 and 153, respectively he project is extremely limited in	96 and 1997, respectively. The l productivity and infrastructures onent of the projects are the PB, coordination agency. The credit v for RDP and PRDP. However, n case of the RDP and still at the				

	Major	Category				Interest	Maximum		Area		Incentives	by CBSL
	Lending	of				Rate	Loan Amount	Repayment	Area of	Source of	Credit	Interest
Credit	Institution	Borrowers	Purpose	Eligibility	Securities	per Annum	(Rs.)	Period	Operation	Funds	Guarantee	Subsidy
NCRCS	PB	Farmers	Cultivation of paddy & OFC	- Customer of Bank &	- Inter-se guarantee of two	12%	Depending on crops	8 months	Islandwide	Own fund	60%	10%
	BC			- Agro-Identity Card holder &	t other farmers							
	RDB			- Not a defaulter	- Other security acceptable to Bank							
				(Land ownership certificate	- If loan is less than Rs.5000							
				acceptable)	no security for new borrowers							
	PB	FOs	On-lending to members;	- Customer of Bank &	- Fixed deposit >12.5% of loan	12%	Depending of financial	8 months	Islandwide	Own fund	60%	10%
	BC		Cultivation of paddy & OFC	- Registered by AS &	- Other security acceptable		status of FOs					
	RDB			- Others								
Mid-Country	BC	Individual/	Farm crop development	- Recommendation of Proj. 8	c - Security documents under	14%	1.5 million	Depending	Matale,	Own fund		5%
Perennial Crops		Joint	Nursery Development	- Feasible technically &	AS Act No.58 of 1979			on	Kurunegala,	(ADB fund		
Dev. Proj.			Post-harvest & processing	viable financially &	- Inter-se guarantee of two			programs	Puttalam	exhausted)		
				- Contribute 20% of cost as	other farmers				& Others			
				equity &	- Other security acceptable to Bank							
				- Not a defaulter								
SURATHURA	PB	Non	Small scale agricultural &	- 18 - 50 years of age &	- No security required	10%	Rs.50,000: individual	3 years	Islandwide	Phase I		Phase II
	BC	Samurdhi	industrial projects	- Submit feasibility report &	- Guarantee of 1 family member		Rs.250,000:group of 5			CBSL		10%
	H.N.B 1/	beneficiary	Small scale trading activities	- Monthly income below						Phase II		
				Rs. 3000						Own fund		
SASANA	PB	Samurdhi	Self-employ by starting new	- Nominated by AGA	- No security required	10%	Rs. 10,000	3 years	Islandwide	Samudhi		
	BC	beneficiary	enterprises							Dev. Fund		
	RDB											
SAVANA	PB	Samurdhi	Aimed to develop Samurdhi	- Over 18 years of age	- No security required	10%	Rs. 50,000	6 to 24	Islandwide	Samurdhi		
	BC	beneficiary	beneficiaries & their family	- Not a defaulter			(min. Rs. 10,000)	months	except for	Dev. Fund		
			members to become effective	- Should possess NIC or any				depending	NP & EP			
			entrepreneurs	other ID acceptable to Bank	:			on loan				

Table H 2.13 Major On-Going Rural Credit Schemes in the Project Area and Their Terms & Conditions

1/: H.N.B --- Hatton National Bank Source: Office file of BC, Colombo

Table H 2.14 Major Credit Institutions

Formal Institutions	
Central Bank of Sri Lanka (CBSL)	The CBSL has a function as the executing agency for foreign funded credit schemes. The Bank is responsible mainly for admitting PCIs, issuing Operating Instructions to PCIs, disbursing refinance to PCIs in respect of loans under the projects. The credit schemes operated by the Rural Credit Department of the Bank include: New Comprehensive Rural Credit Schemes(NCRCS), Surathura Program Phase II, NCP Rural Development Project & 2nd Perennial Crops Development Project.
Bank of Ceylon (BC)	The BC is a state commercial bank and plays an important role in its contribution toward the socio-economic development in the rural area of the country. It has 296 branches throughout the country and 59 branches within the Project related districts. The major rural credit schemes provided by the BC include NCRCS, credit schemes under Samurdhi Program and New Enterprise Scheme for Self-employment. The number of beneficiaries of NCRCS up to the end of March 1999 totals some 600,000 and the recovery rate is reported to be at 74 %.
People's Bank (PB)	The PB is another state commercial bank actively involved in the rural banking and credit sector. It has 334 branches in the country and 54 branches within the Project related districts. The main agricultural credit schemes of the bank are the NCRCS and Credit Scheme for Purchasing Paddy. The total loan granted of the NCRCS up to the end of 1998 amounted at Rs. 4,265 million and the same of the latter was Rs. 1,407 million.
Wayamba (NWP) Development Banks & Raja Rata Development Bank (NCP)	The WDB was established in 1991 as a province-based rural development bank through the restructuring and amalgamation of the district-based Regional Rural Development Banks in NWP. The main purpose behind the establishment of the province-based development bank is to concentrate more on the poor and the weaker segments of the rural community. It has 28 branches in the province, 17 in Kurunegala District and 10 in Puttalam District. Its main credit schemes are the NCRCS and SASANA. The Raja Rata Development Bank in NCP is the same type of province-based regional development bank established recently.
Semi-formal and Non-for	mal Institutions
Thrift and Credit Co- operative Societies (TCCS)	TCCS are semi-formal organizations, which play an important role in financing the rural sector. They are voluntary organizations registered under the Co- operative Law, which mobilize savings from and make loans to the membership. Their organizational set-up consists of the primary societies at village levels, the district unions at district levels and the SANASA Federation at the central level, who act as an apex body of the societies. In 1995, there were 7,992 primary societies and 27 district unions. The membership of all the primary societies was 726,000 in the year. In the Study area, the district unions are established in Anuradhapura, Kurunegala, Puttalam and Matale. Credit schemes of TCCS are operated by the Sanansa Bank.
NGOs	Apart from the above institutions, NGOs are also engaged in the credit delivery system. The areas covered by such NGOs are limited and essentially operated on project basis. Some NGOs involved in the credit delivery include SANASA, Sarvodaya, the Women's Bureau and Lanka Mahila Samithi.
Non-formal Credit Institutions	The non-formal institutions appear to plays a significant role in the supply of credit in the rural area. Farmers sometimes prefer the non-informal institutions for credit sources due to its easy accessibility and quick dealings although the interest rates charged by the sector are considerably high compared with those of the formal sector. Such non-formal credit institutions include: - Pawning shops that account for considerable portion in loan portfolio in the rural area. Current prevailing interest rate is around 24 % per annum. - Professional moneylenders who lend money even without proper collateral. Current prevailing interest rate is between 10 to 20 % per month. - Semi-professional or non-professional moneylenders comprising of shop keepers, suppliers, dealers, landlords, relatives and etc.

					Interest Rates to	Disbursement upto	
		Funding		Original	Borrowers	Dec. 31, '98	Recovery
1.	Name of Project Second Perennial Crops Development Project (1998 - 2004)	Agency ADB	Broad Mission Increase production & commercialization of perennial crops, development of nurseries, post-harvest handling & processing activities & marketing	Allocation US\$15.7Mn.	% Av. weighted deposit rate + 2%	(Rs. Mn.) -	Rates -
2.	Southern Province Rural Development Project (1992 - 2004)	ADB	To improve quality of life of people in Southern Province	US\$8.1Mn.	14.0	342.5	-
4.	North-Central Province Participatory Rural Dev. Project (1996 - 2002)	IFAD, SIDA, WFP	Poverty alleviation, improve food security & nutrition & increase employment opportunities for low-income families	SL Rs.153 Mn	Existing market rate	-	-
3.	North-Central Province Rural Development Project (1997-2003)	ADB	Poverty alleviation, improve food security & nutrition & increase employment opportunities for low-income families	SL Rs.43 Mn	Existing market rate	-	-
5.	Food & Nutrition Promotion Credit Scheme (year commenced - 1997)	KR2	To increase food production & food processing techniques in the country	SL Rs.284 Mn	10.0	2.6	n.a.
6.	New Comprehensive Rural Credit Scheme (NCRCS) (1986 onward)	PCIs with gov. interest subsidy	Upliftment of rural farmers who cultivate short- term food crops	-	12.0	422 97/98 Maha & 98 Yala	70 (overall)
7.	Kegalle District Integrated Rural Development Project (revolving fund; 1997 - 2007)	Gov. of Sri Lanka	Uplift standard of living of people in the project area by promoting income-generating activities	SL Rs.100 Mn	10.0	50	n.a.
8.	Surathura Program Phase II (1998 onward)	PCIs with gov. interest subsidy	Increasing income & improving living standards of unemployed educated youth by promoting self-employment among them	SL Rs.1,000 Mn (target)	10.0	575.2	59.0 (as at June 30, '98)
9.	Japan U-Ko Micro Finance Project (2000 onward)	JAIB	To establish a cost effective and sustainable micro-credit delivery system to generate employment and improve saving habits	SL Rs. 1,300 Mn	20.0	-	-

Table H 2.15 Credit Schemes Operated by the Rural Credit Department of Central Bank of Sri Lanka

Source: Annual Report 1998, Central Bank of Sri Lanka & CBSL

			1995/96	1996	Tot	al	1996/97	1997	Tot	al
Commodity	Sector	Producers	Maha (t)	Yala (t)	(t)	(%)	Maha (t)	Yala (t)	(t)	(%)
Paddy	Gov.	Gov. Seed Farms	2,080	1,150	3,230		2,521	1,082	3,603	
	Sector	Contract Growers	490	890	1,380		828	231	1,059	
		Mahaweli Authority	-	-	180		-	-	700	
		Provincial Seed Farms	-	-	140		-	-	3,603 1,059	
		Sector Total	-	-	4,930	58	-	-		53
	Private	Farmers Organizations 1/	-	-	1,900		-	-	2,200	
	Sector	Cooperatives	-	-	1,460		-	-	1,400	
		Private Companies	-	-	180		-	-	1,400	
		Sector Total	-	-	3,540	42	-	-	5,000	47
Paddy Total					8,470	100			10,622	100
Field Crops	C	C	1 10	276	2.05		2.05	0.75	2 70	
Black Gram	Gov.	Government Seed Farms	1.19	2.76	3.95		2.95	0.75		
	Sector	Contract Growers Total	1.13 2.32	5.63 8.39	6.76 10.71		1.90 4.85	6.09 6.84		
		Total	2.32	8.39	10.71		4.83	0.84	11.09	
Mungbeans		Government Seed Farms	2.83	3.12	5.95		3.65	3.42	7.07	
		Contract Growers	28.75	3.58	32.33		17.69	0.13	17.82	
		Total	31.58	6.7	38.28		21.34	3.55	24.89	
Groundnut		Government Seed Farms	0.74		0.74		0.22	0.36	0.58	
		Contract Growers	4.29	17.02	21.31		4.89	9.05	13.94	
		Total	5.03	17.02	22.05		5.11	9.41	14.52	
Maize		Government Seed Farms	30.47	39.35	69.82		55.58	19.27	74.85	
		Contract Growers	10.89		10.89		12.34	0.46		
		Total	41.36	39.35	80.71		67.92	19.73	$\begin{array}{c} 5,622\\ 2,200\\ 1,400\\ 1,400\\ 5,000\\ \hline \\ 10,622\\ \hline \\ 3.70\\ 7.99\\ 11.69\\ \hline \\ 7.07\\ 17.82\\ 24.89\\ \hline \\ 0.58\\ 13.94\\ 14.52\\ \hline \\ 74.85\\ 12.80\\ 87.65\\ \hline \\ 10.93\\ 6.39\\ 17.32\\ \hline \\ 6.81\\ 5.55\\ 12.36\\ \hline \\ 2.88\\ 0\\ \end{array}$	
Cowpea		Government Seed Farms	7.55	1.88	9.43		6.77	4.16	10.93	
compet		Contract Growers	11.00	2.24	13.24		5.88	0.51		
		Total	18.55	4.12	22.67		12.65	4.67		
Soybeans		Government Seed Farms	2.74	4.63	7.37		4.42	2.39	6.81	
Soybeans		Contract Growers	0.14	6.65	6.79		0.35	5.20		
		Total	2.88	11.28	14.16		4.77	7.59		
									• • • •	
Pigeonpea		Government Seed Farms		2.79	6.56		0.43	2.45		
		Contract Growers Total	3.90 7.67	2.79	3.90 10.46		0.43	2.45		
		- 3mi		2.,)	10.10		0.15	2.13	2.00	
Others		Government Seed Farms	3.90	3.62	7.52		2.60	2.82		
		Contract Growers			0			0.49		
		Total	3.90	3.62	7.52		2.60	3.31	5.91	
Field Crops To	otal	Government Seed Farms	49.29	54.53	103.82		74.02	32.80	106.82	
•		Contract Growers	60.10	35.12	95.22		43.05	21.44		
		Total	109.39	89.65	199.04		117.07	54.24	171.31	

Table H 2.16. Production of Paddy and Field Crops Seeds by Sector

1/: Under 5-Acre Seed Farm Program (seed production programs) of SCPPC, DOA

Source: Administration Report 1996 & 1997, DOA

Government Seed Farms						
Government Seed Farms						
			0		380	38
Contract Growers	4,520	2,800	7,320	6,000	3,000	9,00
Total	4,520	2,800	7,320	6,000	3,380	9,380
Government Seed Farms	130	70	200	610	220	830
Contract Growers	800	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,380	2,180		
Total	930			1,410	1,600	3,010
Government Seed Farms	100	60	160	460	110	570
Contract Growers	410	1.750	2,160	750	270	1,020
Total					380	1,590
Government Seed Farms	120	20	140	50	10	60
						380
Total	120			50	390	440
Government Seed Farms	1.060	560	1 620	1 010	30	1,040
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			50	4,630	
Total		560			30	5,670
						160
						1,880
Total	610	1,380	1,990	1,530	510	2,040
Government Seed Farms			0	1,620	890	2,510
Contract Growers			0			0
Total	0	0	0	1,620	890	2,510
Government Seed Farms	500	330	830	1,260	1,580	2,840
Contract Growers	50	1,460	1,510	740	150	890
Total	550	1,790	2,340	2,000	1,730	3,730
d Government Seed Farms	2,090	1,220	3,310	5,050	3,340	8,390
Contract Growers	6,250	10,770	17,020	14,410	5,570	19,980
Total	,			,	8,910	28,370
	19		(t)	19		t)
rials	1005		[06.]	1004		08.)
		`	103.)	1)/(`	55.)
-						
-						
Total		,			102,358	
Passion Fruit		2,490			11,278	
1 .						
Ų						
		, 110				
		14 785				
Total					212,494	
Lemon		2,840			3,334	
Grape					2,791	
Total					6,125	
		6,530			6,834	
	Contract Growers Total Government Seed Farms Contract Growers Total Budded Mango Orange Mandarin Lime Guava Rambutan Avocado Others Total Passion Fruit Woodapple Papaya Amberella Pomegranate Lime Jak fruit Rambutan Others Total	Contract Growers 800 Total 930 Government Seed Farms 100 Contract Growers 410 Total 510 Government Seed Farms 120 Contract Growers 40 Total 120 Government Seed Farms 1,060 Contract Growers 40 Total 1,100 Government Seed Farms 180 Contract Growers 430 Total 610 Government Seed Farms 200 Contract Growers 50 Total 0 Government Seed Farms 500 Contract Growers 50 Total 550 Il Government Seed Farms 2,090 Contract Growers 50 Total 550 Il Government Seed Farms 2,090 Contract Growers 6,250 Total 8,340 	Contract Growers Total 800 2,500 Government Seed Farms Total 100 60 Contract Growers Total 110 1,750 Government Seed Farms Contract Growers 120 20 Contract Growers 1,060 560 Contract Growers 40 120 1,080 Government Seed Farms 1,060 560 560 Contract Growers 40 1,100 560 Government Seed Farms 180 180 180 Contract Growers 430 1,200 1,380 Government Seed Farms 500 330 1,200 Contract Growers 50 1,460 1,380 Government Seed Farms 2,090 1,220 1,790 IdGovernment Seed Farms 2,090 1,220 6,250 1,770 Total 1995/96 - 1996 (Montract Growers 50 1,460 Total 1995/96 - 1996 (Montract Growers 6,250 1,770 Budded Mango 68,640 0 68,640	Contract Growers Total 800 2,500 3,300 Government Seed Farms Contract Growers 100 60 160 Contract Growers 410 1,750 2,160 Total 510 1.810 2,320 Government Seed Farms 1,060 1,060 1,060 Contract Growers 1,060 560 1,620 Contract Growers 40 40 40 Total 1,100 560 1,660 Government Seed Farms 180 180 360 Contract Growers 430 1,200 1,630 Total 610 1,380 1,990 Government Seed Farms 0 0 0 Contract Growers 50 1,460 1,510 Total 0 0 0 0 Government Seed Farms 500 330 830 Contract Growers 50 1,460 1,510 Total 2,090 1,220 3,310 Contract	Contract Growers Total 800 2,500 3,300 800 Government Seed Farms 100 60 160 460 Contract Growers 410 1,750 2,160 750 Total 510 1,810 2,320 1,210 Government Seed Farms 1,060 560 1,060 50 Contract Growers 40 40 4,630 Total 120 1,080 1,200 50 Government Seed Farms 1060 560 1,660 5,640 Contract Growers 40 4,030 1,490 1,530 Government Seed Farms 180 180 1,990 1,530 Government Seed Farms 0 0 0 1,620 Contract Growers 0 1,620 1,640 1,510 740 Total 0 0 0 0 1,620 Contract Growers 500 1,330 830 1,260 Contract Growers 500 <td< td=""><td>Contract Growers Total 800 2.500 3.300 800 1.380 Government Seed Farms Total 100 60 160 460 110 Contract Growers Total 120 2.160 750 270 Government Seed Farms Contract Growers 120 2.0 140 50 10 Contract Growers Total 1.060 1.660 380 380 380 Government Seed Farms Contract Growers 40 40 4.630 30 Government Seed Farms 1.060 560 1.620 30 Government Seed Farms 180 180 360 40 120 Contract Growers 430 1.200 1.630 1.490 390 Government Seed Farms 50 1.380 1.990 1.530 510 Government Seed Farms 50 1.460 1.510 740 150 Government Seed Farms 50 1.460 1.50 740 150 Contract Growers 50 1.700</td></td<>	Contract Growers Total 800 2.500 3.300 800 1.380 Government Seed Farms Total 100 60 160 460 110 Contract Growers Total 120 2.160 750 270 Government Seed Farms Contract Growers 120 2.0 140 50 10 Contract Growers Total 1.060 1.660 380 380 380 Government Seed Farms Contract Growers 40 40 4.630 30 Government Seed Farms 1.060 560 1.620 30 Government Seed Farms 180 180 360 40 120 Contract Growers 430 1.200 1.630 1.490 390 Government Seed Farms 50 1.380 1.990 1.530 510 Government Seed Farms 50 1.460 1.510 740 150 Government Seed Farms 50 1.460 1.50 740 150 Contract Growers 50 1.700

Fable H 2.17 Production of Vegetable Seeds, Seed Potato and Planting Materials

Source: Administration Report 1996 & 1997, DOA

			Annual C	Cropping 1/	With F	Project	Paddy	Yield	Target	Paddy	Responsible	Agricultural Const	traints & Requirements of Extension Programs
		Command	Intens	sity (%)	Cropping	g Pattern	(t/ha	ı) 2/	Yield (t/ha) 3/	Extension	Identified	by Extension Agencies & Study Team
	Scheme	Area (ha)	Present	With Project	Paddy	OFC	Maha	Yala	Maha	Yala	Agencies	Constraints	Requirements of Extension Programs
Major	Nachchaduwa	2,540	160	200	170	30	4.4	3.8	5.0	5.0	IPEU 4/	- Insufficient skills of extension staff	- Paddy yield increase demonstration block with credit component
Schemes	Nuwarawewa	1,134	119	129	113	16	4.1	2.6				- Poor logistic support	- Seed production program
	Tissawewa	365	98	112	99	12	4.0	4.1				- OFC & vegetable seed supply	- Yield maximization program/trial
	Rajangana	5,668	-	154	133	21	4.0	4.1				- Inadequate deployment of field staff	- Upland on-farm water management trial/demonstration
												- Irrigation water shortage(sometimes)	- Improvement of logistic support
												- Access to farm credit	- Field staff training
Medium	Thuruwila	227	157	180	154	26	4.6	3.6	5.0	5.0	PDOA, NCP	- Irrigation water shortage	- Large scale demonstration
Schemes	Eru Wewa	34	200	200	170	30	3.6	3.6				- Insufficient skills of extension staff	(Large scale demonstration in a selected tank of a cascade)
	Uttimaduwa	93	100	180	172	8	3.2	2.5				- Inadequate deployment of field staff	- Demonstration of OFC, vegetables in paddy (crop diversification)
	Periyakulawa	91	121	157	146	11	4.2	3.6				- Farmers having less interest on OFC	- IPM
	Maminiyawa	211	110	143	124	19	4.4	1.7				- Poor logistic support	- Seed production program
	Maha Bulankulama	90	103	145	126	19	2.6	3.8					- Adaptive trials by extension agencies
Minor	Cascade I	303	77	87	79	9	3.9		5.0	5.0			- Agro-well
Schemes	Cascade II	278	49	76	76	0	4.0	3.2					- Soil conservation program(upland area)
	Cascade III	412	133	164	141	23	3.8	3.7					- Introduction of mobile extension services
	Cascade IV	350	51	107	104	2	2.8	2.9					- Improvement of logistic support
													- Staff training
Major	Palukadawela	956	145	148	128	20	3.6	2.7	5.0	5.0	PDOA, NWP	- Irrigation water shortage	- Large scale demonstration(paddy & crop diversification)
Schemes	Attaragalla	462	145	148	128	20	4.1	4.4				- Increase of production cost(paddy)	- Demonstration of integrated farming system
	Abakolawewa	410	150	150	130	20	4.3	4.2				- Seed supply(paddy)	- Demonstration on application of compost
	Magalle Wewa	2,632	152	149	128	21	4.3	4.8				- Land fragmentation(paddy)	- Water management demonstration
Medium	Angamuwa 5/						4.5	4.4	5.0	5.0		- Weed problem	- Field program with training component
Schemes	Mahananneriya	158	100	198	188	10	2.7					- Yield decline(upland)	- IPM
	Maha Galgamuwa	193	-	51	44	7	2.9					- Decline of or poor soil fertility(upland	- Water saving culture/trial
	Hulugallawewa	121	150	200	190	10	3.1	3.6				- Soil erosion(upland)	- Seed production program
	Meddeketiya	98	100	200	190	10	3.8	3.7				 Market price fluctuation(upland) 	- Agro-well & new irrigation method
	Moragoda Anicut	194	211	226	192	34	3.4	2.5				- Labor shortage	- Improvement of logistic support
Minor	Cascade VI	318	86	103	91	12	3.2	4.6	5.0	5.0		- Inadequate deployment of field staff	- Staff training
Schemes	Cascade VII	259	63	123	119	4	3.2	4.4				 Poor logistic support 	
	Cascade VIII	271	103	141	137	4	3.8	4.3					
	Cascade IX	139	136	166	159	7	2.8	2.9					
	Cascade V	180	101	112	99	13	3.1	3.0		Wa D	PDOA, CP		

Table H 3.1 Farming Constraints and Needs for Crop Sub-sector Support Programs Identified by Extension Agencies

1/: Present - average annual cropping intensity of 5 years from 1994 to 1998, results of Inventory Survey; With Project - proposed annual cropping intensity under the Project

2/: Irrigated paddy yield; results of Questionnaire Survey on 100 schemes by the Study Team, 1999

3/: Target paddy yields under the Project

4/: IPEU = Inter-provincial Extension Unit, Anuradhapura, DOA

5/: Command area included in Rajangana Scheme

							1	Major I	Proble	ms on	Farmi	ng Rep	orted	by Far	mers 2	/					Farm	ners In	tentior	ı to Im	prove l	Farmir	ng 4/		
								(Propo	rtion(9	6) of F	Farmers	Repo	rted) 3	3/					(Pı					•		ention)	5/	
Scheme Category	Scheme	Command Area (ha)	Paddy Yield Maha (t/ha) 1/	Paddy Yield Yala (t/ha) 1/	Irrigation Water Shortage	Drought Damaga	Low Yield of Crops	Damage by Pests & Diseases	Weed Damage	Damage by Wild Animaal	Loabour Shortage	Difficulty in Obtaining Seeds	Expensive Farm Inputs	Loack of Farm Road	Difficulty in Purchasing Agro-chemicals	Difficulty in Purchasing Fertilizers	Marketing Problems for Products	Problems Related with Loaan	To Acuire Irrigation Water	To Improve Irrigation Facilities	To Prevent Pests & . Diseases	To Prevent Damage by Wild Animal	To Prevent Weed Damage	To Improving Supplying System of Farm Inputs	To Introduce Improved . Seed Varieties	To Improve Farming Practices	To Strengthen Extension Services	To Improve Agricultural Credit Services	10 Introduce Mechanized Farming
Major	1 Nachchaduwa	2,540	4.4	3.8	34		36	78	46	36		32		28					40	48	72	30	50	28	76	62	30	28	
Schemes	2 Nuwarawewa	1,134	4.1	2.6	40		30	78	30			44							34	44	62		26	28	74	70	22	36	22
	3 Tissawewa	365	4.0	4.1	34		26	64	32		38	40							36	72	60		26		68	58	36	28	30
	4 Rajangana	5,668	4.0	4.1	20		34	90	46			26		44					32	52	88		38	32	88	62	26	38	24
	5 Palukadawela	956	3.6	2.7			34	72	26	62			26	54						30	68	54	28		56	28	1		
	6 Attaragalla	462	4.1	4.4	34		20	88	24	38				22					30	52	80	40	30		48	24	1		
	7 Abakolawewa	410	4.3	4.2	34		20	82	22	32			20	46					30	46	82	38	22		48	44		22	
	8 Magalle Wewa	2,632	4.3	4.8	38		46	90	62				44	22					48	68	84		62	26	78	44	22	20	20
Medium	9 Thuruwila	227	4.6	3.6			32	68	20	64		32		32	20	28			28	48	60	48	24	20	72	64	32	24	
Schemes	10 Eru Wewa	34	3.6	3.6	68	24	24	60		76		48		40				32	84	80	60	68	32		68	40	36	40	20
	11 Uttimaduwa	93	3.2	2.5	84	32	20	68	20	76		48		24	24				76	80	68	72	36		76	60	28	36	
	12 Periyakulawa	91	4.2	3.6	100	44	20	76	32	92		32		40					88	64	80	92	44	28	64	56	20	40	
	13 Maminiyawa	211	4.4	1.7	92	20	20	68	20	84		40		48					76	80	52	72	36		72	40	1	40	24
	14 Maha Bulankulama	90	2.6	3.8	100	80	28	80	44	68		44		32		24	20	36	92	72	60	64	56	36	68	44	28	28	24
	15 Angamuwa 6/		4.5	4.4	48		36	92	36			52						20	44	64	80	20	40	32	92	72	40	36	
	16 Mahananneriya	158	2.7		96	48	44	84	36	100		24							72	100	88	92	52		76	24	28		
	17 Maha Galgamuwa	193	2.9		100	60	44	84	32	100		20	28	40					80	100	84	92	48		80	40		36	
	18 Hulugallawewa	121	3.1	3.6	52		52	100	56				44	20					36	68	92		44	32	68	32		24	
	19 Meddeketiya	98	3.8	3.7	40	20	52	84	68				36	28					40	56	88		64	24	76	48	32	24	
	20 Moragoda Anicut	194	3.4	2.5	68		64	92	76				48						56	76	92		84	36	80	40	1	28	20
Minor	21 Cascade I	303	3.9		95	41		66				26							76	75	65		20	21	51	28		33	
Schemes	22 Cascade II	278	4.0	3.2	84	54	29	51	21	85		34			20	21		21	84	60	43	80	31		68	51	33	33	
	23 Cascade III	412	3.8	3.7	95	47		61		92		25							91	65	51	78	40		46	41	22	28	
	24 Cascade IV	350	2.8	2.9	99	56		63	21	91		44		32					84	77	51	77	37	26	86	68	30	42	20
	25 Cascade V	180	3.1	3.0	99	27	64	89	55			25	28						92	84	88		54	22	86	52	41	10	
	26 Cascade VI	318	3.2	4.6	74	38	46	69	31	39		31							73	58	59	32	30	21	63	42	21	40	
	27 Cascade VII	259	3.2	4.4	95	48	34	78	30	97			24	28					75	86	75	92	38		60				
	28 Cascade VIII	271	3.8	4.3	87	25	54	94	39				36	24					78	82	94		43	24	76	36		21	
	29 Cascade IX	139	2.8	2.9	73	23	73	85	80			28	40	28					75		95	uotod k	80	38	88	50	28	20	

Table H 3.2 Farming Constraints and Needs for Agricultural Support Programs by Scheme - 1/2

1/: Irrigated paddy yield; results of Questionnaire Survey on 100 schemes by the Study Team, 1999

4/: Results of Questionnaire Survey on 100 schemes conducted by the Study Team in the 1st Phase in 1999

 2/: Results of Questionnaire Survey on 100 schemes conducted by the Study Team in the 1st Phase in 1999
 5/

 3/: Problems reported by over 20% of respondents shown
 6/

5/: Intentions reported by over 20% of respondents shown 6/: Command area included in Rajangana Scheme

							Majo	or Prot	olems	in Co	mmur	nity 2/					D	evelop	ment	Needs	s 3/				N	o. of	FO Le	eaders	Selec	ted S	upport	Prog	rams 4	4/	
Scheme Category	Scheme	Command Area (ha)	Paddy Yield Maha (t/ha) 1/	Paddy Yield Yala (t/ha) 1/	Problems Related with Irrigation Water Supply	Land Problems / Encroachment	High Production Costs	Poor Extension Services	Not Enough OFC Cultivation	Marketing Problems	Lack of Transportation Facilities	Lack of Capital	Credit Facilities	Elephant Damage	Rehabilitation of Irrigation Facilities	Settlement of Land Problems	Provide Land for Cultivation	Improvement of Extension Services	Introduction of OFC Cultivation	Improvement of Marketing	Development of Transport & Infrastructure Facilities	Credit Facilities	Control of Elephant damage	Provision of Tractor & Farm Equipment	Extension & Farmer Training	Farm Input Supply	Seed Supply	Agricultural Credit	Marketing Facilities	Agricultural & Rural Facilities. Equipment	Others (Strengthening FOs, Timely Support etc.)	Inland Fisheries Program	Irrigation Sector Programs & Farm Road	Total No. of Programs Selected	No. of FOs Responded
Major	1 Nachchaduwa	2,540		3.8					x					x	x			1	x			Ŭ	x			1			2		1		19	23	10
Schemes	2 Nuwarawewa	1,134	4.1	2.6	х	х	х		х		х				х	х	х		х					4		2	1						10	17	6
	3 Tissawewa	365	4.0	4.1																				2		1				1	1		4	9	3
	4 Rajangana	5,668	4.0	4.1	х										х		х							5	3	2			2	4	2		21	39	13
	5 Palukadawela	956	3.6	2.7	х									х	х								х	3		1	1	1		2	1		4	13	6
	6 Attaragalla	462	4.1	4.4	х	х				х	х			х	х		х			х			х	4				1		2	3		5	15	5
	7 Abakolawewa	410	4.3	4.2	х					х				х	х					х				1	1	1			3	2	2		2	12	4
	8 Magalle Wewa	2,632	4.3	4.8	х	х				х		х			х	х					х		х	8	1	2			2	3	4		8	28	10
Medium	9 Thuruwila	227	4.6	3.6	х									х	х								х										3	3	1
Schemes	10 Eru Wewa	34	3.6	3.6	х			х					х					х				x		1	1								1	3	1
	11 Uttimaduwa	93	3.2	2.5	х						х				х					х				1		1							1	3	1
	12 Periyakulawa	91	4.2	3.6	x			x			х			x	х					х			x										3	3	1
	13 Maminiyawa	211	4.4	1.7	x										х																		3	3	1
	14 Maha Bulankulama	90	2.6	3.8	x									x	x								x	1						1			1	3	1
	15 Angamuwa 5/		4.5	4.4	x		х																												
	16 Mahananneriya	158			х							x		х	х							x								1			2	3	1
	17 Maha Galgamuwa	193	2.9		х	х				х				х	х					х		x		1					2		1		5	9	3
	18 Hulugallawewa	121			х					х				х	х									1									2	3	1
	19 Meddeketiya	98				х				х	х	х			х	х				х		х		1				1					4	6	2
	20 Moragoda Anicut	194			х						х	х			х									1	1		1		1	1			4	9	3
Minor	21 Cascade I	303			х					х	х		х		х							х		3			1						14	18	6
Schemes	22 Cascade II	278			х					х	х	х	х	х	х			х		х	х	х	х	3	2	3			2				13	23	8
	23 Cascade III	412									х		х	х	х		х				х	х	х	4		3				1	1		17	26	10
	24 Cascade IV	350					Х	х	ļ	ļ	х	L	х	х	<u> </u>								х	5	2			1			3		13	24	9
	25 Cascade V	180			х	х	Х		L	х	L	L	х		х	х	х					x		4	1	4					1		17	27	10
	26 Cascade VI	318			x	x		x		х		х		х	х		x			х		х	х	5	3			1	4	3	4	1	8	29	11
	27 Cascade VII	259			x					х				х	х	x				х		х	х	4	4	1		2		2			16	29	10
	28 Cascade VIII	271				х					х				х			х		Х		х		7		1		5	2	3	1		9	28	10
	29 Cascade IX	139				x				100				L	X		Ļ				4/• R€		C I	2	1	1		Ļ	1	1000			6	11	4

Table H 3.2 Farming Constraints and Needs for Agricultural Support Programs by Scheme - 2/2

1/: Irrigated paddy yield; results of Questionnaire Survey on 100 schemes by the Study Team, 1999 2 & 3/: Results of RRA Workshop in 1999 5/: Command area included in Rajangana Scheme 4/: Results of Inventory Survey on 100 schemes in 1999

			Addressed under the Project
Sector/Sub-sector/Field	Major Constraints	Target Areas	Program Category/Approaches
Agricultural Sector Crop Sub-sector	 Stagnant productivity Low cropping intensity in irrigated areas Crop losses due to pests, diseases & weed infestation Unstable OFC production & limited crop diversification Increased production costs 	 Improvement of productivity Improvement of cropping intensity Introduction of IPM approach Selection of crops based on local adaptability Rational use of chemicals 	Strengthening of support services Packaged or integrated implementation Participatory planning & implementation
- Agricultural Research	 Wide gaps between research & farm yields Lack of site specific technology attractive to farmers 	 Adaptive research on food crops Development of site specific technologies 	Trial programs: Adaptive trial programs in collaboration with extension agencies
	- Poorly established research-extension linkage	- Strengthening of research-extension-farmer linkage-	Institutional set-up & management system
- Agricultural Extension	- Constraints in crop sub-sector	- Extension programs to support the agricultural development plan under the Project	Strengthening of support programs Packaged or integrated extension programs
	 Weak co-ordination & collaboration among institutions Extension system within the capability of current manpower resources yet to be established Farmer participatory approach yet to be established 	Institutional set-up & management system for support programs - Institutionalize participatory approach in system	Straightening within capacity of extension agency Institutional set-up & management system for support programs in crop sub-sector
	 Insufficient deployment of extension staff ADPAs with limited experiences & skills expected to take village extension roles in future 	Strengthening collaboration with DAS/DO/ADPA Human resources development/training	Establishment of Project Management Unit Training programs/ADPA training
	 Supervision & guidance by senior staff limited Poor logistic support 	 Allocation of supervision costs in programs Strengthening of logistic support 	Allocation of supervision costs Logistic Support Strengthening Program
- Seed & Planting Material Supply	 Insufficient & untimely supply of quality seed & planting materials Government seed supply capacity fail to meet demand Privatization of seed production still limited 	Improvement of seed supply in the Study area	Seed production program Establishment of "Farmer Center" with storage
	- Poorly established provincial seed farm	- Upgrading of provincial seed farm	→ Upgrading of provincial seed farm
- Agricultural Credit	 Insufficient coverage of cultivation loans High transaction costs & cumbersome procedures Difficulty in meeting eligibility set by banks 	Cultivation credit with group loan arrangement	Agricultural credit program/cultivation loans
	- Shortage of funds for procurement of machinery/facilities	- Medium term credeit with group loan arrangement -	Medium term credeit with group loan arrangement
- Agricultural Support Facilities	- Poorly equipped or established training institutions	- Strengthening of training institutions	→ Upgrading of training institutions
Livestock Sub-sector	- Poor extension activities/coverage in animal husbandry	- Improvement of extension coverage	► Upgrading of IFTC, Nikaweratiya
	- Poor logistic support	- Strengthening of logistic support	► Logistic Support Strengthening Program
Inland Fishery Sub-sector	- Insufficient extension activities/coverage	- Establishing extension activities of NAQDA	Establishment of Aqua-culture Extension Center
Farmers/FOs Support Organization/Facilities	- Poorly established or lack of facilities/equipment	- Improvement/establishment of support facilities	Establishment/strengthening of support facilities
	- Inadequate technical skills of staff	- Staff training –	Training programs/DOs & ADPAs training
	- Poor logistic support	- Strengthening of logistic support	► Logistic Support Strengthening Program
Institutional Set-up & Management System	 Involvement of multitude of institutions Poorly established coordination/collaboration 	 Establishment of project management body Institutionalization of coordination & collaboration 	Establishment of Project Management Unit Project management system & institutional set-up

Table H 3.3 Approaches for Formulation of Strengthening Plans of Agricultural Support Programs by Sector/Sub-sector

Table H 3.4 Proposed Support Programs under the Project - 1/3

I. Agricultural Support Programs - 1/2

Program Category / Program	Program Description	Primary Objectives	Primary Target Areas/Group	Program Cost (Rs.000)	Implementation Agency
I-1. Extension Programs - Field Program					
1. Adaptive Trials	Adaptive trials of site specific package or element technologies on paddy, OFC & vegetables	To develop site specific technologies to improve productivity	Selected target schemes on need basis	30/unit	PDOAs/IPEU
2. Small-scale Demonstration Program (Demonstration Plot)	Demonstration of recommended package or element technologies on paddy, OFC & vegetables; Paddy : 1.0 ha OFC/vegetables: 0.1 & 1.0 ha	To demonstrate recommended practices operated by farmers & potential for productivity increase	Schemes where still exist substantial yield gaps	16/unit(paddy) 10/unit(OFC)	PDOAs/IPEU
3. Cropping Pattern Demonstration Program	Demonstration of proposed cropping pattern of paddy-OFC Paddy-OFC: 5 ha	To demonstrate crop diversification To improve cropping intensity and rationalization of land & water use	Schemes still have substantial room to improve cropping intensity	64/unit	PDOAs/IPEU
4. Large-scale Demonstration Program (Demonstration Block/Farm)	Large scale demonstration for improvement of productivity through introduction of recommended or appropriate technologies on paddy & OFC Block: Paddy 20 - 30 ha or 1 minor scheme Farm: Paddy & OFC: 5 ha	To promote adoption of recommended or appropriate technologies by FO or farmer group	Schemes where still exist substantial room for productivity increase	130/unit(block) 40/unit(farm/paddy 30/unit(farm/OFC)	PDOAs/IPEU)
5. Productivity Increase Program	Large scale package program for improvement of paddy productivity; (integrated with cultivation loan) 25 ha or 1 minor scheme	To promote adoption of package technology to increase productivity	FOs/farmer groups having intention to adopt package technology	20/unit	PDOAs/IPEU
6. Integrated Pest Management (IPM)	Large scale operation of IPM (Integrated Pest Management) on paddy & OFC 20 - 30 ha or 1 minor scheme	Introduction of IPM for pest & disease control	Selected target schemes on need basis	100/unit	PDOAs/IPEU
I-2. Extension Programs - Farmer Training Pr	rogram				
1. Induction Farmer Training	Guidance on supporting services under the Project to representatives of FOs/farmer groups	Dissemination of approaches taken under the Project; farmer to farmer	Representatives FOs/farmer groups of target schemes of the Project	28/unit	PDOAs/IPEU
2. Induction Farmer Guidance	Guidance by representatives participated in induction training on supporting services under the Project	Dissemination of approaches taken under the Project	All beneficiaries or representatives of them of target schemes	8/unit	PDOAs/IPEU
3. Farmer Training	Farmer training on specific subjects; representatives of FOs/farmer groups; (on need basis)	Training of farmer representatives on specific subjects	Selected target schemes on need basis	30/unit	PDOAs/IPEU
4. Workshop/Mass Guidance	Workshop on program formulation(seasonal) Mass guidance on specific subjects(on need basis)	Participatory planning of programs Guidance on specific subjects	All target schemes on need basis Workshop for initial 2 years	5/unit	PDOAs/IPEU
5. Campaign (seed, wild animal control etc.)	Village level campaign for quality seed adoption or rat/wild pig control	Dissemination of adoption of quality seed or cooperative rat/wild pig control	Schemes with low adoption rate of quality seed or suffering rat/wild pig	10/unit	PDOAs/IPEU
6. Study Tour	Field visits to advanced schemes	To learn from advanced farmers/FOs	Representatives of FOs/farmer groups	13/unit	PDOAs/IPEU

Note: Program cost estimates are detailed in Table R 3.2 of Appendix R of Volume II Appendixes-2 Feasibility Study

Table H 3.4 Proposed Support Programs under the Project - 2/3

I. Agricultural Support Programs - 2/2

				Program Cost	Implementation
Program Category / Program	Program Description	Primary Objectives	Primary Target Areas/Group	(Rs.000)	Agency
I-3. Seed Production Program					
1. Seed Production Program (paddy & OFC)	Self production & supply of quality paddy or OFC seed within schemes or FOs	To improve & ensure quality seed supply through self production program	Selected target schemes on need basis Preferably, advanced farmers	7/unit	PDOA/IPEU
I-4. Agricultural Credit Program					
1. Cultivation Loan Program (paddy & OFC)	Provision of cultivation loans with group loan arrangement & under revolving arrangement; to be implemented in an integrated manner with "productivity increase program"	To support adoption of package technology to increase productivity	FOs/farmers groups having intention to adopt package technology	15/ha	PMU, DAS
2. Medium Term Credit Program	Provision of credit with group loan arrangement for purchasing farm machinery/equipment & animal and construction of farm facilities		g FOs/farmers groups	500/unit handtractor assume	Banks/PMU ed
I-5. Institutional Strengthening Program					
1. Logistic Support Strengthening Program					
1) Provision of Vehicle	Provision of vehicles to PDOA/IPEU	Improvement of logistic support status	PDOA, NCP & NWP & IPEU	1,200/unit	PDOAs/IPEU
2) Provision of Computer Set	Provision of computer sets to PDOA/IPEU for monitoring supporting programs under the Project	To support establishment of project monitoring & evaluation activities	PDOA, NCP & NWP & IPEU	200/set	PDOAs/IPEU
2. Staff Training Program					
1) Induction Staff Training	Induction training of PDOA/IPEU staff & AI	Guidance on the Project & training of target groups on Project activities	All staffs & AIs concerned with the Project	42/unit	PDOAs/IPEU
2) Refresher Training/In-service Training	In-service training of PDOA/IPEU staff & AI	Training/guidance on specific subjects	Staffs & AIs on need basis	42/unit	PDOAs/IPEU
3. Institutional Strengthening					
 Strengthening of Guidance, Supervision & Coordination 	Allocation of costs for guidance, supervision, coordination & field operations	Improvement of logistic support status	PDOA, NCP & NWP & IPEU		PDOAs/IPEU
2) Strengthening of Research-Extension- Farmer Linkage	Provision of budget for strengthening of PTWG & Diagnostic Teams	To strengthen of Research-Extension- Farmer Linkage	PDOA, NCP & NWP & IPEU		PDOAs/IPEU
4. Upgrading of ISTI, Maha Illuppallama	Provision of training equipment & transport vehicle Components: training equipment & 1 vehicle(bus)	To improve & strengthen training services of ISTI	ISTI, Maha Illuppallama	9,900/program	PDOA, NCP

II. Strengthening of Farmers & FOs Support Institutions & Facilities -1/2

				Program Cost	Implementation
Program Category / Program	Program Description	Primary Objectives	Primary Target Areas/Group	(Rs.000)	Agency
II-1. Strengthening of Farmers/FOs Support F	Tacilities				
1. Establishment of "Farmer Center"	Establishment of multipurpose farmer centers at related GN divisions; Center with rooms for FO & FA/ADPA office & store, space for meeting, temporary storage of inputs & collection/selection of farm products etc.	Deployment of multipurpose center to support FOs/farmer groups/farmers	Project related FOs	1,320/center	DAS

Note: Program cost estimates are detailed in Table R 3.2 of Appendix R of Volume II Appendixes-2 Feasibility Study

Table H 3.4 Proposed Support Programs under the Project - 3/3

II. Strengthening of Farmers & FOs Support Institutions & Facilities - 2/2

				Program Cost	Implementation
Program Category / Program	Program Description	Primary Objectives	Primary Target Areas/Group	(Rs.000)	Agency
II-1. Strengthening of Farmers/FOs Support Fa	acilities - continued				
2. AS Center Strengthening Program					
1) Provision of Vehicles	Provision of vehicles to project related ASCs;	Strengthening ASC activities	Project related 3 ASCs	1,200/unit	PMU
2) Renovation of AS Center Building and/or Provision office/Training Equipment	Renovation of project related ASC Centers Provision office equipment to project related ASCs	Strengthening ASC activities	Project related 4 ASCs	600/center	PMU
II-2. Strengthening of Farmers/FOs Support In	astitutions				
1. Provision of Vehicles/DAS	Provision of vehicles to project related DASs	Strengthening of activities of DAS	Project related 2 DAS district offices	1,200/unit	DAS
2. Staff Training					
1) Induction Training of DO	Induction Training of DOs in project related ASCs	To provide guidance on Project & support programs	DOs stationed in project related ASCs	42/unit	DAS
2) Induction Training of ADPA	Induction Training of ADPAs assigned to project related GN divisions	To provide guidance on Project & technical & extension skills	ADPAs in project related GN divisions	42/unit	DAS
3) Refresher Training	Seasonal refresher training of DOs & ADPAs in project related ASCs or GN divisions	To improve management & technical skills & M&E of support programs	DOs & ADPAs in project related ASCs & GN divisions	42/unit	DAS

III. Support Programs for Income Generation

				Program Cost	Implementation
Program Category / Program	Program Description	Primary Objectives	Primary Target Areas/Group	(Rs.000)	Agency
III-1. Crop Sub-sector					
1. Upgrading of Seed Farm, Galgamuwa	Renovation of Seed Farm for increased production of quality planting materials (fruits) & for provision of training to private nursery Components: 4 sheds, irrigation system, water pump, office, training equipment, vehicle etc.	To expand supply of quality planting materials in the Project areas	Provincial Seed Farm, Galgamuwa	11,145/program	PDOA, NWP
III-2. Livestock Sub-sector					
1. Upgrading of IFTC, Nikaweratiya	Expansion of training facilitates & provision of transportation vehicle Components: 1 training building, 1 hostel, 1 manager quarter, 1 dairy shed, 1vehicle(micro-bus)	Improvement of extension coverage for strengthening of farmer training	IFTC, Nikaweratiya	9,214/program	PDAPH, NWP
2. Provision of Vehicle	Provision of vehicles to veterinary surgeon offices 1 VS Office in Galgamuwa	To strengthen mobile veterinary & extension services	Major milk producing divisions	1,200/unit	PDAPH, NWP
III-3. Inland Fisheries Sub-sector I. Inland Fisheries Support Facilities	Establishment of Agua cultural Extension Center	To astablish inland fishery avtancion	Anuradhanura	3.050/center	NAQDA
1) Establishment of Aqua-culture Extension Center, Anuradhapura	Establishment of Aqua-cultural Extension Center Components: center building(office & lecture room) training equipment, office facilities	To establish inland fishery extension services in the Project areas	Anuradhapura	3,030/center	אעעאא

Note: Program cost estimates are detailed in Table R 3.2 of Appendix R of Volume II Appendixes-2 Feasibility Study

											Ne	eds for	Suppo	rt Progr	ams: 1	1st	Priority	Progra	um 2	2nd	l Priorit	ty Prog	ram				
																									Seed		
							1.7	Frial																Produ	uction		Credit
							Prog	rams			2	. Field	Program	ns		1		3. F	armer [Frainin	g Progr	ams	r	Prog	rams	Prog	grams
Scheme		Command	Cropping 1	2	Crop	Project pping m (%)	Adaptive Trials, Paddy	Adaptive Trials, OFC & Vegetables	Demonstration Plots, Paddy	Demonstration Plots, OFC & Vegetables	Cropping Pattern Demonstration	Demonstration Block/Farm, Paddy	Demonstration Farm, OFC	Paddy Productivity Increase Program	IPM, Paddy	IPM, OFC	Induction Training on Project Approaches	Induction Farmer Guidance	Farmer Training	Workshop/Mass Guidance	Rat/Wild Pig Control Campaign	Seed Campaign	Study Tour	Paddy Seed Production Program	OFC Seed Production Program	Cultivation Loans (Paddy)	Cultivation Loans (OFC & vegetables)
Category	Scheme	Area (ha)	Present	Project	Paddy	OFC	1-1	1-2	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	3-1	3-2	3-3	3-4	3-5	3-6	3-7	4-1	4-2	5-1	5-2
Major	Nachchaduwa	2,540	160	200	170			1	2	1	1	1	1	1	1	1	1	1	2	1		1	2	1	1	2	1
Schemes	Nuwarawewa	1,134	119	129	113		2	1	2	1		1	1	1	1	2	1	1	2	1		1	2	1		2	2
	Tissawewa	365	98	112	99			2	2	2		1		2	1		1	1	2	1		1	2			2	2
	Rajangana	5,668	-	154	133		2	1	2	1	1	1	1	1	1	1	1	1	2	1		1	2	1	1	2	1
	Palukadawela	956	145	148	128		2	1	1	1	1	1	1	1	1	2	1	1	2	1		1	2	2	2	2	2
	Attaragalla	462	145	148	128	-		2	2	2	2	1		2	1		1	1	2	1		1	2	2		2	2
	Abakolawewa	410	150	150	130			2	2	2	2	2	1	2	1		1	1	2	1	2	1	2	2		2	2
	Magalle Wewa	2,632	152	149	128		2	1	2	1	1	1	1	1	1	1	1	1	2	1		1	2	1	1	2	1
Medium	Thuruwila	227	157	180	154				2	2		1		2	1		1	1	2	1		1	2			2	2
Schemes	Eru Wewa	34	200	200	170					2		2		2	1		1	1	2	1	1	1	2			2	<u> </u>
	Uttimaduwa	93	100	180	172				1	2		2		1	1		1	1	2	1	1	1	2			1	<u> </u>
	Periyakulawa	91	121	157	135				2	2		2		2	1		1	1	2	1		1	2			1	2
	Maminiyawa	211	110	143	124				2	2		1		2	1		1	1	2	1	1	1	2	2		1	2
	Maha Bulankulama	90	103	145	126				2	2		2		1	1		1	1	2	1		1	2			2	<u> </u>
	Mahananneriya	158	100	198	188				1	2		2		1	1		1	1	2	1		1	2	2		2	
	Maha Galgamuwa	193	-	51	44		1		1	2		2		1	1		1	1	2	1		1	2	2		2	<u> </u>
	Hulugallawewa	121	150	200	190				1	2		2		2	1		1	1	2	1		1	2	2		2	<u> </u>
	Meddeketiya	98	100	200	190				2	2		2		2	1		1	1	2	1	2	1	2			2	<u> </u>
	Moragoda Anicut	194	211	226	192	34	2	2	1	1	2	1		1	1		1	1	2	1		1	2	2		2	2
Minor	Cascade I	303	77	87	79		2		2	2		1		2	1		1	1	2	1		1	2	2		2	2
Schemes	Cascade II	278	49	76	76		2		2			1		2	1		1	1	2	1		1	2	2		1	+
	Cascade III	412	133	164	141	23	2		2	1	2	1		2	1		1	1	2	1		1	2	2		1	1
	Cascade IV	350	51	107	104	2	1		1	2		1		1	1		1	1	2	1		1	2	2		1	+
	Cascade V	180	101	112	99	13	2		1	2		1		1	1		1	1	2	1		1	2	2		2	2
	Cascade VI	318	86	103	91	12	2		2	2		1		2	1		1	1	2	1		1	2	2		1	2
	Cascade VII	259	63	123	119		2		2	2		1		2	1		1	1	2	1		1	2	2		1	<u> </u>
	Cascade VIII	271	103	141	137	4			2	2		1		2	1		1	1	2	1	<u> </u>		2	2		2	<u> </u> !
	Cascade IX	139	136	166	159	7	1		1	2		1		1	1		1	1	2	1		1	2			2	

Table H 3.5 Needs for Support Programs in Crop Sub-sector by Scheme

1/: Present - average annual cropping intensity of 5 years from 1994 to 1998; With Project - target annual cropping intensity under the Project

Program	Program Scale	Crop	Basic Criteria for Estimation of Program Requirements
I. Agricultural Support Programs			
I-1. Extension Programs - Field Program 1. Adaptive Trial		paddy	1 unit per 200 - 500 ha (command area)
1. Adaptive That			
2. Demonstration Plot	1 ha	OFC paddy	1 unit per 100 - 200 ha (OFC area) 1 unit per 50 ha (command area) or per FG (farmer groups)
2. Demonstration 1 for			
	1 ha	OFC	1 unit per 50 ha (OFC area)
2 Companies Detterm	0.1 ha	OFC	1 unit per 5 ha(OFC/vegetable area)
3. Cropping Pattern 4. Demonstration Block	5 ha 25 ha	paddy/OFC paddy	1 unit per 50 - 100 ha(OFC area) 1 unit per 150 - 250 ha (command area) or per 5 FGs
5. Demonstration Farm	5 ha	paddy	1 unit per 50 - 100 ha (command area) or per 2 FGs
	5 ha	OFC	1 unit per 50 - 100ha(OFC area)
6. Paddy Productivity Increase Program	25 ha	paddy	1 unit per 100 - 250 ha (command area)
7. IPM	25 ha or 25 - 50 farmers	paddy	1 unit per 150 - 250 ha (command area) or per 5 FGs
	25 ha or 25 - 50 farmers	OFC	1 unit per 100 - 200 ha (OFC area)
I-2. Extension Programs - Farmer Training Progr			
1. Induction Farmer Training	25 participants		1 representative per FO or FG
2. Induction Farmer Guidance	50 participants		1 guidance/ 2-3 FOs or FGs
3. Farmer Training	25 participants		1 representative per FO or FG
4. Workshop/Mass Guidance			Per village or scheme
5. Seed Campaign			Per village or scheme
6. Other Campaigns			Per village or scheme
7. Study Tour	25 participants		1 representative per FO or FG
I-3. Seed Production Programs	25 participants		representative per roor ro
1. Paddy Seed Production Program			1/20 - 1/40 of command area
2. OFC Seed Production Program			1/20 - 1/40 of OFC area with project conditions
I-4. Agricultural Credit Programs			r Jana I and I
1. Cultivation Loan Program (Paddy)		paddy	20 - 30 % of irrigated area in total
2. Cultivation Loan Program (OFC & vegetables)		OFC	30 - 40 % of OFC area in total
3. Medium Term Credit Program			1 unit per 100 ha (model operation)
I-5. Institutional Strengthening Program			
1. Logistic Support Strengthening Program			
1-1. Provision of Vehicle			2 units each for IPEU & PDOA, NCP & NWP
1-2. Provision of Computer Set			2 sets each for IPEU & PDOA, NCP & NWP
2. Staff Training Program 2-1. Induction Staff Training			Du province district on Droject
0			By province, district or Project
2-2. Refresher/In-service Training 3. Institutional Strengthening			Seasonal by province, district or Project
3-1. Strengthening of Guidance/Supervision/Co	ordination		Annual allocation for IPEU & PDOA, NCP & NWP
3-2. Strengthening of Research-Extension-Farm			Annual allocation for PDOA, NCP & NWP
4. Upgrading of ISTI, Maha Illuppallama			Synchronize with training programs
II. Strengthening of Farmers & FOs Support Instit			
II-1. Strengthening of Farmers/FOs Support Fac	ilities		
1. Establishment of "Farmer Center" 2. AS Center Strengthening Program			1 unit each for FO
2-1. Provision of Vehicle/AS Center			For major project related ASCs; 9 units in total Nachchaduwa, New Town, Ipalogama, Mahananneriya, Rajangana I Rajangana L, Nikaweratiya, Ehetuwewa, Galugamuwa
2-2. Renovation of Building, Office/Training E	quipment		For major project related ASCs; 10 units in total Nachchaduwa, New Town, Ipalogama, Mahananneriya, Rajangana I Rajangana L, Nikaweratiya, Ehetuwewa, Galugamuwa, Tirappane
II-2. Strengthening of Farmers/FOs Support Inst	itutions		
1. Provision of Vehicle/DAS 2. Staff Training Program			1 unit each for DAS Anuradhapura & Kurunegala
2. Starl Training Program 2-1. Induction Training of DO/ADPA			By district or Project
			Seasonal by district or Project
2-2 Refresher Training			Seasonal by district of 110jeet
2-2. Refresher Training III. Support Programs for Income Generation			
III. Support Programs for Income Generation			Synchronize with income generation plan
III. Support Programs for Income Generation III-1. Crop Sub-sector 1. Upgrading of Seed Farm, Galugamuwa			Synchronize with income generation plan
III. Support Programs for Income Generation III-1. Crop Sub-sector			Synchronize with income generation plan Synchronize with income generation plan
III. Support Programs for Income Generation III-1. Crop Sub-sector 1. Upgrading of Seed Farm, Galugamuwa III-2. Livestock Sub-sector 1. Upgrading of IFTC, Nikaweratiya			Synchronize with income generation plan
III. Support Programs for Income Generation III-1. Crop Sub-sector 1. Upgrading of Seed Farm, Galugamuwa III-2. Livestock Sub-sector			

Table H 3.6 Basis Criteria for Estimation of Support Program Requirements

Scheme: Nachchaduwa, Anuradhapura 2,540 ha Unit: Rs.000 Years after Commencement of Project Implementation 6th 7th 2nd 3rd 4th Total Unit Cost 1st 5th Implementation Unit (Rs. 000) Q'ty Amount Q'ty Amount Q'ty Amount Q'ty Amount O'ty Amount Q'ty Amount Q'ty Amount O'ty Amount Sector/Sub-sector/Programs Agency Awareness Program Implementation Schedule of Irrigation Works I. Agricultural Support Programs I-1. Extension Program - Field Programs 30 120 IPEU 1-1. Adaptive Trials, Paddy unit 60 60 30 60 120 240 IPEU 1-2. Adaptive Trials, OFC & Vegetables 2 4 60 unit 2 16 80 240 IPEU 1-3. Demonstration Plots, Paddy unit 5 5 80 5 80 15 50 10 10 100 10 100 100 10 100 45 450 IPEU 1-4. Demonstration Plots, OFC & Vegetables unit 5 10 128 256 1-5. Cropping Pattern Demonstration unit 64 2 128 2 128 256 14 896 IPEU Δ 130 260 1,820 IPEU 1-6. Demonstration Block, Paddy unit 2 2 260 4 520 520 2 260 14 40 1-7. Demonstration Farm, Paddy unit 1-8. Demonstration Farm, OFC unit 30 30 60 120 120 120 15 450 IPEU 2 4 unit 20 80 Δ 80 160 120 22 440 IPEU 1-9. Paddy Productivity Increase Program Δ 6 100 200 400 300 300 200 1.400 IPEU 1-10 IPM, Paddy unit 2 Δ 14 3 2 600 IPEU 1-11 IPM, OFC unit 100 2 200 200 2 200 2 I-2. Extension Program - Farmer Training Programs 84 IPEU 2-1. Induction Farmer Training unit 28 3 84 192 IPEU 24 192 24 2-2. Induction Farmer Guidance unit 8 2-3. Farmer Training unit 30 90 90 90 90 12 360 IPEU 2-4. Workshop/Mass Guidance unit 5 15 6 30 15 15 15 18 90 IPEU 3 3 2-5. Seed Campaign 10 30 60 30 12 120 IPEU unit 3 6 3 2-6. Rat/Wild Pig Control Campaign unit 10 0 0 13 13 39 39 13 104 IPEU 2-7. Study Tour unit I-3. Seed Production Programs 3-1. Paddy Seed Production Program 20 140 40 280 280 100 700 IPEU ha 40 280 IPEU 3-2. OFC Seed Production Program ha 10 70 20 140 10 70 40 Agricultural Support Programs Total 0 1,189 1,621 2,112 2,220 1,444 0 8,586 I-4. Agricultural Credit Programs 4-1. Cultivation Loans (Paddy) ha (100) (1,500) (100) (1,500) (200)(3,000)(150)(2,250)(550) (8,250) PMU (15)(3,750) PMU ha (15)(50) (750) (50)(750) (50) (750) (100)(1,500)(250)4-2. Cultivation Loans (OFC & vegetables) Credit Program Sub-total ha (150)(2.250)(150)(2.250)(250)(3.750)(250) (3,750) (800) (12.000)500 3,000 3,000 3,000 12,000 PMU 4-3. Medium Term Credit Program unit 6 3,000 6 6 24 Agricultural Credit Program Total 0 0 5.250 5,250 6,750 6,750 0 24,000 **Total Program Costs by Scheme** 0 1,189 6,871 7,362 8,970 8,194 0 32,586 II. Strengthening of Farmers & FOs Support Institution/Facilitates II-1. Establishment of Farmers/FOs Support Facilities 18,480 DAS, Anuradhapura 1,320 9,240 9,240 1-1. Establishment of "Farmer Center" unit 7 7 14

Table H 3.7 Overall Work Programs by Scheme - 1/28

Scheme: Nuwarawewa, Anuradhapura 1,134 ha Unit: Rs.000 Years after Commencement of Project Implementation 2nd 6th 7th Unit Cost 3rd 4th 5th Total 1st Implementation Q'ty Amount Unit (Rs. 000) Q'ty Amount Q'ty Amount Q'ty Amount Q'ty Amount O'ty Amount O'ty Amount O'ty Amount Sector/Sub-sector/Programs Agency Awareness Program Implementation Schedule of Irrigation Works I. Agricultural Support Programs I-1. Extension Program - Field Programs 30 120 IPEU 1-1. Adaptive Trials, Paddy unit 60 60 30 60 120 IPEU 1-2. Adaptive Trials, OFC & Vegetables 2 60 unit 2 16 32 96 IPEU 1-3. Demonstration Plots, Paddy unit 4 64 2 1-4. Demonstration Plots, OFC & Vegetables unit 10 4 40 6 60 60 60 60 28 280 IPEU 6 6 6 1-5. Cropping Pattern Demonstration unit 64 0 130 1-6. Demonstration Block, Paddy unit 260 2 260 260 2 260 1,040 IPEU 40 1-7. Demonstration Farm, Paddy unit 1-8. Demonstration Farm, OFC unit 30 60 120 IPEU 60 1-9. Paddy Productivity Increase Program unit 20 40 60 60 60 11 220 IPEU 100 200 200 200 100 700 IPEU 1-10 IPM, Paddy unit 2 2 2 200 IPEU 1-11 IPM, OFC unit 100 100 100 1 I-2. Extension Program - Farmer Training Programs 28 IPEU 2-1. Induction Farmer Training unit 28 28 13 104 IPEU 104 2-2. Induction Farmer Guidance unit 8 13 2-3. Farmer Training unit 30 30 30 30 30 120 IPEU 2-4. Workshop/Mass Guidance unit 5 2 10 5 5 30 IPEU 1 2-5. Seed Campaign 10 30 30 0 60 IPEU unit 3 3 0 2-6. Rat/Wild Pig Control Campaign unit 10 0 0 13 13 13 52 IPEU 2-7. Study Tour unit 13 13 I-3. Seed Production Programs 3-1. Paddy Seed Production Program 10 70 70 280 IPEU ha 10 70 10 70 10 40 3-2. OFC Seed Production Program ha 0 Agricultural Support Programs Total 269 897 788 858 758 0 3,570 0 I-4. Agricultural Credit Programs 4-1. Cultivation Loans (Paddy) ha (50)(750)(75) (1,125) (75) (1, 125)(75) (1,125) (275) (4,125) PMU (15)(300) (750) PMU ha (15)(10)(150)(20)(300)(20)(50) 4-2. Cultivation Loans (OFC & vegetables) Credit Program Sub-total ha (50)(750) (85) (1,275) (95) (1, 425)(95) (1,425) (325) (4,875) 500 2,500 5,000 PMU 4-3. Medium Term Credit Program unit 5 2,500 5 10 Agricultural Credit Program Total 0 0 750 3,775 3,925 1,425 0 9.875 0 **Total Program Costs by Scheme** 0 269 1,647 4,563 4,783 2,183 0 13,445 II. Strengthening of Farmers & FOs Support Institution/Facilitates II-1. Establishment of Farmers/FOs Support Facilities 8 10,560 10,560 DAS, Anuradhapura 1-1. Establishment of "Farmer Center" 1,320 unit

Table H 3.7 Overall Work Programs by Scheme - 2/28

Scheme: Tissawewa, Anuradhapura 365 ha Unit: Rs.000 Years after Commencement of Project Implementation 2nd 6th 7th Unit Cost 3rd 4th 5th Total 1st Implementation Q'ty Amount Q'ty Amount Q'ty Amount Q'ty Amount Q'ty Amount Unit (Rs. 000) Q'ty Amount Q'ty Amount O'ty Amount Agency Sector/Sub-sector/Programs Awareness Program Implementation Schedule of Irrigation Works I. Agricultural Support Programs I-1. Extension Program - Field Programs 30 1-1. Adaptive Trials, Paddy unit 0 30 0 1-2. Adaptive Trials, OFC & Vegetables unit 16 96 IPEU 1-3. Demonstration Plots, Paddy unit 48 48 3 1-4. Demonstration Plots, OFC & Vegetables unit 10 40 4 40 40 12 120 IPEU 1 Δ 1-5. Cropping Pattern Demonstration unit 64 0 130 1-6. Demonstration Block, Paddy unit 0 40 80 200 IPEU 1-7. Demonstration Farm, Paddy unit 2 80 40 1-8. Demonstration Farm, OFC unit 30 0 1-9. Paddy Productivity Increase Program unit 20 20 20 20 60 IPEU 100 100 100 100 300 IPEU 1-10 IPM, Paddy unit 1 1-11 IPM, OFC unit 100 0 I-2. Extension Program - Farmer Training Programs 28 IPEU 2-1. Induction Farmer Training unit 28 28 24 IPEU 24 2-2. Induction Farmer Guidance unit 8 90 IPEU 2-3. Farmer Training unit 30 30 30 30 1 20 IPEU 2-4. Workshop/Mass Guidance unit 5 5 5 1 2-5. Seed Campaign 10 2 20 20 IPEU 2-6. Rat/Wild Pig Control Campaign unit 10 0 0 13 13 39 IPEU 2-7. Study Tour unit 13 13 I-3. Seed Production Programs 70 IPEU 3-1. Paddy Seed Production Program 35 ha 35 10 3-2. OFC Seed Production Program ha 0 Agricultural Support Programs Total 57 356 371 283 0 0 1,067 0 I-4. Agricultural Credit Programs 4-1. Cultivation Loans (Paddy) ha (15) (25)(375) (25) (375) (25) (375) (75) (1,125) PMU (150) PMU 4-2. Cultivation Loans (OFC & vegetables) ha (15)(5) (75) (5) (75) (10)Credit Program Sub-total ha (25)(375) (30)(450) (30) (450)(85) (1, 275)500 2,000 2,000 PMU 4-3. Medium Term Credit Program unit Δ Agricultural Credit Program Total 0 0 375 450 2.450 0 0 3.275 0 **Total Program Costs by Scheme** 0 57 731 821 2,733 0 0 4,342 II. Strengthening of Farmers & FOs Support Institution/Facilitates II-1. Establishment of Farmers/FOs Support Facilities 3,960 DAS, Anuradhapura 1-1. Establishment of "Farmer Center" 1,320 3,960 unit 3

Table H 3.7 Overall Work Programs by Scheme - 3/28

Table H 3.7 Overall Work Programs by Scheme - 4/28

Versa after Commencement of Project Implementation Versa after Commencement of Project Implementation Sector Sub-sector Program Versa after Commencement of Project Implementation Versa after Commencement of Project Implementation Aurencess Frogram Versa after Commencement of Project Implementation OPEN IMPLEMENT OF INFORMATION OF INFORMA	Scheme: Rajangana, Anuradhapura 5,668 ha																		Unit: Rs.000						
Sector Sub-sector Programs Unit (Rs. 000) Qty Amount							Years aft	er Comme	encemen	t of Proje	ct Imple	mentatior	1												
Awareness Program Include of Drigation Works Implementation Schedule of Irrigation Works I. Agricultural Support Programs I-1. Adaptive Trials, Paddy unit 30 0			Unit Cost	1st	2	nd	3	rd	4	th	5	5th	61	th	7	th	Tot	al	Implementation						
Inglementation Schedule of Irrigation Works Image: Constraint of Schedule of Irrigation Works Image: Constraint of Schedule of Irrigation Works 1. Agricultural Support Programs Image: Constraint of Schedule of Irrigation Works Image: Constraint of Schedule of Irrigation Works Image: Constraint of Schedule of Irrigation Works 1.1. Adaptive Trials, Paddy Imit 30 4 120 0 0 0 0 12 360 IPEU 1.2. Adaptive Trials, OPC & Vegetables Imit 16 5 80 10 0 0 0 0 0 20 320 IPEU 1.3. Demonstration Plots, OPC & Vegetables Imit 16 12 120 24 240 12 120 12 120 12 120 26 3 192 3 192 12 768 IPEU 1-5. Cropping Pattern Demonstration Block, Paddy Imit 130 2 260 4 520 4 520 22 2,860 IPEU 1-6. Demonstration Farm, Paddy Imit 130 2 260	Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Agency						
I. Agricultural Support Programs I.I. Adapive Trials, Addy unit 30 4 120 0 0 8 240 [PEU 11. Adaptive Trials, Aday unit 30 4 120 0	1	Awarene	ss Program																						
I-1. Extension Programs - Field Programs 1-1. Adaptive Trials, Paddy unit 30 4 120 0 <th <="" colspan="6" td=""><td>Implementation Schedule</td><td>of Irriga</td><td>tion Works</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>Implementation Schedule</td> <td>of Irriga</td> <td>tion Works</td> <td></td>						Implementation Schedule	of Irriga	tion Works																
1-1. Adaptive Trials, Paddy unit 30 4 120 4 120 0 0 0 0 8 240 [PEU 1-2. Adaptive Trials, OFC & Vegetables unit 30 4 120 4 120 0 0 0 0 12 360 [PEU 1-3. Demonstration Plots, Paddy unit 16 5 80 10 160 5 80 0	· · ·																								
1-2. Adaptive Trials, OFC & Vegetables unit 30 4 120 4 120 4 120 0 0 0 12 360 IPEU 1-3. Demonstration Plots, Paddy unit 16 5 80 10 160 5 80 0 0 0 0 20 320 IPEU 1-4. Demonstration Plots, Paddy unit 10 12 120 24 240 24 240 12 120 12 120 96 960 IPEU 1-5. Cropping Pattern Demonstration unit 164 3 192 3 192 3 192 12 768 IPEU 1-6. Demonstration Farm, Paddy unit 130 2 260 4 520 4 520 4 520 22 2,860 IPEU 1-8. Paddy Productivity Increase Program unit 20 10 200 10 200 10 200 10 200 50 1,000 IPEU 11 100 20 200 2 2	I-1. Extension Program - Field Programs																								
1-3. Demonstration Plots, Paddy unit 16 5 80 10 160 5 80 0 0 0 20 320 IPEU 1-4. Demonstration Plots, OFC & Vegetables unit 10 12 120 24 240 24 240 12 120 12 120 96 960 IPEU 1-5. Cropping Pattern Demonstration unit 64 3 192 3 192 3 192 3 192 2 2.860 IPEU 1-6. Demonstration Barm, Paddy unit 130 2 2.600 4 520 4 520 4 520 4 520 12 7.68 IPEU 1-7. Demonstration Farm, Paddy unit 30 2 2.60 2 60 4 120 2 60 2 2.60 12 3.60 IPEU 1.9 1.9 1.0 10 2.00 10 2.00 10 2.0 10 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0	1-1. Adaptive Trials, Paddy	unit			4		4			Ū		v		0		0	~								
1-4. Demonstration Plots, OFC & Vegetables unit 10 12 120 24 240 12 120	1-2. Adaptive Trials, OFC & Vegetables	unit					4		4			-		0		0									
1-5. Cropping Pattern Demonstration unit 64 Image: Constraint of the state of the sta		unit			-				-			-		U		0									
1-6. Demonstration Block, Paddy unit 130 2 260 4 520 4 520 4 520 22 2,860 IPEU 1-7. Demonstration Farm, Paddy unit 40 2 260 4 520 4 520 4 520 4 520 4 520 2 2,860 IPEU 1-8. Demonstration Farm, OFC unit 30 2 2 60 2 60 4 120 2 60 12 360 IPEU 1-9. Paddy Productivity Increase Program unit 20 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 10 200 12 2,400 IPEU 11 11 100 2 200 2 200 7 700	1-4. Demonstration Plots, OFC & Vegetables	unit	10		12	120	24	240	24	-	12	120	12	120	12	-			-						
1-7. Demonstration Farm, Paddy unit 40 Image: Constraint of the stress of the st	1-5. Cropping Pattern Demonstration	unit	64						3	192	3	192	3	192	3	192		768	IPEU						
1-8. Demonstration Farm, OFC unit 30 1 2 60 2 60 4 120 2 60 2 60 12 360 IPEU 1-9. Paddy Productivity Increase Program unit 20 10 200 10 200 10 200 10 200 10 200 50 1,000 IPEU 1-10 IPM, Paddy unit 100 4 400 6 600 6 600 4 400 24 2,400 IPEU 1-11 IPM, OFC unit 100 1 100 2 200 2 200 2 200 7 700 IPEU I-11 IPM, OFC 1-2. Extension Program - Farmer Training Programs 2-1. Induction Farmer Guidance unit 28 6 168 1 1 100 2 200 2 200 2 200 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 100 1 </td <td>1-6. Demonstration Block, Paddy</td> <td>unit</td> <td>130</td> <td></td> <td>2</td> <td>260</td> <td>4</td> <td>520</td> <td>4</td> <td>520</td> <td>4</td> <td>520</td> <td>4</td> <td>520</td> <td>4</td> <td>520</td> <td>22</td> <td>2,860</td> <td>IPEU</td>	1-6. Demonstration Block, Paddy	unit	130		2	260	4	520	4	520	4	520	4	520	4	520	22	2,860	IPEU						
1-9. Paddy Productivity Increase Program unit 20 10 200 10 21 21 21 21 21 21 21 21 21 21	1-7. Demonstration Farm, Paddy	unit	40														0	0							
1-10 IPM, Paddy unit 100 4 400 6 600 6 600 4 400 2 2,400 IPEU 1-11 IPM, OFC unit 100 1 100 2 200 2 200 2 200 7 700 IPEU 1-2. Extension Program - Farmer Training unit 28 6 168 1 100 2 200 2 200 2 200 7 700 IPEU 2-1. Induction Farmer Training unit 28 6 168 1 100 2 200 2 200 2 200 7 700 IPEU 2-2. Induction Farmer Guidance unit 8 45 360 1 100 4 400 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 6 180 15 3 15	1-8. Demonstration Farm, OFC	unit	30				2	60	2	60	4	120	2	60	2	60	12	360	IPEU						
1-11 IPM, OFC unit 100 100 100 200 200 200 200 7 700 IPEU 1-2. Extension Program - Farmer Training unit 28 6 168 0 0 6 168 IPEU 2-1. Induction Farmer Training unit 28 6 168 0 0 6 168 IPEU 2-2. Induction Farmer Guidance unit 8 445 360 0 0 445 360 IPEU 2-3. Farmer Training unit 30 6 180 6 153 153 153 153	1-9. Paddy Productivity Increase Program	unit	20				10	200	10	200	10	200	10	200	10	200	50	1,000	IPEU						
I-2. Extension Program - Farmer Training Programs 2-1. Induction Farmer Training unit 28 6 168 0 0 6 168 IPEU 2-2. Induction Farmer Guidance unit 8 45 360 0 0 45 360 IPEU 2-3. Farmer Training unit 30 6 6 180 10 1 10	1-10 IPM, Paddy	unit	100				4	400	6	600	6	600	4	400	4	400	24	2,400	IPEU						
2-1. Induction Farmer Training unit 28 6 168 6 168 IPEU 2-2. Induction Farmer Guidance unit 8 45 360 45 360 IPEU 2-3. Farmer Training unit 30 6 180 6 10 10 10 <td< td=""><td>1-11 IPM, OFC</td><td>unit</td><td>100</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>100</td><td>2</td><td>200</td><td>2</td><td>200</td><td>2</td><td>200</td><td>7</td><td>700</td><td>IPEU</td></td<>	1-11 IPM, OFC	unit	100						1	100	2	200	2	200	2	200	7	700	IPEU						
2-2. Induction Farmer Guidance unit 8 45 360 Image: Constraint of the state of th	I-2. Extension Program - Farmer Training Program	ms																							
2-3. Farmer Training unit 30 6 6 180 6 180 6 180 6 180 30 900 IPEU 2-4. Workshop/Mass Guidance unit 5 6 30 12 60 6 30 3 15 3 15 33 165 IPEU 2-5. Seed Campaign 10 3 30 6 60 6 60 0 0 21 210 IPEU 2-6. Rat/Wild Pig Control Campaign unit 10 3 39 3<	2-1. Induction Farmer Training	unit	28		6	168											6	168	IPEU						
2-4. Workshop/Mass Guidance unit 5 6 30 12 60 6 30 3 15 3 15 33 165 IPEU 2-5. Seed Campaign 10 3 30 6 60 6 60 0 0 0 21 210 IPEU 2-6. Rat/Wild Pig Control Campaign unit 10 0<	2-2. Induction Farmer Guidance	unit	8		45	360											45	360	IPEU						
2-5. Seed Campaign 10 3 30 6 60 6 60 0 0 21 210 IPEU 2-6. Rat/Wild Pig Control Campaign unit 10 0 0 0 0 0 0 0 2-7. Study Tour unit 13 0 3 39 3 39 3 39 3 39 3 39 15 195 IPEU I-3. Seed Production Programs	2-3. Farmer Training	unit	30				6	180	6	180	6	180	6	180	6	180	30	900	IPEU						
2-6. Rat/Wild Pig Control Campaign unit 10 Image: Control Campaign 0 0 0 2-7. Study Tour unit 13 3 39 3 39 3 39 3 39 3 39 3 39 15 195 IPEU I-3. Seed Production Programs	2-4. Workshop/Mass Guidance	unit	5		6	30	12	60	6	30	3	15	3	15	3	15	33	165	IPEU						
2-7. Study Tour unit 13 3 39 3 39 3 39 3 39 15 195 IPEU I-3. Seed Production Programs	2-5. Seed Campaign		10		3	30	6	60	6	60	6	60		0		0	21	210	IPEU						
I-3. Seed Production Programs	2-6. Rat/Wild Pig Control Campaign	unit	10														0	0							
	2-7. Study Tour	unit	13				3	39	3	39	3	39	3	39	3	39	15	195	IPEU						
3-1. Paddy Seed Production Program ha 7 40 280 60 420 40 280 140 980 IPEU	I-3. Seed Production Programs																								
	3-1. Paddy Seed Production Program	ha	7				40	280	60	420	40	280					140	980	IPEU						
3-2. OFC Seed Production Program ha 7 20 140 20 140 20 140 40 280 IPEU	3-2. OFC Seed Production Program	ha	7						20	140	20	140					40	280	IPEU						
Agricultural Support Programs Total 0 1,288 2,439 2,981 2,666 1,926 1,926 13,226	Agricultural Support Programs Total			(1,288		2,439		2,981		2,666		1,926		1,926		13,226							
I-4. Agricultural Credit Programs	I-4. Agricultural Credit Programs																								
4-1. Cultivation Loans (Paddy) ha (15) (250 (3,750) (250 (3,750) (250) (3,750) (250) (3,750) (250) (3,750) (250) (3,750) (1,250) (1,250) (18,750) PMU	4-1. Cultivation Loans (Paddy)	ha	(15)				(250)	(3,750)	(250)	(3,750)	(250)	(3,750)	(250)	(3,750)	(250)	(3,750)	(1,250)	(18,750)	PMU						
4-2. Cultivation Loans (OFC & vegetables) ha (15) (50) (750) (80) (1,200) (100) (1,500) (100) (1,500) (330) (4,950) PMU	4-2. Cultivation Loans (OFC & vegetables)	ha	(15)						(50)	(750)	(80)	(1,200)	(100)	(1,500)	(100)	(1,500)	(330)	(4,950)	PMU						
Credit Program Sub-total ha (250) (3,750) (300) (4,500) (330) (5,250) (350) (5,250) (1,580) (23,700)	Credit Program Sub-total	ha					(250)	(3,750)	(300)	(4,500)	(330)	(4,950)	(350)	(5,250)	(350)	(5,250)	(1,580)	(23,700)							
4-3. Medium Term Credit Program unit 500 10 5,000 20 10,000 20 10,000 20 10,000 50 25,000 PMU	4-3. Medium Term Credit Program	unit	500				10	5,000	20	10,000	20	10,000					50	25,000	PMU						
Agricultural Credit Program Total 0 0 8,750 14,500 5,250 5,250 0 48,700	Agricultural Credit Program Total			(0		8,750		14,500		14,950		5,250		5,250	0	48,700							
Total Program Costs by Scheme 0 1,288 11,189 17,481 17,616 7,176 61,926	Total Program Costs by Scheme			(1,288		11,189		17,481		17,616		7,176		7,176		61,926							
II. Strengthening of Farmers & FOs Support Institution/Facilitates	II. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates																						
II-1. Establishment of Farmers/FOs Support Facilities	II-1. Establishment of Farmers/FOs Support Facil	ities																							
1-1. Establishment of "Farmer Center" unit 1,320 14 18,480 14 18,480 14 18,480 4 12 55,440 DAS, Anuradhapura	1-1. Establishment of "Farmer Center"	unit	1,320				14	18,480	14	18,480	14	18,480					42	55,440	DAS, Anuradhapura						

	1		L					encemen	t of Proje	ct Implemen	ntation						4
		Unit Cost	1st	2	nd	3	rd	4	th	5th		6th		7th	Т	otal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Am	nount	Q'ty Amo	int Q'	ty Amount	Q'ty	Amount	Agency
1	Awarene	ss Program		_													
Implementation Schedule	of Irriga	tion Works		_													
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs									-								
1-1. Adaptive Trials, Paddy	unit	30													0	()
1-2. Adaptive Trials, OFC & Vegetables	unit	30													0	()
1-3. Demonstration Plots, Paddy	unit	16		3	48	3	48		0						6		5 IPEU
1-4. Demonstration Plots, OFC & Vegetables	unit	10		2	20	5	50	5	50						12	120) IPEU
1-5. Cropping Pattern Demonstration	unit	64													0	()
1-6. Demonstration Block, Paddy	unit	130													0	()
1-7. Demonstration Farm, Paddy	unit	40		1	40	2	80	1	40						4	160) IPEU
1-8. Demonstration Farm, OFC	unit	30													0	()
1-9. Paddy Productivity Increase Program	unit	20				1	20	1	20						2	40) IPEU
1-10 IPM, Paddy	unit	100				1	100								1	100) IPEU
1-11 IPM, OFC	unit	100													0	()
I-2. Extension Program - Farmer Training Program	ms																
2-1. Induction Farmer Training	unit	28		1	28										1	28	B IPEU
2-2. Induction Farmer Guidance	unit	8		2	16										2	16	5 IPEU
2-3. Farmer Training	unit	30)			1	30	1	30						2	60) IPEU
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5						4	20) IPEU
2-5. Seed Campaign		10)			1	10								1	10) IPEU
2-6. Rat/Wild Pig Control Campaign	unit	10													0	()
2-7. Study Tour	unit	13				1	13								1	13	B IPEU
I-3. Seed Production Programs										· · · · ·							•
3-1. Paddy Seed Production Program	ha	7						5	35						5	35	5 IPEU
3-2. OFC Seed Production Program	ha	7	,												0	()
6																	
Agricultural Support Programs Total			0		157		361		180		0		0	0		698	3
			• •														
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)	(25)	(375)						(50)	(750) PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)				(10)	(150)	(10)	(150)						(20)) PMU
Credit Program Sub-total	ha	, í				(35)	(525)	(35)	(525)						(70)	(1,050)
4-3. Medium Term Credit Program	unit	500				2	1,000								2	1,000) PMU
Agricultural Credit Program Total			0		0		1,525		525		0		0	0	0	2.050)
0	L		· · · · · · · ·				,				-		-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•
Total Program Costs by Scheme			0		157		1,886		705		0		0	0)	2,748	3
- •		-		• •		·I				· · ·					•	<u> </u>	3
II. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facil																	
1-1. Establishment of "Farmer Center"	unit	1,320				1	1,320								1	1,320) DAS, Anuradhapura
	<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					/- ···		(· · · · ·				1		, ,>=,	,

Table H 3.7 Overall Work Programs by Scheme - 5/28

						Years af	ter Comme	encement	of Proje	ct Implemen	ntation						_
		Unit Cost	1st	2	2nd	3	Brd	4tł	1	5th		6th		7th	,	Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty A	Amount	Q'ty An	nount	Q'ty Amou	nt Q'ty	Amount	Q'ty	Amount	Agency
A	Awarene	ss Program	_														
Implementation Schedule	of Irriga	tion Works		-													
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs						-							-		-		
1-1. Adaptive Trials, Paddy	unit	30														0	0
1-2. Adaptive Trials, OFC & Vegetables	unit	30														0	0
1-3. Demonstration Plots, Paddy	unit	16				1	16									1 1	6 PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				2	20									2 2	0 PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64														0	0
1-6. Demonstration Block, Paddy	unit	130														0	0
1-7. Demonstration Farm, Paddy	unit	40		1	40	1	40									2 8	0 PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30														0	0
1-9. Paddy Productivity Increase Program	unit	20														0	0
1-10 IPM, Paddy	unit	100														0	0
1-11 IPM, OFC	unit	100														0	0
I-2. Extension Program - Farmer Training Program	ms																-
2-1. Induction Farmer Training	unit	28		1	28											1 2	8 PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		1	8											1	8 PDOA, NCP
2-3. Farmer Training	unit	30														0	0
2-4. Workshop/Mass Guidance	unit	5														0	0
2-5. Seed Campaign		10														0	0
2-6. Rat/Wild Pig Control Campaign	unit	10				1	10									1 1	0 PDOA, NCP
2-7. Study Tour	unit	13														0	0
I-3. Seed Production Programs																	
3-1. Paddy Seed Production Program	ha	7														0	0
3-2. OFC Seed Production Program	ha	7														0	0
· · · · ·	· · · · ·	•				·										1	•
Agricultural Support Programs Total			(76		86		0		0		0	0		16	2
	h			•													
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	15														0	0
4-2. Cultivation Loans (OFC & vegetables)	ha	15														0	0
Credit Program Sub-total																0	0
4-3. Medium Term Credit Program	unit	500														0	0
Agricultural Credit Program Total			()	0		0		0		0		0	0		0	0
	L	I		1	. 0			I	5	· · · · ·	v.	1	-			-1	-
Total Program Costs by Scheme			(76		86		0		0		0	0		16	2
	L		<u> </u>	1		ı <u> </u>					-	<u> </u>	1				≝
I. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili																	
1-1. Establishment of "Farmer Center"	unit	1,320				1	1,320									1 1.32	0 DAS, Anuradhapura
	ann	1,520	I I		I	1	1,520					1			l	- 1,52	,,

Table H 3.7 Overall Work Programs by Scheme - 6/28

						Years aft	er Comm	encemen	t of Proje	ct Implement	ation						1
		Unit Cost	1st	2	2nd	3	rd	4	th	5th		6th	7th		Т	otal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amo	ount Q't	y Amount	Q'ty A	mount	Q'ty	Amount	Agency
A	Awarene	ss Program															
Implementation Schedule	of Irriga	tion Works		-													
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs																	
1-1. Adaptive Trials, Paddy	unit	30													0	0)
1-2. Adaptive Trials, OFC & Vegetables	unit	30													0	0)
1-3. Demonstration Plots, Paddy	unit	16		2	32	2	32								4	64	PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				1	10	1	10						2	20	PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64													0	0)
1-6. Demonstration Block, Paddy	unit	130													0	0)
1-7. Demonstration Farm, Paddy	unit	40				1	40	1	40						2	80	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30													0	0)
1-9. Paddy Productivity Increase Program	unit	20						1	20						1	20	PDOA, NCP
1-10 IPM, Paddy	unit	100				1	100								1	100	PDOA, NCP
1-11 IPM, OFC	unit	100													0	0)
I-2. Extension Program - Farmer Training Program	ns																
2-1. Induction Farmer Training	unit	28		1	28										1	28	PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		2	16										2	16	PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30						2	60	PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5		1	5			1	5						2	10	PDOA, NCP
2-5. Seed Campaign		10				1	10								1	10	PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10				1	10								1	10	PDOA, NCP
2-7. Study Tour	unit	13				1	13								1	13	PDOA, NCP
I-3. Seed Production Programs																	
3-1. Paddy Seed Production Program	ha	7													0	0)
3-2. OFC Seed Production Program	ha	7													0	0)
-																	
Agricultural Support Programs Total			(81		245		105		0	0		0		431	
																•	
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)						(25)	(375)						(25)	(375)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)													(0)	(0)	PMU
Credit Program Sub-total	ha							(25)	(375)						(25)	(375))
4-3. Medium Term Credit Program	unit	500				1	500								1	500	PMU
Agricultural Credit Program Total			(0		500		375		0	0		0	0	875	5
6 6			•														•
Total Program Costs by Scheme			()	81		745		480		0	0		0		1,306	j.
		•	•	•	•	I				· · · ·							
Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili																	
1-1. Establishment of "Farmer Center"	unit	1,320				1	1,320								1	1,320	DAS, Anuradhapura
	L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					,			· · · · ·						,	, ., ., ., ., ., ., ., ., ., ., ., .,

Table H 3.7 Overall Work Programs by Scheme - 7/28

Scheme: Periyakulama, Anuradhapura 91 ha																	Unit: Rs.00
						Years aft	er Comm	enceme	nt of Proje	ct Imple	ementation	l					
		Unit Cost	1st		2nd	3	rd	4	4th	:	5th	6th	7th		Tot	al	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amoun	t Q't	y Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amount	Q'ty Am	nount	Q'ty	Amount	Agency
A	Awarene	ss Program		_													
Implementation Schedule	of Irriga	tion Works															
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs											-						
1-1. Adaptive Trials, Paddy	unit	30			1 30	1	30								2	60	PDOA, NCP
1-2. Adaptive Trials, OFC & Vegetables	unit	30													0	0	
1-3. Demonstration Plots, Paddy	unit	16			2 32	2	32		0						4	64	PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				2	20	1	10						3	30	PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64						1	64						1	64	PDOA, NCP
1-6. Demonstration Block, Paddy	unit	130													0	0	
1-7. Demonstration Farm, Paddy	unit	40				1	40								1	40	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30													0	0	
1-9. Paddy Productivity Increase Program	unit	20				1	20								1		PDOA, NCP
1-10 IPM, Paddy	unit	100				1	100								1	100	PDOA, NCP
1-11 IPM, OFC	unit	100													0	0	
I-2. Extension Program - Farmer Training Program	ms											-					
2-1. Induction Farmer Training	unit	28			1 28										1	28	PDOA, NCP
2-2. Induction Farmer Guidance	unit	8			1 8										1	8	PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30						2	60	PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5			1 5	1	5	1	5						3	15	PDOA, NCP
2-5. Seed Campaign		10				1	10								1	10	PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10													0	0	
2-7. Study Tour	unit	13				1	13								1	13	PDOA, NCP
I-3. Seed Production Programs																	
3-1. Paddy Seed Production Program	ha	7													0	0	
3-2. OFC Seed Production Program	ha	7													0	0	
Ŭ			• •		•		•		•				· · · ·		•		
Agricultural Support Programs Total				0	103		300		109		0	0		0		512	
			•														
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)								(25)	(375)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)				(5)	(75)	(5)	(75)						(10)	(150)	PMU
Credit Program Sub-total	ha					(30)	(450)	(5)	(75)						(35)	(525)	
4-3. Medium Term Credit Program	unit	500				1	500								1	500	PMU
Agricultural Credit Program Total				0	0		950		75		0	0		0	0	1,025	
		-							-			•					
Total Program Costs by Scheme				0	103		1,250		184		0	0		0		1,537	
		•	•	-	•				•	-		•					
II. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili																	
1-1. Establishment of "Farmer Center"	unit	1,320				0	0								0	0	DAS, Anuradhapura
		,					÷			í					4		,

Table H 3.7 Overall Work Programs by Scheme - 8/28

	1					Years aft	er Comm	encemer	nt of Proje	ct Impleme	entation	1						
		Unit Cost	1st		2nd	3	rd	2	łth	5th	L	6tł	1	7tl	h	То	otal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amou	nt Q't	y Amoun	t Q'ty	Amount	Q'ty	Amount	Q'ty A	mount	Q'ty A	Amount	Q'ty A	Amount	Q'ty	Amount	Agency
	Awarene	ss Program		-														
Implementation Schedule	of Irriga	tion Works		-														
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30														0	C)
1-2. Adaptive Trials, OFC & Vegetables	unit	30														0	C)
1-3. Demonstration Plots, Paddy	unit	16			2 32	2 2	32									4	64	PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10			1 10) 3	30	2	20							6	60	PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64														0	C)
1-6. Demonstration Block, Paddy	unit	130														0	C)
1-7. Demonstration Farm, Paddy	unit	40				2	80	2	80							4	160	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30														0	C)
1-9. Paddy Productivity Increase Program	unit	20				1	20	1	20							2	40	PDOA, NCP
1-10 IPM, Paddy	unit	100				1	100									1	100	PDOA, NCP
1-11 IPM, OFC	unit	100														0	C)
I-2. Extension Program - Farmer Training Progra	ms																	•
2-1. Induction Farmer Training	unit	28			1 28	3										1	28	PDOA, NCP
2-2. Induction Farmer Guidance	unit	8			1	3										1	8	PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30							2	60	PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5			1 :	5 1	5	1	5							3	15	5 PDOA, NCP
2-5. Seed Campaign		10				1	10									1	10	PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10			1 10)										1	10	PDOA, NCP
2-7. Study Tour	unit	13			() 1	13									1	13	PDOA, NCP
I-3. Seed Production Programs																		
3-1. Paddy Seed Production Program	ha	7				5	35		0							5	35	5 PDOA, NCP
3-2. OFC Seed Production Program	ha	7														0	C)
_																		
Agricultural Support Programs Total				0	93	3	355		155		0		0		0		603	3
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)	(25)	(375)							(50)	(750)) PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)				(5)	(75)	(5)	(75)							(10)	(150)) PMU
Credit Program Sub-total	ha					(30)	(450)	(30)	(450)							(60)	(900))
4-3. Medium Term Credit Program	unit	500				2	1,000									2	1,000) PMU
Agricultural Credit Program Total				0	()	1,450		450		0		0		0	0	1,900)
Total Program Costs by Scheme				0	93	3	1,805		605		0		0		0		2,503	3
II. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facil	ities																	
1-1. Establishment of "Farmer Center"	unit	1,320				1	1,320									1	1 320	DAS, Anuradhapura

Table H 3.7 Overall Work Programs by Scheme - 9/28

Scheme: Maha Bulankulama, Anuradhapura 90 l	ha																Unit: Rs.000
						Years af	ter Comme	encemer	nt of Proje	ct Implem	entation	1					
		Unit Cost	1st		2nd	-	rd		4th	5th		6	th	7t	th	Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty A	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amour	t Agency
A	warene	ss Program		_													
Implementation Schedule	of Irriga	tion Works															
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs																	
1-1. Adaptive Trials, Paddy	unit	30														0	0
1-2. Adaptive Trials, OFC & Vegetables	unit	30														0	0
1-3. Demonstration Plots, Paddy	unit	16		1	16	2	32									3 4	48 PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				2	20	2	20							4 4	40 PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64														0	0
1-6. Demonstration Block, Paddy	unit	130														0	0
1-7. Demonstration Farm, Paddy	unit	40				1	40									1 4	40 PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30														0	0
1-9. Paddy Productivity Increase Program	unit	20				1	20									1 2	20 PDOA, NCP
1-10 IPM, Paddy	unit	100				1	100									1 10	00 PDOA, NCP
1-11 IPM, OFC	unit	100														0	0
I-2. Extension Program - Farmer Training Program	ns																
2-1. Induction Farmer Training	unit	28		1	28											1 2	28 PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		1	8											1	8 PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30							2 0	50 PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5		1	5			1	5							2	10 PDOA, NCP
2-5. Seed Campaign		10				1	10									1	10 PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10														0	0
2-7. Study Tour	unit	13				1	13									1	13 PDOA, NCP
I-3. Seed Production Programs																	
3-1. Paddy Seed Production Program	ha	7														0	0
3-2. OFC Seed Production Program	ha	7														0	0
Agricultural Support Programs Total			0		57		265		55		0		0		0	31	17
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)										5) PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)						(5)	(75)							(5) (7	5) PMU
Credit Program Sub-total	ha					(25)	(375)	(5)	(75)							(30) (45	7
4-3. Medium Term Credit Program	unit	500				1	500									1 50	00 PMU
Agricultural Credit Program Total			0		0		875		75		0		0		0	0 95	50
		1							r.								_
Total Program Costs by Scheme			0		57		1,140		130		0		0		0	1,32	27
II. Strengthening of Farmers & FOs Support Institut		ilitates															
II-1. Establishment of Farmers/FOs Support Facili	1	1		-	1	-			T								
1-1. Establishment of "Farmer Center"	unit	1,320				1	1,320									1 1,32	20 DAS, Anuradhapura

Table H 3.7 Overall Work Programs by Scheme - 10/28

					Years af	ter Comm	encemen	t of Proje	ct Implementatio	n						
		Unit Cost	1st	2nd	-	3rd	4	th	5th	6th		7th		Tota	al	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty Amoun	t Q'ty	Amount	Q'ty	Amount	Q'ty Amoun	t Q'ty An	nount	Q'ty Aı	mount	Q'ty	Amount	Agency
A	Awarene	ss Program														
Implementation Schedule	of Irriga	tion Works														
I. Agricultural Support Programs																
I-1. Extension Program - Field Programs					-											
1-1. Adaptive Trials, Paddy	unit	30			1	30	1	30						2	60	PDOA, NCP
1-2. Adaptive Trials, OFC & Vegetables	unit	30												0	0	
1-3. Demonstration Plots, Paddy	unit	16			4	64	4	64						8	128	PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10			2	20	4	40						6	60	PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64												0	0	
1-6. Demonstration Block, Paddy	unit	130												0	0	
1-7. Demonstration Farm, Paddy	unit	40			4	160	4	160						8	320	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30												0	0	
1-9. Paddy Productivity Increase Program	unit	20			1	20	1	20						2	40	PDOA, NCP
1-10 IPM, Paddy	unit	100			2	200	2	200						4	400	PDOA, NCP
1-11 IPM, OFC	unit	100												0	0	
I-2. Extension Program - Farmer Training Program	ns															
2-1. Induction Farmer Training	unit	28		1 2	8									1	28	PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		3 2	4									3	24	PDOA, NCP
2-3. Farmer Training	unit	30			1	30	1	30						2	60	PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5		1	5 2	10								3	15	PDOA, NCP
2-5. Seed Campaign		10			2	20								2	20	PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10												0	0	
2-7. Study Tour	unit	13			1	13								1	13	PDOA, NCP
I-3. Seed Production Programs																
3-1. Paddy Seed Production Program	ha	7			5	35	5	35						10	70	PDOA, NCP
3-2. OFC Seed Production Program	ha	7												0	0	
Ũ			1 1	· · · · ·												
Agricultural Support Programs Total			0	5	7	602		579	()	0		0		1,238	
					•											
I-4. Agricultural Credit Programs																
4-1. Cultivation Loans (Paddy)	ha	(15)			(25)	(375)	(50)	(750)						(75)	(1,125)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)			(5)	(75)	(5)	(75)						(10)		PMU
Credit Program Sub-total	ha				(30)	(450)	(55)	(825)						(85)	(1,275)	
4-3. Medium Term Credit Program	unit	500			3	1,500		. ,						3	1,500	PMU
Agricultural Credit Program Total			0		0	1.950		825	()	0		0	0	2,775	
0			1	I		1									,	
Total Program Costs by Scheme			0	5	7	2,552		1,404	()	0		0		4,013	
· ·	L							<u> </u>		· · · ·						
. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates														
II-1. Establishment of Farmers/FOs Support Facili																
1-1. Establishment of "Farmer Center"	unit	1,320			7	9,240								7	9,240	DAS, Anuradhapura
		1,020	1 1	I I	· · · ·	,,_10			I	1 1			1		,_ 10	,puiu

Table H 3.7 Overall Work Programs by Scheme - 11/28

Scheme: Cascade II, Anuradhapura 278 ha (8 S	chemes)				V 6					e					Unit: Rs.000
		H S G	1.							ct Implementa		c.1	7.1		70 · 1	
		Unit Cost	1st		2nd		rd		4th	5th		óth	7th	. 01	Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Qty	Amount	Q'ty	Amount	Q'ty Amo	unt Q'ty	Amount	Q'ty Am	ount Q'ty	Amount	Agency
		ss Program		—												-
Implementation Schedule	of Irriga	tion Works														
I. Agricultural Support Programs																
I-1. Extension Program - Field Programs	· · ·	20	1	r –	r – – – – – – – – – – – – – – – – – – –	1	20	1	20			r			2 (1)	DDOL NOD
1-1. Adaptive Trials, Paddy	unit	30				1	30	1	30							PDOA, NCP
1-2. Adaptive Trials, OFC & Vegetables	unit	30									_				0 (
1-3. Demonstration Plots, Paddy	unit	16				4	64	4	64		_					8 PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10													÷ .)
1-5. Cropping Pattern Demonstration	unit	64													0 (
1-6. Demonstration Block, Paddy	unit	130													0 (
1-7. Demonstration Farm, Paddy	unit	40				4	160	4	160						8 320	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30													0 ()
1-9. Paddy Productivity Increase Program	unit	20				2	40	2	40						4 80	PDOA, NCP
1-10 IPM, Paddy	unit	100				2	200	2	200						4 400	PDOA, NCP
1-11 IPM, OFC	unit	100													0 ()
I-2. Extension Program - Farmer Training Program	ns		•													•
2-1. Induction Farmer Training	unit	28		1	28										1 28	8 PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		5	40										5 40	PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30						2 60) PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10								3 15	5 PDOA, NCP
2-5. Seed Campaign		10				2	20									PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10)
2-7. Study Tour	unit	13				1	13								1 13	3 PDOA, NCP
I-3. Seed Production Programs															-	,
3-1. Paddy Seed Production Program	ha	7						5	35						5 35	5 PDOA, NCP
3-2. OFC Seed Production Program	ha	7						5	55							PDOA, NCP
5-2. Of C Seed Houdenon Hogram	IIa	,													0	JI DOA, NCI
Agricultural Support Programs Total					73		567		559		0	0		0	1,199	2
			0				507		007		Ŭ	Ů		0	1,122	
I-4. Agricultural Credit Programs																
4-1. Cultivation Loans (Paddy)	ha	(15)		l –		(50)	(750)	(50)	(750)					(10	0) (1.500) PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)				(50)	(750)	(50)	(750)						0) (0)	
Credit Program Sub-total	ha	(15)				(50)	(750)	(50)	(750)					(10		,
4-3. Medium Term Credit Program	unit	500				(30)	1,500	(30)	(730)					(1(, ,) PMU
c	unn	300	0		0	3			750		0	0		0		
Agricultural Credit Program Total			0		0		2,250		750		0	0		0	0 3,000)
Total Program Costs by Scheme		1	0	1	73		2.817		1.309		0	0		0	4.199	
Total Frogram Costs by Scheme	L	1		1	15		2,017		1,309		U	0	II	U	4,195	·
II Strongthoning of Forman & FOS Summer I with	tion/Fo-	ilitatas														
II. Strengthening of Farmers & FOs Support Institut		mates														
II-1. Establishment of Farmers/FOs Support Facili	-	1,320		1	<u> </u>	~	7,920		<u> </u>		1		1		6 7.000	
1-1. Establishment of "Farmer Center"	unit	1,320		1	1	6	7,920		I						6 7,920	DAS, Anuradhapura

Table H 3.7 Overall Work Programs by Scheme - 12/28

						Years afte	r Comme	encemen	t of Projec	et Implei	mentation	ı						
		Unit Cost	1st	2	nd	3re	d	4	th	5	th	6t	h	1	7th	Tot	tal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty 4	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Agency
A	warene	ss Program		_														
Implementation Schedule	of Irriga	tion Works		-		_												
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30		1	30	1	30									2	60	PDOA, NCP
1-2. Adaptive Trials, OFC & Vegetables	unit	30														0	0	
1-3. Demonstration Plots, Paddy	unit	16		2	32	4	64	4	64							10	160	PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10		2	20	4	40	3	30	3	30					12	120	PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64				1	64	1	64							2	128	PDOA, NCP
1-6. Demonstration Block, Paddy	unit	130														0	0	
1-7. Demonstration Farm, Paddy	unit	40		1	40	3	120	3	120	3	120					10	400	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30														0	0	
1-9. Paddy Productivity Increase Program	unit	20				2	40	2	40							4	80	PDOA, NCP
1-10 IPM, Paddy	unit	100		1	100	1	100	1	100	1	100					4	400	PDOA, NCP
1-11 IPM, OFC	unit	100														0	0	
I-2. Extension Program - Farmer Training Program	ns																	
2-1. Induction Farmer Training	unit	28		1	28											1	28	PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		6	48											6	48	PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30	1	30					3	90	PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5	1	5					5	25	PDOA, NCP
2-5. Seed Campaign		10				2	20	1	10							3	30	PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10														0	0	
2-7. Study Tour	unit	13				1	13			1	13					2	26	PDOA, NCP
I-3. Seed Production Programs																		•
3-1. Paddy Seed Production Program	ha	7				5	35	5	35							10	70	PDOA, NCP
3-2. OFC Seed Production Program	ha	7														0	0	PDOA, NCP
0																		•
Agricultural Support Programs Total			0		303		566		498		298		0		0		1,665	
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)				(50)	(750)	(50)	(750)							(100)	(1,500)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)				(10)	(150)	(10)	(150)	(10)	(150)					(30)	(450)	PMU
Credit Program Sub-total	ha					(60)	(900)	(60)	(900)	(10)	(150)					(130)	(1,950)	
4-3. Medium Term Credit Program	unit	500				4	2,000									4	2,000	PMU
Agricultural Credit Program Total			0		0		2,900		900		150		0		0	0	3,950	
Total Program Costs by Scheme			0		303		3,466		1,398		448		0		0		5,615	
I. Strengthening of Farmers & FOs Support Institut	ion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facili	ties																	
1-1. Establishment of "Farmer Center"	unit	1,320				0	10,560									8		DAS, Anuradhapur

Table H 3.7 Overall Work Programs by Scheme - 13/28

Scheme: Cascade IV, Anuradhapura 350 ha (9 S	chemes	5)																Unit: Rs.000
						Years aft	er Comm	encemer	t of Proje	ct Imple	mentatior	1						
		Unit Cost	1st		2nd	3	rd	4	lth	5	ith	6th		7th	n	Tota	l	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty An	ount	Q'ty A	Amount	Q'ty A	mount	Agency
A	warene	ss Program																
Implementation Schedule	of Irriga	tion Works																
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30		2	60	2	60									4	120	PDOA, NCP
1-2. Adaptive Trials, OFC & Vegetables	unit	30														0	0	
1-3. Demonstration Plots, Paddy	unit	16		2	32	3	48	3	48	3	48					11		PDOA, NCP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				1	10	1	10	1	10					3	30	PDOA, NCP
1-5. Cropping Pattern Demonstration	unit	64														0	0	
1-6. Demonstration Block, Paddy	unit	130														0	0	
1-7. Demonstration Farm, Paddy	unit	40				2	80	2	80	2	80					6	240	PDOA, NCP
1-8. Demonstration Farm, OFC	unit	30														0	0	
1-9. Paddy Productivity Increase Program	unit	20				1	20	1	20	1	20					3	60	PDOA, NCP
1-10 IPM, Paddy	unit	100				2	200	1	100	1	100					4	400	PDOA, NCP
1-11 IPM, OFC	unit	100														0	0	
I-2. Extension Program - Farmer Training Program	ns																	
2-1. Induction Farmer Training	unit	28		1	28											1	28	PDOA, NCP
2-2. Induction Farmer Guidance	unit	8		e	48											6	48	PDOA, NCP
2-3. Farmer Training	unit	30				1	30	1	30	1	30					3	90	PDOA, NCP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5	1	5					5	25	PDOA, NCP
2-5. Seed Campaign		10				2	20	1	10							3	30	PDOA, NCP
2-6. Rat/Wild Pig Control Campaign	unit	10														0	0	
2-7. Study Tour	unit	13				1	13			1	13					2	26	PDOA, NCP
I-3. Seed Production Programs			•															•
3-1. Paddy Seed Production Program	ha	7				5	35									5	35	PDOA, NCP
3-2. OFC Seed Production Program	ha	7														0	0	
_			•															•
Agricultural Support Programs Total			0		173		526		303		306		0		0		1,308	
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)	(25)	(375)	(25)	(375)					(75)	(1,125)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)														(0)	(0)	
Credit Program Sub-total	ha					(25)	(375)	(25)	(375)	(25)	(375)					(75)	(1,125)	
4-3. Medium Term Credit Program	unit	500				3	1,500									3	1,500	PMU
Agricultural Credit Program Total			0		0		1,875		375		375		0		0	0	2,625	
																		_
Total Program Costs by Scheme			0		173		2,401		678		681		0		0		3,933	
II. Strengthening of Farmers & FOs Support Institut	ion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facili	ties																	
1-1. Establishment of "Farmer Center"	unit	1,320				7	9,240									7	9,240	DAS, Anuradhapura

Table H 3.7 Overall Work Programs by Scheme - 14/28

						Years aft	er Comme	encemen	t of Proje	ct Impler	nentatior	1						
		Unit Cost	1st	2	nd	31	rd	4	th	5	th	6t	h	7	7th	1	Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Agency
1	Awarene	ss Program																
Implementation Schedule	of Irriga	tion Works																
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30		2	60	2	60									4	4 120	PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30		3	90	3	90									(5 180	PDOA, NWP
1-3. Demonstration Plots, Paddy	unit	16		4	64	8	128	4	64	4	64					20	320	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10		2	20	4	40	4	40	6	60					16	5 160	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64						1	64	1	64					2	128	PDOA, NWP
1-6. Demonstration Block, Paddy	unit	130				3	390	3	390	3	390					ç	9 1,170	PDOA, NWP
1-7. Demonstration Farm, Paddy	unit	40														() (
1-8. Demonstration Farm, OFC	unit	30								2	60					2	2 60	PDOA, NWP
1-9. Paddy Productivity Increase Program	unit	20				4	80	4	80	4	80					12	2 240	PDOA, NWP
1-10 IPM, Paddy	unit	100				2	200	2	200	2	200					(600	PDOA, NWP
1-11 IPM, OFC	unit	100								1	100					1	100	PDOA, NWP
I-2. Extension Program - Farmer Training Program	ms																	
2-1. Induction Farmer Training	unit	28		1	28											1	1 28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8		9	72											ç	72	PDOA, NWP
2-3. Farmer Training	unit	30				1	30	1	30	1	30						3 90	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5	1	5					4	5 25	PDOA, NWP
2-5. Seed Campaign		10				2	20	2	20							4	4 40	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10														() (
2-7. Study Tour	unit	13						1	13	1	13					2	2 26	PDOA, NWP
I-3. Seed Production Programs																		
3-1. Paddy Seed Production Program	ha	7						10	70	20	140					30	210	PDOA, NWP
3-2. OFC Seed Production Program	ha	7								5	35					4	5 35	PDOA, NWP
Agricultural Support Programs Total			0		339		1,048		976		1,241		0		0		3,604	
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)				(100)	(1,500)	(100)	(1,500)	(100)	(1,500)					(300	(4,500)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)						(10)	(150)	(50)	(750)					(60) (900)	PMU
Credit Program Sub-total	ha					(100)	(1,500)	(110)	(1,650)	(150)	(2,250)					(360	(5,400)	
4-3. Medium Term Credit Program	unit	500						5	2,500	5	2,500					10	5,000	PMU
Agricultural Credit Program Total			0		0		1,500		4,150		4,750		0		0	(10,400)
Total Program Costs by Scheme			0		339		2,548		5,126		5,991		0		0		14,004	
																		_
II. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facil	ities																	
1-1. Establishment of "Farmer Center"	unit	1,320				7	9,240										9,240	DAS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 15/28

						Years afte	er Comm	encemen	t of Proje	ct Implen	nentation	l					
		Unit Cost	1st		2nd	31	d	4	th	5ť	h	6th		7th		Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty A	Amount	Q'ty An	ount	Q'ty Amou	nt Q'ty	Amount	Agency
A	warene	ss Program															
Implementation Schedule	of Irriga	tion Works															
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs															-		
1-1. Adaptive Trials, Paddy	unit	30														0 (
1-2. Adaptive Trials, OFC & Vegetables	unit	30		1	30	1	30									2 60	PDOA, NWP
1-3. Demonstration Plots, Paddy	unit	16		2	2 32	2	32	2	32		0						ó PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				4	40	4	40	4	40				1		PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64						1	64	1	64					2 128	PDOA, NWP
1-6. Demonstration Block, Paddy	unit	130														0 ()
1-7. Demonstration Farm, Paddy	unit	40				2	80	2	80	2	80					6 240	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30														0 ()
1-9. Paddy Productivity Increase Program	unit	20				1	20	1	20	2	40					4 80	PDOA, NWP
1-10 IPM, Paddy	unit	100				1	100	1	100	1	100					3 300	PDOA, NWP
1-11 IPM, OFC	unit	100														0 ()
I-2. Extension Program - Farmer Training Program	ns		•														•
2-1. Induction Farmer Training	unit	28		1	28											1 28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8		3	3 24											3 24	PDOA, NWP
2-3. Farmer Training	unit	30				1	30	1	30	1	30					3 90	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5	1	5					5 25	5 PDOA, NWP
2-5. Seed Campaign		10				2	20									2 20	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10														0 (
2-7. Study Tour	unit	13						1	13	1	13					2 20	6 PDOA, NWP
I-3. Seed Production Programs																	
3-1. Paddy Seed Production Program	ha	7		1				5	35	5	35				1	10 70	PDOA, NWP
3-2. OFC Seed Production Program	ha	7								5	35						PDOA, NWP
			1			1 1									1		
Agricultural Support Programs Total			()	119		362		419		442		0		0	1,342	2
0 11 0						1										,	
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)		1		(25)	(375)	(25)	(375)	(50)	(750)				(10	0) (1,500	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)				()	(0.0)	(10)	(150)	(20)	(300)				(3	, ,	PMU
Credit Program Sub-total	ha	(10)				(25)	(375)	(35)	(525)		(1,050)				(13		
4-3. Medium Term Credit Program	unit	500				(20)	(375)	5	2,500	(70)	(1,000)					, ,) PMU
Agricultural Credit Program Total	unit	200	()	0		375	5	3,025		1.050		0		0	0 4.450	
Agneultural Create Program Pota				,	Ŭ		515		5,025		1,000		0		Ŭ.	4,450	,
Total Program Costs by Scheme			()	119		737	1	3,444		1,492		0		0	5,792	2
- ·		•			•				· · · ·	· · · · ·						•	3
I. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili																	
1-1. Establishment of "Farmer Center"	unit	1,320				3	3,960									3 3,960	DAS, Kurunegala
Estublishment of Tarmer Center	unit	1,520	1 1	1	1	5	5,700							I		5,700	, 2710, ison unegala

Table H 3.7 Overall Work Programs by Scheme - 16/28

Scheme: Abakolawewa, Kurunegala 410 ha	1							~										Unit: Rs.00
		U.S.C.		1	2					nt of Projec					7.1		n . 1	T T C C
		Unit Cost	1st			nd		rd		4th		oth	6th		7th		Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amou	int	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amour	t Q'ty	Amount	Q'ty	Amount	Agency
		ss Program												-				
Implementation Schedule	of Irriga	tion Works																
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs		20								<u> </u>						(
1-1. Adaptive Trials, Paddy	unit	30 30			1	30	1	30						-	-	2		PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit				2		1										-	,
1-3. Demonstration Plots, Paddy	unit	16			2	32	4	64	4	40	4	40				(PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10			1	10	2	20	4	40	4	40		-	_	11		PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64									1	64		_]	-	PDOA, NWP
1-6. Demonstration Block, Paddy	unit	130												_		(
1-7. Demonstration Farm, Paddy	unit	40					2	80	2	80						2	-	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30									1	30				1	_	PDOA, NWP
1-9. Paddy Productivity Increase Program	unit	20					1	20	1	20	2	40				2	4 80	PDOA, NWP
1-10 IPM, Paddy	unit	100			1	100	1	100								2	2 200	PDOA, NWP
1-11 IPM, OFC	unit	100														() 0	
I-2. Extension Program - Farmer Training Program	ns																	
2-1. Induction Farmer Training	unit	28			1	28										1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			3	24										9	3 24	PDOA, NWP
2-3. Farmer Training	unit	30				0	1	30	1	30	1	30				3	3 90	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1	5	2	10	1	5	1	5				4	5 25	PDOA, NWP
2-5. Seed Campaign		10					2	20								2	_	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10					1	10								1		PDOA, NWP
2-7. Study Tour	unit	13					-		1	13	1	13				2		PDOA, NWP
I-3. Seed Production Programs			1 1								-							
3-1. Paddy Seed Production Program	ha	7							5	35	5	35				10) 70	PDOA, NWP
3-2. OFC Seed Production Program	ha	7							5	55	5	35				4		PDOA, NWP
5-2. Ore seed Houdelion Hogram	na	/									5	35					55	I DOA, NWI
Agricultural Support Programs Total				0		229		384		223		292		0	0		1.128	
ingite and an apport i rogi and i our				Ŭ		22)		50.		223		2/2		0	0		1,120	
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)		T			(25)	(375)	(25)	(375)	(50)	(750)		1		(100) (1,500)	PMI
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)					(23)	(373)	(10)		(20)	(300)				(30)		
Credit Program Sub-total	ha	(15)					(25)	(375)	(35)	· · ·	(70)	(1,050)				(130		1 1/10
6		500		_			(23)	(373)	(33)	2,000	(70)	(1,050)		-		(130	()	DMU
4-3. Medium Term Credit Program	unit	300		0		0		275	4	,		1.050		0	0		,	FINIU
Agricultural Credit Program Total]		0		0		375		2,525		1,050		U	0	(3,950	
Total Program Costs by Scheme				0		229		759		2,748		1,342		0	0		5,078	
Four Frogram Costs by Schellie	L	1		0		229		139		2,740		1,342		~	0		5,078	
II. Strengthening of Farmers & FOs Support Institu	tion/Fee	ilitatos																
0 0 **		mates																
II-1. Establishment of Farmers/FOs Support Facili	r	1,320	1	-1		1	2	2 0 6 0		<u> </u>				1		3	2.070	DAS Vummes 1
1-1. Establishment of "Farmer Center"	unit	1,320					3	3,960						1			3,960	DAS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 17/28

cheme: Magalle Wewa, Kurunegala 2,632 ha							Years of	er Comm	encemer	t of Proje	ct Imple	mentation							Unit: Rs
		Unit Cost		1st	2	nd		rd		th		5th		th		7th	Тс	otal	Implementatio
Sector/Sub-sector/Programs	Unit	(Rs. 000)		Amount	O'tv	Amount		Amount		Amount		Amount	1	Amount	O'ty	Amount	O'ty	Amount	Agency
		s Program	Qty	Amount	Qty	Amount	Qty	Amount	Qıy	Amount	Qıy	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Agency
Implementation Schedule		0																	
	oj irrigal	aon works																	
I. Agricultural Support Programs																			
I-1. Extension Program - Field Programs		20		1	1	20	1	20		1		-				1	2	(0)	PDOA, NWP
1-1. Adaptive Trials, Paddy	unit	30			1	30	3	30	2	00							2		,
1-2. Adaptive Trials, OFC & Vegetables	unit	30			2	60	-	90	3								8		PDOA, NWP
1-3. Demonstration Plots, Paddy	unit	16			5	80	10	160	10								25		PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10			5	50	10	100	10		10	100	10	100			45		PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64					1	64	2	128	2	128	4	256			9		PDOA, NWP
1-6. Demonstration Block, Paddy	unit	130					2	260	3	390	3	390	2	260			10	1,300	PDOA, NWP
1-7. Demonstration Farm, Paddy	unit	40															0	0	
1-8. Demonstration Farm, OFC	unit	30					1	30	2	60	3	90	3	90			9	270	PDOA, NWP
1-9. Paddy Productivity Increase Program	unit	20					4	80	6	120	8	160	8	160			26	520	PDOA, NWP
1-10 IPM, Paddy	unit	100			2	200	2	200	2	200	3	300	3	300			12	1,200	PDOA, NWP
1-11 IPM, OFC	unit	100									2	200	2	200			4	400	PDOA, NWP
I-2. Extension Program - Farmer Training Program	ns																		
2-1. Induction Farmer Training	unit	28			2	56											2	56	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			20	160											20	160	PDOA, NWP
2-3. Farmer Training	unit	30				0	2	60	2	60	2	60	2	60			8	240	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			3	15	6	30	3	15	3	15	3	15			18	90	PDOA, NWP
2-5. Seed Campaign		10					2	20	5	50	3	30					10	100	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10															0	0	
2-7. Study Tour	unit	13							1	13	1	13	1	13			3	39	PDOA, NWP
I-3. Seed Production Programs																			,
3-1. Paddy Seed Production Program	ha	7					20	140	20	140	20	140					60	420	PDOA, NWP
3-2. OFC Seed Production Program	ha	7									10	70	10	70			20	-	PDOA, NWP
				1												1			
Agricultural Support Programs Total				0		651		1.264		1,526		1,696		1.524		0		6.661	
rightentin Support Frograms Foun				0		001		1,201		1,020		1,070		1,021		Ű		0,001	
I-4. Agricultural Credit Programs																			
4-1. Cultivation Loans (Paddy)	ha	(15)					(100)	(1,500)	(150)	(2,250)	(200)	(3,000)	(200)	(3,000)			(650)	(9,750)	PMI
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)					(100)	(1,500)	(60)	(900)	(60)	(900)	(60)	(900)			(180)	(2,700)	
4-2. Cultivation Loans (OFC & vegetables) Credit Program Sub-total	ha	(15)					(100)	(1,500)	(210)	(3,150)	(260)	· /	(260)	(3,900)			(830)	(12,450)	PMU
4-3. Medium Term Credit Program	unit	500					(100)	(1,500)	13		(200)		(200)	(3,900)			(830)	13,000	DMIT
U	unit	300		0		0		1 500	15		15			2 000		0			PMU
Agricultural Credit Program Total				0		0		1,500		9,650		10,400		3,900		0	0	25,450	
Total Pressure Costs by Sohome	<u> </u>			0		651		2764		11 176		12.006		5 424		0		22.111	
Total Program Costs by Scheme				0	l	651		2,764		11,176	I	12,096		5,424		0		32,111	
Strengthening of Farmers & FOs Support Institu		litates																	
II-1. Establishment of Farmers/FOs Support Facil	r							ı					r	r		1		r	
1-1. Establishment of "Farmer Center"	unit	1,320					10	13,200	10	13,200							20	26,400	DAS, Kurunegal

Table H 3.7 Overall Work Programs by Scheme - 18/28

Scheme: Mahananneriya, Kurunegala 158 ha																			Unit: Rs.000
							Years afte	er Comm	encemer	nt of Proje	ct Implem	entation	l						_
		Unit Cost	1st		21	nd	31	rd	2	4th	5tl		6th		7t	h	То	tal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amou	nt	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty A	Amount	Q'ty An	ount	Q'ty	Amount	Q'ty	Amount	Agency
	Awarene	ss Program			-														_
Implementation Schedule	of Irriga	tion Works			_														
I. Agricultural Support Programs																			
I-1. Extension Program - Field Programs																			
1-1. Adaptive Trials, Paddy	unit	30			1	30	1	30									2	60	PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30															0	0	
1-3. Demonstration Plots, Paddy	unit	16					4	64	4	64							8	128	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10					2	20	2	20							4	40	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64							1	64							1	64	PDOA, NWP
1-6. Demonstration Block, Paddy	unit	130															0	0	
1-7. Demonstration Farm, Paddy	unit	40			2	80	2	80	2	80							6	240	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30															0	0)
1-9. Paddy Productivity Increase Program	unit	20					1	20	1	20							2	40	PDOA, NWP
1-10 IPM, Paddy	unit	100					1	100									1	100	PDOA, NWP
1-11 IPM, OFC	unit	100															0	0	
I-2. Extension Program - Farmer Training Program	ms																		
2-1. Induction Farmer Training	unit	28			1	28											1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			2	16											2	16	PDOA, NWP
2-3. Farmer Training	unit	30					1	30	1	30							2	60	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1	5	1	5	1	5							3	15	PDOA, NWP
2-5. Seed Campaign		10					1	10									1	10	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10															0	0	
2-7. Study Tour	unit	13					1	13									1	13	PDOA, NWP
I-3. Seed Production Programs																			
3-1. Paddy Seed Production Program	ha	7					5	35									5	35	PDOA, NWP
3-2. OFC Seed Production Program	ha	7															0	0	
																			-
Agricultural Support Programs Total				0		159		407		283		0		0		0		849	
I-4. Agricultural Credit Programs																			
4-1. Cultivation Loans (Paddy)	ha	(15)					(25)	(375)	(25)	(375)							(50)	(750)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)							(5)	(75)							(5)	(75)	PMU
Credit Program Sub-total	ha						(25)	(375)	(30)	(450)							(55)	(825)	
4-3. Medium Term Credit Program	unit	500					3	1,500									3	1,500	PMU
Agricultural Credit Program Total				0		0		1,875		450		0		0		0	0	2,325	
																			_
Total Program Costs by Scheme				0		159		2,282		733		0		0		0		3,174	
II. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates																	
II-1. Establishment of Farmers/FOs Support Facil	ities														<u> </u>	-			•
1-1. Establishment of "Farmer Center"	unit	1,320					1	1,320									1	1,320	DAS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 19/28

							Years afte	er Comme	encemen	t of Proje	ct Implementa	ntion						
		Unit Cost	1st		2	nd	3r	ď	4	th	5th		6th	7tł	h	1	Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty A	mount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amo	unt Q'ty	Amount	Q'ty A	Amount	Q'ty	Amount	Agency
A	warene	ss Program																
Implementation Schedule	of Irriga	tion Works			_													
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30			1	30	1	30								2	2 60	PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30														(, .)
1-3. Demonstration Plots, Paddy	unit	16			2	32	4	64	2	32						8	3 128	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10					2	20	2	20						4	40 40	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64														() ()
1-6. Demonstration Block, Paddy	unit	130														() ()
1-7. Demonstration Farm, Paddy	unit	40					1	40	1	40						2	2 80	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30														() ()
1-9. Paddy Productivity Increase Program	unit	20					1	20	1	20						2	2 40	PDOA, NWP
1-10 IPM, Paddy	unit	100					1	100								1	100	PDOA, NWP
1-11 IPM, OFC	unit	100														() ()
I-2. Extension Program - Farmer Training Program	ns													· ·				
2-1. Induction Farmer Training	unit	28			1	28										1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			2	16										2	2 16	PDOA, NWP
2-3. Farmer Training	unit	30					1	30	1	30						2	2 60	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1	5	1	5	1	5						3	3 15	PDOA, NWP
2-5. Seed Campaign		10					1	10								1	1 10	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10														() ()
2-7. Study Tour	unit	13					1	13								1	13	PDOA, NWP
I-3. Seed Production Programs																		, ,
3-1. Paddy Seed Production Program	ha	7					5	35								4	5 35	PDOA, NWP
3-2. OFC Seed Production Program	ha	7														() ()
č																		
Agricultural Support Programs Total				0		111		367		147		0	0		0		625	í
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)					(25)	(375)	(25)	(375)						(50)	(750)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)							(5)	(75)						(5	(75)	PMU
Credit Program Sub-total	ha						(25)	(375)	(30)	(450)						(55) (825))
4-3. Medium Term Credit Program	unit	500					2	1,000								2	2 1,000	PMU
Agricultural Credit Program Total				0		0		1,375		450		0	0		0	(1,825	
c c																		
Total Program Costs by Scheme				0		111		1,742		597		0	0		0		2,450)
. Strengthening of Farmers & FOs Support Institut	ion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facili	ties																	
1-1. Establishment of "Farmer Center"	unit	1,320					2	2,640								2	2,640	DAS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 20/28

							Years after	er Comme	encemen	t of Proje	ct Impleme	ntation						
		Unit Cost	1	st	2	nd	31	rd	4	th	5th		6th		7th	Tota	al	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Au	mount	Q'ty Amou	nt Q'ty	y Amount	Q'ty	Amount	Agency
A	warene	ss Program																
Implementation Schedule	of Irriga	tion Works																
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30														0	0	
1-2. Adaptive Trials, OFC & Vegetables	unit	30														0	0	
1-3. Demonstration Plots, Paddy	unit	16			2	32	4	64	2	32						8	128	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10			2	20	2	20	1	10						5	50	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64														0	0	
1-6. Demonstration Block, Paddy	unit	130														0	0	
1-7. Demonstration Farm, Paddy	unit	40					2	80	2	80						4	160	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30														0	0	
1-9. Paddy Productivity Increase Program	unit	20					1	20								1	20	PDOA, NWP
1-10 IPM, Paddy	unit	100														0	0	
1-11 IPM, OFC	unit	100														0	0	
I-2. Extension Program - Farmer Training Program	ns																	•
2-1. Induction Farmer Training	unit	28			1	28										1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			1	8										1		PDOA, NWP
2-3. Farmer Training	unit	30					1	30	1	30						2		PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1	5	1	5	1	5						3		PDOA, NWP
2-5. Seed Campaign		10					1	10								1		PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10					_									0	0	,
2-7. Study Tour	unit	13					1	13								1	13	PDOA, NWP
I-3. Seed Production Programs																-		,
3-1. Paddy Seed Production Program	ha	7					5	35								5	35	PDOA, NWP
3-2. OFC Seed Production Program	ha	. 7					5	55								0	0	
5 2. Of C Seed Houdedon Hoghan	Int																0	
Agricultural Support Programs Total				0		93		277		157		0		0	0		527	
												÷						
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)					(25)	(375)								(25)	(375)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)					(20)	(375)	(5)	(75)						(5)		PMU
Credit Program Sub-total	ha	(15)					(25)	(375)	(5)	(75)						(30)	(450)	1 100
4-3. Medium Term Credit Program	unit	500					(23)	500	(5)	(15)						(30)	· /	PMU
Agricultural Credit Program Total	unit	200		0		0	-	875		75		0		0	0	0	950	1.110
Agneultural Credit Hogitain Fota	L			0		0		015		15		0		Ū	Ŭ	Ū	750	
Total Program Costs by Scheme				0		93		1,152		232		0		0	0		1,477	1
		1	1	0		75	1 1	-,2			<u> </u>	2	<u> </u>	-			-,	4
I. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Histiti																		
1-1. Establishment of "Farmer Center"	unit	1,320					2	2,640							0	2	2.640	DAS, Kurunegala
. I. Louisinnen of Turner Conter	unt	1,520	1	1	I	I	2	2,040					I		0	-	2,040	D. D. Huranogala

Table H 3.7 Overall Work Programs by Scheme - 21/28

	1									n or i roje	et impit	ementation	1							
		Unit Cost	1st		2nd		3r	ď	4	łth	4	5th	6	ith	7	7th		Total		Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amou	nt Q	'ty Amo	unt	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amou	int	Agency
	Awarene	ss Program																		
Implementation Schedule	of Irriga	tion Works																		
I. Agricultural Support Programs																				
I-1. Extension Program - Field Programs											-							_		
1-1. Adaptive Trials, Paddy	unit	30															(0	0	
1-2. Adaptive Trials, OFC & Vegetables	unit	30															(0	0	
1-3. Demonstration Plots, Paddy	unit	16			2	32	4	64									(6		DOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10					2	20	2	20								4	40 P	DOA, NWP
1-5. Cropping Pattern Demonstration	unit	64															(0	0	
1-6. Demonstration Block, Paddy	unit	130															ſ	0	0	
1-7. Demonstration Farm, Paddy	unit	40					1	40	1	40								2	80 P	DOA, NWP
1-8. Demonstration Farm, OFC	unit	30															1	0	0	
1-9. Paddy Productivity Increase Program	unit	20							1	20								1	20 P	DOA, NWP
1-10 IPM, Paddy	unit	100					1	100										1	100 P	DOA, NWP
1-11 IPM, OFC	unit	100															(0	0	
I-2. Extension Program - Farmer Training Program	ms		•																	
2-1. Induction Farmer Training	unit	28			1	28											·	1	28 P	DOA, NWP
2-2. Induction Farmer Guidance	unit	8			2	16											1	2	16 P	DOA, NWP
2-3. Farmer Training	unit	30					1	30	1	30							1	2		DOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1	5			1	5							1	2	10 P	DOA, NWP
2-5. Seed Campaign		10					1	10									·	1	10 P	DOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10					1	10										1	10 P	DOA, NWP
2-7. Study Tour	unit	13					1	13										1	13 P	DOA, NWP
I-3. Seed Production Programs			•																	
3-1. Paddy Seed Production Program	ha	7															(0	0	
3-2. OFC Seed Production Program	ha	7															(0	0	
C C			•																	
Agricultural Support Programs Total				0		81		287		115		0		0		0		4	483	
I-4. Agricultural Credit Programs																				
4-1. Cultivation Loans (Paddy)	ha	(15)							(25)	(375)							(25	6) (3	75) PI	MU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)															(0))	(0)	
Credit Program Sub-total	ha								(25)	(375)							(25	i) (3	75)	
4-3. Medium Term Credit Program	unit	500					1	500										1 :	500 P	MU
Agricultural Credit Program Total				0		0		500		375		0		0		0	(0	375	
Total Program Costs by Scheme				0		81		787		490		0		0		0		1,	358	
II. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates																		
II-1. Establishment of Farmers/FOs Support Facili	ities																			
1-1. Establishment of "Farmer Center"	unit	1,320					3	3,960										3 3,9	960 D	AS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 22/28

							Years afte	er Comme	encemen	t of Proje	ct Implement	ation]
		Unit Cost	1st		2	nd	3r	ď	4	th	5th		6th	7ť	h	1	Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Am	ount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amo	unt Q't	y Amount	Q'ty	Amount	Q'ty	Amount	Agency
A	Awarene	ss Program	-															
Implementation Schedule	of Irriga	tion Works			_													
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		
1-1. Adaptive Trials, Paddy	unit	30			1	30	1	30								2	2 60	PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30			1	30	1	30								2	2 60	PDOA, NWP
1-3. Demonstration Plots, Paddy	unit	16			2	32	4	64	2	32						8	3 128	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10			2	20	3	30	3	30						8	8 80	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64							1	64						1	64	4 PDOA, NWP
1-6. Demonstration Block, Paddy	unit	130														() ()
1-7. Demonstration Farm, Paddy	unit	40					2	80	1	40						3	3 120) PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30														() ()
1-9. Paddy Productivity Increase Program	unit	20					1	20	1	20						2	2 40	PDOA, NWP
1-10 IPM, Paddy	unit	100					1	100								1	100) PDOA, NWP
1-11 IPM, OFC	unit	100														() ()
I-2. Extension Program - Farmer Training Program	ns																	
2-1. Induction Farmer Training	unit	28			1	28										1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			2	16										2	2 16	5 PDOA, NWP
2-3. Farmer Training	unit	30				0	1	30	1	30						2	2 60) PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1	5	1	5	1	5						3	3 15	5 PDOA, NWP
2-5. Seed Campaign		10					1	10								1	10) PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10														() ()
2-7. Study Tour	unit	13					1	13								1	13	PDOA, NWP
I-3. Seed Production Programs																		
3-1. Paddy Seed Production Program	ha	7					5	35								4	5 35	5 PDOA, NWP
3-2. OFC Seed Production Program	ha	7														() ()
Agricultural Support Programs Total				0		161		447		221		0	0		0		829)
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)					(25)	(375)	(25)	(375)						(50)	(750)) PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)					(5)	(75)	(20)	(300)						(25)) (375) PMU
Credit Program Sub-total	ha						(30)	(450)	(45)	(675)						(75)	(1,125)
4-3. Medium Term Credit Program	unit	500					2	1,000								2	1,000) PMU
Agricultural Credit Program Total				0		0		1,450		675		0	0		0	(2,125	5
Total Program Costs by Scheme				0		161		1,897		896		0	0		0		2,954	1
																		_
. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facili	ities																	
1-1. Establishment of "Farmer Center"	unit	1,320					4	5,280								2	5,280) DAS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 23/28

						Years afte	er Comm	encemen	t of Proje	ct Imple	mentation	1						
		Unit Cost	1st	2	nd	3r	ď	4	th	5	ōth	6	ith	7	th		Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Agency
A	warene	ss Program		_														
Implementation Schedule	of Irriga	tion Works		-														
I. Agricultural Support Programs																		
I-1. Extension Program - Field Programs																		•
1-1. Adaptive Trials, Paddy	unit	30				2	60											PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30															0 0	
1-3. Demonstration Plots, Paddy	unit	16		2	32	3	48	3	48		32					1	0 160	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				2	20	2	20	2	20						6 60	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64															0 0	
1-6. Demonstration Block, Paddy	unit	130															0 0	
1-7. Demonstration Farm, Paddy	unit	40				2	80	2	80	2	80						6 240	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30															0 0	
1-9. Paddy Productivity Increase Program	unit	20				1	20	1	20	2	40						4 80	PDOA, NWP
1-10 IPM, Paddy	unit	100				2	200	2	200								4 400	PDOA, NWP
1-11 IPM, OFC	unit	100															0 (
I-2. Extension Program - Farmer Training Program	ns																	
2-1. Induction Farmer Training	unit	28		1	28												1 28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8		3	24												3 24	PDOA, NWP
2-3. Farmer Training	unit	30				1	30	1	30	1	30						3 90	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5	1	5						5 25	PDOA, NWP
2-5. Seed Campaign		10				1	10	1	10								2 20	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10															0 (
2-7. Study Tour	unit	13				1	13			1	13						2 26	PDOA, NWP
I-3. Seed Production Programs																		
3-1. Paddy Seed Production Program	ha	7				5	35	5	35							1	0 70	PDOA, NWP
3-2. OFC Seed Production Program	ha	7															0 0	
C C						I												
Agricultural Support Programs Total			0		89		526		448		220		0		0		1,283	
I-4. Agricultural Credit Programs																		
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)	(25)	(375)	(50)	(750)					(100) (1,500)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)						(5)	(75)	(5)	(75)					(10	(150)	PMU
Credit Program Sub-total	ha					(25)	(375)	(30)	(450)	(55)	(825)					(110) (1,650)	
4-3. Medium Term Credit Program	unit	500				3	1,500										3 1,500	PMU
Agricultural Credit Program Total			0		0		1,875		450		825		0		0	(0 3,150	
Total Program Costs by Scheme			0		89		2,401		898		1,045		0		0		4,433	
I. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates																
II-1. Establishment of Farmers/FOs Support Facili	ties																	
1-1. Establishment of "Farmer Center"	unit	1,320				4	5,280	5	6,600			1					9 11.880	DAS, Kurunegala

Table H 3.7 Overall Work Programs by Scheme - 24/28

						Years afte	er Comme	encemen	t of Proje	ct Implementati	on		-				
		Unit Cost	1st	2	nd	3r	ď	4	th	5th		6th	7th		Т	`otal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amou	nt Q'ty	Amount	Q'ty A	mount	Q'ty	Amount	Agency
A	Awarene	ss Program															
Implementation Schedule	of Irriga	tion Works															
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs																	-
1-1. Adaptive Trials, Paddy	unit	30				2	60								2	60	PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30													0	0 0	
1-3. Demonstration Plots, Paddy	unit	16		2	32	4	64	4	64						10	160	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				1	10	2	20						3	30	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64					0		0						0	0	_
1-6. Demonstration Block, Paddy	unit	130													0	0 0	
1-7. Demonstration Farm, Paddy	unit	40				2	80	2	80						4	160	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30													0	0 0	
1-9. Paddy Productivity Increase Program	unit	20				1	20	3	60						4	80	PDOA, NWP
1-10 IPM, Paddy	unit	100				2	200	2	200						4	400	PDOA, NWP
1-11 IPM, OFC	unit	100													0	0 0	
I-2. Extension Program - Farmer Training Program	ns																
2-1. Induction Farmer Training	unit	28		1	28										1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8		4	32										4	32	PDOA, NWP
2-3. Farmer Training	unit	30				1	30	1	30						2	60	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5						4	20	PDOA, NWP
2-5. Seed Campaign		10				1	10	1	10						2	20	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10													0	0 0	
2-7. Study Tour	unit	13				1	13								1	13	PDOA, NWP
I-3. Seed Production Programs																	•
3-1. Paddy Seed Production Program	ha	7				5	35								5	35	PDOA, NWP
3-2. OFC Seed Production Program	ha	7													0	0 0	
0																	•
Agricultural Support Programs Total			0		97		532		469		0	0		0		1,098	
	-																
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)	(75)	(1,125)						(100)	(1,500)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)					(0)	(5)	(75)						(5)	(75)	PMU
Credit Program Sub-total	ha					(25)	(375)	(80)	(1,200)						(105)	(1,575)	
4-3. Medium Term Credit Program	unit	500				3	1,500								3	1,500	PMU
Agricultural Credit Program Total			0		0		1,875		1,200		0	0		0	0	3,075	
с с																	
Total Program Costs by Scheme			0		97		2,407		1,669		0	0		0		4,173	
			•														2
I. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili	ities																
1-1. Establishment of "Farmer Center"	unit	1,320				8	10,560								8	10,560	DAS, Kurunegala
	·	•														•	

Table H 3.7 Overall Work Programs by Scheme - 25/28

						Years afte	er Comm	encemer	nt of Proje	ct Implemen	tation						
		Unit Cost	1st	2	nd	3r	d	4	4th	5th		6th	7th		Tota	al	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Am	ount	Q'ty Amount	Q'ty A	mount	Q'ty	Amount	Agency
1	Awarene	ss Program	-														
Implementation Schedule	of Irriga	tion Works															
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs																	
1-1. Adaptive Trials, Paddy	unit	30													0	0	
1-2. Adaptive Trials, OFC & Vegetables	unit	30													0	0	
1-3. Demonstration Plots, Paddy	unit	16		2	32	4	64	4	64						10	160	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				1	10	2	20						3	30	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64													0	0	
1-6. Demonstration Block, Paddy	unit	130													0	0	
1-7. Demonstration Farm, Paddy	unit	40		1	40	2	80	2	80						5	200	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30													0	0	
1-9. Paddy Productivity Increase Program	unit	20				1	20	1	20						2	40	PDOA, NWP
1-10 IPM, Paddy	unit	100				2	200	2	200						4	400	PDOA, NWP
1-11 IPM, OFC	unit	100													0	0	
I-2. Extension Program - Farmer Training Program	ns																
2-1. Induction Farmer Training	unit	28		1	28										1	28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8		3	24										3	24	PDOA, NWP
2-3. Farmer Training	unit	30				1	30	1	30						2	60	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5						4	20	PDOA, NWP
2-5. Seed Campaign		10				1	10	1	10						2	20	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10													0	0	
2-7. Study Tour	unit	13				1	13								1	13	PDOA, NWP
I-3. Seed Production Programs																	
3-1. Paddy Seed Production Program	ha	7				5	35		0						5	35	PDOA, NWP
3-2. OFC Seed Production Program	ha	7					0		0						0	0	
_												•					•
Agricultural Support Programs Total			0		129		472		429		0	0		0		1,030	
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)				(25)	(375)	(25)	(375)						(50)	(750)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)						(5)	(75)						(5)	(75)	PMU
Credit Program Sub-total	ha					(25)	(375)	(30)	(450)						(55)	(825)	
4-3. Medium Term Credit Program	unit	500				3	1,500								3	1,500	PMU
Agricultural Credit Program Total			0		0		1,875		450		0	0		0	0	2,325	
Total Program Costs by Scheme			0		129		2,347		879		0	0		0		3,355	
II. Strengthening of Farmers & FOs Support Institu	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facil	ities																
1-1. Establishment of "Farmer Center"	unit	1,320				8	10,560								8	10,560	DAS, Kurunegala
		•		•	•				•								· -

Table H 3.7 Overall Work Programs by Scheme - 26/28

						Years aft	er Comm	encemen	t of Proje	ct Implementati	on						
		Unit Cost	1st		2nd	31	rd	4	th	5th	6	ith	7th	1	1	Fotal	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amou	nt Q't	y Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amour	t Q'ty	Amount	Q'ty A	Amount	Q'ty	Amount	Agency
A	Awarene	ss Program															
Implementation Schedule	of Irriga	tion Works		-													
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs																	
1-1. Adaptive Trials, Paddy	unit	30			1 30	2	60								3	3 90	PDOA, NWP
1-2. Adaptive Trials, OFC & Vegetables	unit	30													(0 0	
1-3. Demonstration Plots, Paddy	unit	16			4 64	4	64	2	32						10	160	PDOA, NWP
1-4. Demonstration Plots, OFC & Vegetables	unit	10				1	10	2	20						61	3 30	PDOA, NWP
1-5. Cropping Pattern Demonstration	unit	64													() ())
1-6. Demonstration Block, Paddy	unit	130													() ()	
1-7. Demonstration Farm, Paddy	unit	40			1 40	1	40	2	80						2	4 160	PDOA, NWP
1-8. Demonstration Farm, OFC	unit	30													() 0	
1-9. Paddy Productivity Increase Program	unit	20						1	20						1	1 20	PDOA, NWP
1-10 IPM, Paddy	unit	100				1	100	1	100						2	2 200	PDOA, NWP
1-11 IPM, OFC	unit	100													() 0	
I-2. Extension Program - Farmer Training Program	ns		•														•
2-1. Induction Farmer Training	unit	28			1 28										1	1 28	PDOA, NWP
2-2. Induction Farmer Guidance	unit	8			5 40										5	5 40	PDOA, NWP
2-3. Farmer Training	unit	30				1	30	1	30						2	2 60	PDOA, NWP
2-4. Workshop/Mass Guidance	unit	5			1 5	2	10	1	5						4		PDOA, NWP
2-5. Seed Campaign		10				1	10	1	10						2	2 20	PDOA, NWP
2-6. Rat/Wild Pig Control Campaign	unit	10													() 0	
2-7. Study Tour	unit	13				1	13								1	1 13	PDOA, NWP
I-3. Seed Production Programs			1 1							I I I I I I I I I I I I I I I I I I I							
3-1. Paddy Seed Production Program	ha	7													() ())
3-2. OFC Seed Production Program	ha	7													() 0)
			1														
Agricultural Support Programs Total				0	207		337		297		0	0		0		841	
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha	(15)						(25)	(375)						(25)	(375)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)						(5)	(75)						(5		PMU
Credit Program Sub-total	ha							(30)	(450)						(30		
4-3. Medium Term Credit Program	unit	500				1	500	()	(/						1		PMU
Agricultural Credit Program Total				0	0		500		450		0	0		0	() 950	
	1		1 1	~						I							
Total Program Costs by Scheme				0	207		837		747		0	0		0		1,791	
- •		-	· · ·		•					· · · ·	·	. <u> </u>					4
I. Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili																	
1-1. Establishment of "Farmer Center"	unit	1,320				4	5,280								2	4 5,280	DAS, Kurunegala
	L	,			1		-,									.,	,

Table H 3.7 Overall Work Programs by Scheme - 27/28

						Years afte	er Comm	encemen	t of Proje	ct Implementa	ation					
		Unit Cost	1st	2	2nd	31	rd	4	th	5th		6th	7th		Total	Implementation
Sector/Sub-sector/Programs	Unit	(Rs. 000)	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty Amo	unt Q't	y Amount	Q'ty An	nount	Q'ty An	nount Agency
A	Awarene	ss Program		_												
Implementation Schedule	of Irriga	tion Works		-												
I. Agricultural Support Programs																
I-1. Extension Program - Field Programs																
1-1. Adaptive Trials, Paddy	unit	30		1	30	2	60								3	90 PDOA, CP
1-2. Adaptive Trials, OFC & Vegetables	unit	30													0	0
1-3. Demonstration Plots, Paddy	unit	16	j	1	16	4	64	4	64						9	144 PDOA, CP
1-4. Demonstration Plots, OFC & Vegetables	unit	10		1	10	2	20	4	40						7	70 PDOA, CP
1-5. Cropping Pattern Demonstration	unit	64													0	0
1-6. Demonstration Block, Paddy	unit	130													0	0
1-7. Demonstration Farm, Paddy	unit	40)			2	80	2	80						4	160 PDOA, CP
1-8. Demonstration Farm, OFC	unit	30)												0	0
1-9. Paddy Productivity Increase Program	unit	20)			1	20	1	20						2	40 PDOA, CP
1-10 IPM, Paddy	unit	100)			1	100	1	100						2	200 PDOA, CP
1-11 IPM, OFC	unit	100)												0	0
I-2. Extension Program - Farmer Training Program	ns															
2-1. Induction Farmer Training	unit	28		1	28										1	28 PDOA, CP
2-2. Induction Farmer Guidance	unit	8		2	16										2	16 PDOA, CP
2-3. Farmer Training	unit	30)			1	30	1	30						2	60 PDOA, CP
2-4. Workshop/Mass Guidance	unit	5		1	5	2	10	1	5						4	20 PDOA, CP
2-5. Seed Campaign		10)			1	10								1	10 PDOA, CP
2-6. Rat/Wild Pig Control Campaign	unit	10)												0	0
2-7. Study Tour	unit	13				1	13								1	13 PDOA, CP
I-3. Seed Production Programs		•														
3-1. Paddy Seed Production Program	ha	7	,			5	35								5	35 PDOA, CP
3-2. OFC Seed Production Program	ha	7													0	0
Ŭ																
Agricultural Support Programs Total			()	105		442		339		0	0		0		886
	L		•													
I-4. Agricultural Credit Programs																
4-1. Cultivation Loans (Paddy)	ha	(15))			(25)	(375)	(25)	(375)						(50)	(750) PMU
4-2. Cultivation Loans (OFC & vegetables)	ha	(15)					(0)		(0)						(0)	(0)
Credit Program Sub-total	ha					(25)	(375)	(25)	(375)						(50)	(750)
4-3. Medium Term Credit Program	unit	500				2	1,000								2	1,000 PMU
Agricultural Credit Program Total			()	0		1,375		375		0	0		0	0	1,750
6 6			• •				, ,									· •
Total Program Costs by Scheme			()	105		1,817		714		0	0		0		2,636
-			•			· · · ·				•	· · ·		· ·			
Strengthening of Farmers & FOs Support Institut	tion/Fac	ilitates														
II-1. Establishment of Farmers/FOs Support Facili																
1-1. Establishment of "Farmer Center"	unit	1,320				7	9,240								7	9,240 DAS, Matale
	<u> </u>	,	ı I —				.,			· · · · ·		1			· · ·	, ,

Table H 3.7 Overall Work Programs by Scheme - 28/28

chemes: Nachchaduwa, Nuwarawewa, Tissawe	.,	, , ,							encemen	t of Proie	ct Imple	mentation							Unit: Rs.(
		Unit Cost	1s	st	2	nd		rd		th		oth		ōth	7	'th	Тс	otal	Impl
Sector/Sub-sector/Programs	Unit	(Rs. 000)	O'ty			Amount	-	Amount		Amount	O'ty	Amount		Amount	O'ty	Amount	O'ty	Amount	Agend
5		ss Program			C -7		2-5		C -7		X -5		X -7				X -7		8
Implementation Schedule		0			_														
I. Agricultural Support Programs	<u>y</u> gu																		
I-1. Extension Program - Field Programs																			
1-1. Adaptive Trials, Paddy	unit	30			8	240	8	240									16	480	IPEU
1-2. Adaptive Trials, OFC & Vegetables	unit	30			6	180	10	300	8	240							24	720	IPEU
1-3. Demonstration Plots, Paddy	unit	16			15	240	25	400	13	208							53	848	IPEU
1-4. Demonstration Plots, OFC & Vegetables	unit	10			23	230	49	490	49	490	32	320	28	280	12	120	193	1,930	IPEU
1-5. Cropping Pattern Demonstration	unit	64			2	128	2	128	5	320	7	448	7		3	192	26	1,664	IPEU
1-6. Demonstration Block, Paddy	unit	130			4	520	8	1,040	10	1,300	10	1,300	8	1,040	4	520	44	5,720	IPEU
1-7. Demonstration Farm, Paddy	unit	40			1	40	4	160	3	120	1	40					9	360	IPEU
1-8. Demonstration Farm, OFC	unit	30			1	30	4	120	6	180	10	300	8	240	2	60	31	930	IPEU
1-9. Paddy Productivity Increase Program	unit	20					18	360	19	380	22	440	19		10	200	88		IPEU
1-10 IPM, Paddy	unit	100			2	200	12	1,200	12	1,200	12	1,200	7	700	4	400	49	4,900	IPEU
1-11 IPM, OFC	unit	100							3	300	5	500	5	500	2	200	15	1,500	IPEU
Sub-total				0		1,808		4,438		4,738		4,548		3,588		1,692		20,812	
						,		,		,		,		,		,		,	
I-2. Extension Program - Farmer Training Program		20			10	22.5								-			10	22.6	IDELL
2-1. Induction Farmer Training	unit	28			12	336											12		IPEU
2-2. Induction Farmer Guidance	unit	8			87	696	10	2.50	10	2.50		220	10	200		100	87		IPEU
2-3. Farmer Training	unit	30			10		12	360	12	360	11	330	10		6	180	51		IPEU
2-4. Workshop/Mass Guidance	unit	5			12	60	23	115	12	60	8	40	1	35	3	15	65		IPEU
2-5. Seed Campaign	·.	10			6	60	18	180	12	120	6	60					42	420	IPEU
2-6. Rat/Wild Pig Control Campaign	unit	10					-	0.1	0	104	0	104			2	20	0	0	IDELL
2-7. Study Tour	unit	13					7	91	8	104	8	104	5	65	3	39	31		IPEU
Sub-total				0		1,152		746		644		534		400		234		3,710	
I-3. Seed Production Programs																			
3-1. Paddy Seed Production Program	ha	7					70	490	120	840	95	665	10	70			295	2,065	IPEU
3-2. OFC Seed Production Program	ha	7							30	210	40	280	10	70			80	560	IPEU
Sub-total				0		0		490		1,050		945		140		0		2,625	
Agricultural Support Programs Total (I-1 to I-3)				0		2,960		5,674		6,432		6.027		4,128		1.926		27,147	1
						,		- /		- / -		- /		, -		,		., .	4
I-4. Agricultural Credit Programs	1	(15)					(450)	(6.750)	(475)	(7.105)	(550)	(0.050)	(175)	(7.105)	(250)	(2.750)	(2,200)	(22.000)	DMU
4-1. Cultivation Loans (Paddy)	ha	(15)					(450)	(6,750)	(475)	(7,125)	(550)	(8,250)	(475) (220)		(250)	(3,750)	(2,200)	(33,000)	
4-2. Cultivation Loans (OFC & vegetables)	ha ha	(15)					(60) (510)	(900)	(600)	(1,875) (9,000)	(155)	(2,325) (10,575)	(-/	(-)/	(350)	(1,500)	(660) (2,860)	(9,900) (42,900)	PMU
Credit Program Sub-total		500					· · /	()	()	()	· · /		(695)	· · · ·	(550)	(5,250)	())		DMIT
4-3. Medium Term Credit Program	unit	500		0			18	9,000	31	15,500	35	17,500	6	3,000		5.050	90	45,000	
Credit Program Total				0		0		16,650		24,500		28,075		13,425		5,250		87,900	
Total Agr. Support Program Costs by Scheme				0		2,960		22,324		30,932		34,102		17,553		7,176		115,047	
I. Strengthening of Farmers & FOs Support Institut	ion/Fac	ilitates																	
II-1. Establishment of Farmers/FOs Support Facili		1												•					1
1-1. Establishment of "Farmer Center"	unit	1,320			[33	43,560	21	27.720	14	18,480					68	80 760	DAS, AI

Table H 3.8 Overall Work Programs by Extension Agency -1/3: IPEU, Anuradhapura

Scheme: 5 Schemes & 4 Cascades, Anuradhapura District: Total Command Area 1.862 ha Unit: Rs.000 Years after Commencement of Project Implementation Unit Cost 1st 2nd 3rd 4th 5th 6th 7th Total Impl. Unit (Rs. 000) O'ty Amount Sector/Sub-sector/Programs Agency Awareness Program Implementation Schedule of Irrigation Works I. Agricultural Support Programs I-1. Extension Program - Field Programs 1-1. Adaptive Trials, Paddy unit 30 4 120 6 180 2 60 12 360 PDOA, NCP 1-2. Adaptive Trials, OFC & Vegetables 30 unit 0 0 53 1-3. Demonstration Plots, Paddy unit 16 11 176 24 384 15 240 48 848 PDOA, NCP 140 40 38 380 PDOA, NCP 1-4. Demonstration Plots, OFC & Vegetables 10 30 170 14 unit 17 1-5. Cropping Pattern Demonstration unit 64 64 2 128 3 192 PDOA, NCP 1-6. Demonstration Block, Paddy unit 130 0 0 1-7. Demonstration Farm, Paddy unit 40 80 19 760 16 640 200 42 1,680 PDOA, NCP 2 30 1-8. Demonstration Farm, OFC unit 0 0 1-9. Paddy Productivity Increase Program 20 180 160 20 18 360 PDOA, NCP unit 9 8 1-10 IPM. Paddy 100 100 11 1.100 600 200 20 2,000 PDOA, NCP unit 6 1-11 IPM, OFC unit 100 0 Sub-total 506 2,838 1.968 508 5.820 I-2. Extension Program - Farmer Training Programs 2-1. Induction Farmer Training 28 252 252 PDOA, NCP unit 9 2-2. Induction Farmer Guidance unit 8 26 208 26 208 PDOA, NCP 540 PDOA, NCP 2-3. Farmer Training unit 30 8 240 8 240 60 18 2-4. Workshop/Mass Guidance unit 8 40 10 50 30 10 26 130 PDOA, NCP 6 20 140 PDOA, NCP 2-5. Seed Campaign unit 10 12 120 2 14 2-6. Rat/Wild Pig Control Campaign 10 10 2 20 30 PDOA, NCP unit 3 2-7. Study Tour 13 104 26 10 130 PDOA, NCP unit 8 510 534 290 96 1.430 Sub-total 0 0 **I-3. Seed Production Programs** 3-1. Paddy Seed Production Program 105 35 245 PDOA, NCP ha 20 140 15 3-2. OFC Seed Production Program ha 0 Ω 140 105 245 Sub-total 0 ſ Agricultural Support Programs Total (I-1 to I-3) 0 1,016 3,512 2,363 604 0 0 7.495 I-4. Agricultural Credit Programs (3,375)(375) (475)(7,125) PMU 4-1. Cultivation Loans (Paddy) ha (15)(225)(3,375)(225)(25) (0)4-2. Cultivation Loans (OFC & vegetables) ha (15)(25)(375)(30)(450)(10)(150)(0)(65)(975) PMU Credit Program Sub-total (250)(3,750)(255)(3, 825)(35) (525 (540)(8,100)ha (0)4-3. Medium Term Credit Program 500 18 9.000 18 9.000 PMU unit 0 **Credit Program Total** 0 0 12,750 3,825 525 0 0 17,100 1.016 16.262 6.188 1,129 0 24.595 Total Agr. Support Program Costs by Scheme 0 0 II. Strengthening of Farmers & FOs Support Institution/Facilitates II-1. Establishment of Farmers/FOs Support Facilities 1-1. Establishment of "Farmer Center" 1,320 0 32 42,240 32 42,240 DAS, Anu. unit 0 Ω 0 0 0 Ω Δ

Table H 3.8 Overall Work Programs by Extension Agency -2/3: PDOA, NCP

Scheme: 9 Schemes & 4 Cascades, Kurunegala District: Total 6.391 ha Unit: Rs.000 Years after Commencement of Project Implementation Unit Cost 1st 2nd 3rd 4th 5th 6th 7th Total Impl. Unit (Rs. 000) O'ty Amount Sector/Sub-sector/Programs Agency Awareness Program Implementation Schedule of Irrigation Works I. Agricultural Support Programs I-1. Extension Program - Field Programs 1-1. Adaptive Trials, Paddy unit 30 210 12 360 19 570 PDOA, NWP 1-2. Adaptive Trials, OFC & Vegetables 30 8 240 270 20 600 PDOA, NWP unit 9 3 90 31 1-3. Demonstration Plots, Paddy unit 16 496 59 944 39 624 96 135 2,160 PDOA, NWP 40 400 124 1.240 PDOA, NWP 1-4. Demonstration Plots, OFC & Vegetables 10 12 120 36 360 26 260 100 unit 10 1-5. Cropping Pattern Demonstration unit 64 64 6 384 320 256 16 1.024 PDOA, NWP 780 780 260 1-6. Demonstration Block, Paddy unit 130 5 650 6 6 19 2,470 PDOA, NWP 1-7. Demonstration Farm, Paddy unit 40 4 160 19 760 19 760 4 160 46 1,840 PDOA, NWP 30 180 12 360 PDOA, NWP 1-8. Demonstration Farm, OFC unit 30 2 60 6 90 1-9. Paddy Productivity Increase Program 20 340 22 440 18 360 160 65 1,300 PDOA, NWP unit 17 1-10 IPM. Paddy 100 300 17 1.700 12 1.200 600 300 41 4.100 PDOA, NWP unit 1-11 IPM, OFC 300 200 500 PDOA, NWP unit 100 Sub-total 1.526 5,478 4.738 3.056 1.366 16.164 I-2. Extension Program - Farmer Training Programs 2-1. Induction Farmer Training 28 392 392 PDOA, NWP unit 14 14 2-2. Induction Farmer Guidance unit 8 59 472 59 472 PDOA, NWP 1.080 PDOA, NWP 36 2-3. Farmer Training unit 30 14 420 14 420 180 60 6 2-4. Workshop/Mass Guidance unit 15 75 24 120 15 75 35 64 320 PDOA, NWP 15 110 30 31 310 PDOA, NWP 2-5. Seed Campaign unit 10 17 170 11 2-6. Rat/Wild Pig Control Campaign 10 20 20 PDOA, NWP unit 2 2 2-7. Study Tour 13 9 117 52 65 19 247 PDOA, NWP unit 4 13 939 847 657 310 88 2.841 Sub-total 0 **I-3. Seed Production Programs** 3-1. Paddy Seed Production Program 385 350 1,050 PDOA, NWF ha 55 45 315 50 150 3-2. OFC Seed Production Program 25 175 35 245 PDOA, NWP ha 10 70 385 315 525 70 1,295 Sub-total 0 ſ Agricultural Support Programs Total (I-1 to I-3) 0 2,465 6,710 5,710 3,891 1,524 0 20.300 I-4. Agricultural Credit Programs (425)(8,250) (450) (200)(3,000)(24,375) PMU 4-1. Cultivation Loans (Paddy) ha (15)(6,375)(550)(6,750)(1,625)4-2. Cultivation Loans (OFC & vegetables) ha (15)(5) (75)(145)(2, 175)(155)(2,325)(60)(900) (365)(5,475) PMU Credit Program Sub-total (430)(695) (10,425) (605) (9,075 (260)(3,900)(1,990)(29.850)ha (6, 450)4-3. Medium Term Credit Program 500 9,500 27 13,500 18 9.000 32.000 PMU unit 19 64 **Credit Program Total** 0 0 15,950 23,925 18,075 3,900 0 61,850 2.465 22.660 29.635 21,966 5.424 82.150 Total Agr. Support Program Costs by Scheme 0 0 II. Strengthening of Farmers & FOs Support Institution/Facilitates **II-1. Establishment of Farmers/FOs Support Facilities** 1-1. Establishment of "Farmer Center" 1,320 66 87,120 15 19.800 81 106,920 DAS, Kur. unit

Table H 3.8 Overall Work Programs by Extension Agency - 3/3: PDOA, NWP

					Years	s after Con	nmencem	ent of Proje	ect Implen	nentation							
		1st		2nd		Brd		4th		th	6	ōth	2	7th	Т	otal	Implementation
Sector/Sub-sector/Programs	Unit	Q'ty Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Q'ty	Amount	Agency
Awareness P	rogram	-															
Implementation Schedule of Irrigation	Works		_														
I. Agricultural Support Programs																	
I-1. Extension Program - Field Programs		· · · · · · · · · · · · · · · · · · ·					· · · ·										r
1-1. Adaptive Trials, Paddy	unit		20		28	840	2	60							50	,	IPEU, PDOAs
1-2. Adaptive Trials, OFC & Vegetables	unit		14			570	11	330							44	,	IPEU, PDOA
1-3. Demonstration Plots, Paddy	unit		58		112	1,792	71	1,136	9	144					250	,	IPEU, PDOAs
1-4. Demonstration Plots, OFC & Vegetables	unit		39		104	1,040	107	1,070	62	620	38	380	12	120	362	,	IPEU, PDOAs
1-5. Cropping Pattern Demonstration	unit		2		4	256	13	832	12	768	11	704	3	192	45	,	IPEU, PDOAs
1-6. Demonstration Block, Paddy	unit		4		-	1,690	16	2,080	16	2,080	10	1,300	4	520	63	,	IPEU, PDOA
1-7. Demonstration Farm, Paddy	unit		7			1,760	40	1,600	10	400					101		IPEU, PDOAs
1-8. Demonstration Farm, OFC	unit		1	30		150	8	240	16	480	11	330	2	60	43		IPEU, PDOA
1-9. Paddy Productivity Increase Program	unit				45	900	50	1,000	41	820	27	540	10	200	173		IPEU, PDOAs
1-10 IPM, Paddy	unit		6	600	41	4,100	31	3,100	20	2,000	10	1,000	4	400	112		IPEU, PDOAs
1-11 IPM, OFC	unit						3	300	8	800	7	700	2	200	20	2,000	IPEU, PDOA
Sub-total		0		3,896		13,098		11,748		8,112		4,954		1,692		43,500	
I-2. Extension Program - Farmer Training Program	ns																-
2-1. Induction Farmer Training	unit		36	1.008			1 1						1		36	1.008	IPEU, PDOAs
2-2. Induction Farmer Guidance	unit		174	1,008											174		IPEU, PDOAs
2-3. Farmer Training	unit		1/4	1,372	35	1.050	35	1,050	19	570	12	360	6	180	107		IPEU, PDOAs
2-4. Workshop/Mass Guidance	unit		36	180	59	295	34	1,050	17	85	10	50	3	130	159		IPEU, PDOAs
2-4. workshop/wass Guidance 2-5. Seed Campaign	unit		50		48	480	25	250	9	90	10	50	5	15	88		IPEU, PDOAs
2-6. Rat/Wild Pig Control Campaign	unit		1	10		40	25	250	,	70					5		IPEU, PDOAs
2-0. Kad what hg control campaign 2-7. Study Tour	unit		1	10	25	325	12	156	15	195	6	78	3	39	61		IPEU, PDOAs
Sub-total	unit	0		2,650	23	2.190	12	1.626	15	940	0	488	5	234	01	8,128	II EO, I DOAS
		0		2,050		2,170		1,020		740		400		234		0,120	
I-3. Seed Production Programs		· · · · · · · · · · · · · · · · · · ·		r									r				1
3-1. Paddy Seed Production Program	ha				150	1,050	180	1,260	145	1,015	10	70			485		IPEU, PDOAs
3-2. OFC Seed Production Program	ha						30	210	65	455	20	140			115		IPEU, PDOA
Sub-total		0		0		1,050		1,470		1,470		210		0		4,200	
Agricultural Support Programs Total (I-1 to I-3)		0		6,546		16,338		14,844		10,522		5,652		1,926		55,828	
I-4. Agricultural Credit Programs																	
4-1. Cultivation Loans (Paddy)	ha				(1, 125)	(16,875)	(1,275)	(19,125)	(1,025)	(15, 375)	(675)	(10, 125)	(250)	(3,750)	(4,350)	(65,250)	PMU
4-2. Cultivation Loans (OFC & vegetables)	ha				(90)	(1,350)	(300)	(4,500)	(320)	(4,800)	(280)	(4,200)	(100)	(1,500)	(1,090)		
Credit Program Sub-total	ha				(1,215)	(18,225)	(1,575)	(23,625)	(1,345)	(20,175)	(955)	(14,325)	(350)	(5,250)	(5,440)		1110
4-3. Medium Term Credit Program	unit		L		57	28,500	58	29,000	53	26,500	()))	3,000	(200)	(0,200)	174		PMU
Credit Program Total	um	0		0		46,725	50	52,625	55	46,675	0	17,325		5,250	1/1	168,600	
5		0		6516												,	
Total Program Costs by Scheme		0		6,546		63,063		67,469		57,197		22,977		7,176		224,428	<u> </u>
1. Strengthening of Farmers & FOs Support Institut	ion/Fac	ilitates															
II-1. Establishment of Farmers/FOs Support Facili																	
· · · · · · · · · · · · · · · · · · ·					131	172,920	36	47,520	14	18,480					181		DASs

Table H 3.9 Annual and Overall Work Programs of Support Services under the Project - 1/2 : Agricultural Support Programs by Scheme

						16	ears after	Comme	ncement o	of Proje	ct							
		Unit Cost	1st		2nd	3rc	d	4t	h	5	th	6th	1	7	th	Tot	al	Implementation
	Unit	(Rs. 000)	Q'ty Amoun	t Q'ty	Amount	Q'ty A	Amount	Q'ty .	Amount	Q'ty	Amount	Q'ty A	mount	Q'ty	Amount	Q'ty	Amount	Agency
I. Agricultural Support Programs																		
-5. Institutional Strengthening Program																		
5-1. Logistic Support Strengthening Program																		
Provision of Motor Cycle																		
- IPEU	unit	100		1	100	1	100									2	200	
- PDOA, NCP	unit	100		1	100	1	100									2		PDOA, NCP
- PDOA, NWP	unit	100		1	100	1	100									2	200	PDOA, NWP
Provision of Computer Set																		
- IPEU	set	200		1	200	1	200									2		IPEU
- PDOA, NCP	set	200		1	200	1	200									2		PDOA, NCP
- PDOA, NWP	set	200		1	200	1	200									2	400	PDOA, NWP
Sub-total					900		900										1,800	
5-2. Staff Training Program																		
Induction Staff Training																		
- PDOA, NCP & IPEU	unit	42	1 4	2	1			T								1	42	IPEU/PDOA
- PDOA, NWP	unit	42	1 4													1		PDOA, NWP
Refresher/In-service Training	um	42	1 4	2												1	42	rDOA, NWF
- PDOA, NCP & IPEU	unit	42		1 2	. 84	2	84	2	84	2	84	2	84	1	42	11	462	IPEU/PDOA
- PDOA, NWP	unit	42		2	2 84	2	84	2	84	2	84	2	84	1	42	11		PDOA, NWP
Sub-total	um	42	0	4	168	2	168	2	168	2	168	2	168	1	84	11	1,008	I DOA, INWI
Sub-total			0	4	108		108		108		108		108		04		1,008	
5-3. Institutional Strengthening																		
Strengthening of Guidance/Supervision/Coordin	ation																	
- IPEU	unit		20	0	500		1000		1000		1000		500		500		4,700	IPEU
- PDOA, NCP	unit		10	0	250		500		500		250		150		150		1,900	PDOA, NCP
- PDOA, NWP	unit		20	0	500		1000		1000		1000		500		300		4,500	PDOA, NWP
Strengthening of Research-Extension-Farmer Lin	nkage	•	•															,
- PDOA, NCP & IPEU	unit		20	0	600		600		600		600		600		400		3,600	IPEU/PDOA
- PDOA, NWP	unit		20		500		500		500		500		300		200			PDOA, NWP
Sub-total			90	0	2,350		3,600		3,600		3,350		2,050		1,550		17,400	,
				~			.,		2,000		0,000		_,		-,			
5-4. Upgrading of ISTI, Maha Illuppallama	unit	9,900		l	9,900											I	9,900	PDOA, NCP
					12.240		1.660		2 5 (0)		2 240	-			1 (2)		20.100	
Institutional Strengthening Total			98	4	13,318		4,668		3,768		3,518		2,218		1,634		30,108	
. Strengthening of Farmers & FOs Support Institu		pport Facilit	ies															
-1. Strengthening of Farmers/FOs Support Faciliti	-																	
1-1. Establishment of "Farmer Center"	unit	1,320				132	174,240	36	47,520	14	18,480					182	240,240	DASs
1-2. AS Center Strengthening Program																		
Provision of Motor Cycle / AS Center																		
- DAS, Anuradhapura	unit	100		4	400			T								4	400	PMU
- DAS, Kurunegala	unit	100			500											5		PMU
Renovation of Building, Office/Training Equipment	um	100			500											5	500	IMO
- DAS, Anuradhapura	unit	600		5	3,000	1	1		T	1	1		r	T	1	5	3,000	PMIT
- DAS, Anuradhapura - DAS, Kurunegala	unit	600		5	3,000											5	3,000	
- DAD, Kululegala	uIIIt	000		1 3	,											<u>_</u>	,	I WIU
, U																		
Sub-total					6,900												6,900	

Table H 3.9 Annual and Overall Work Programs of Support Services under the Project - 2/2 : Province or District Base Programs - 1

	1							<i>a</i>		0 D .								Unit: Rs.
	U G				. T				1						7.1	-	. 1	T 1
TT '4																		Implementation
			Amount	Qty	Amount	Qty A	Amount	Qty	Amount	Qty	Amount	Qty A	Amount	Qty	Amount	Qty	Amount	Agency
	oport Facili	iles																
tions																		
	1 200			1	1 200										1	1	1 200	
				1												1		DAS, Anuraqdhapu DAS, Kurunegala
	1,200			1	,											1		DAS, Kurunegala
					2,400												2,400	
unit	42	1	42	2	84	2	84	2	84	2	84	2	84	1	42	12	504	DAS, Anuraqdhap
unit	42	1	42	2	84	2	84	2	84	2	84	2	84	1	42	12	504	DAS, Kurunegala
																		-
unit	42	5	210													5	210	DAS, Anuraqdhap
unit	42	5	210													5		DAS, Kurunegala
unit	42			10	420	10	420	10	420	10	420	10	420	5	210	55	2.310	DAS, Anuraqdhap
unit						10	420	-		10	420	10	420	-		55		DAS, Kurunegala
			504			-				-		-					,	
			1		,	1	/		,		,	1					- ,	
			504		3,408		1,008		1,008		1,008		1,008		504		8,448	
			504		10,308	1	175,248		48,528		19,488		1,008		504		255,588	
unit	11,145			1	11,145											1	11,145	PDOA, NWP
unit	0.214			1	0.214											1	0.214	PDAPH, NWP
unit	9,214			1	9,214											1	9,214	rdarn, nwr
	100		1 1		200	2	200									4	400	DDADU NWD
				2		2										•		PDAPH, NWP
unit	100			2	200	2	200									4	400	PDAPH, NWP
					9,614		400										10,014	
unit	2 250		1	1	2 250			1	2 250						1	2	6 500	
unn	5,230			1	5,230			1	5,230							Z	0,300	NAQDA
							400		3,250		0		0		0		27,659	
			0		24,009		400		5,250		÷						27,057	
			0		24,009 47,635	1	400		55,546		23,006	`	3,226		2,138		313,355	
			Ŷ		47,635		180,316		55,546		23,006						313,355	
			Ŷ		, ,								3,226 22,977		2,138		,	
	unit unit unit unit unit unit unit unit	ution/Support Facility utions unit 1,200 unit 1,200 unit 1,200 unit 1,200 unit 42 unit 11,145 unit 100 unit 100	Unit (Rs. 000) Q'ty ution/Support Facilities unit 1,200 unit 1,200 unit 1,200 unit 1,200 unit 42 unit 9,214 unit 100 unit 100	Unit (Rs. 000) Q'ty Amount ution/Support Facilities	Unit (Rs. 000) Q'ty Amount Q'ty ution/Support Facilities 1 1 1 1 unit 1,200 1 1 1 1 unit 1,200 1 1 1 1 1 unit 1,200 1 1 1 1 1 1 unit 42 1 42 2 1 1 2 1 unit 42 5 210 10 10 10 10 unit 42 5 504 10 504 10 504 10	Unit (Rs. 000) Q'ty Amount Q'ty Amount ution/Support Facilities unit 1,200 1 1,200 unit 42 1 42 2 unit 42 5 210 1 unit 42 5 210 1 unit 42 5 210 1 unit 42 5 10 420 unit 42 10 420 unit 504 1,008 1 unit 9,214 1 9,214 unit 9,214 1 9,214 unit 100 2 200 unit 100 2 200 unit 100 2 <	Unit Cost (Rs. 000) 1st Q'ty 2nd Amount 3r Q'ty ution/Support Facilities ttions 1 1,200 1 1,200 unit 1,200 1 1,200 1 1,200 unit 42 1 42 2 84 2 unit 42 5 210 1 1 unit 42 5 210 1 1 unit 42 5 210 1 1 unit 42 10 420 10 1 unit 42 504 1,008 1 1 unit 9,214 1 9,214 1 9,214 1 unit 9,614 1 9,614 1 1	Unit Cost (Rs. 000) Ist Q'ty 2nd Amount 3rd Q'ty Amount Q'ty Amount ution/Support Facilities trions 1 1,200 1,200 1,200 1,200 1,200	Unit Cost (Rs. 000) 1st Q'ty 2nd Amount 3rd Q'ty 4 Amount Q'ty unit 1,200 1 1,200 1 1,200 1 unit 42 1 42 2 84 2 84 2 unit 42 5 210 1 1 1 1 1 1 unit 42 5 210 1	Unit Cost (Rs. 000) 1st Qty 2nd Amount 3rd Qty 4th Amount uition/Support Facilities ttions 1 1,200 1 1,200 1 unit 1,200 1 1,200 1 1,200 1 unit 1,200 1 1,200 1 1,200 1 unit 42 1 42 2 84 2 84 unit 42 1 42 2 84 2 84 unit 42 5 210 1 1 420 10 420 10 420 unit 42 5 210 10 420 10 420 10 420 unit 42 10 420 10 420 10 420 10 420 unit 42 10 420 10 420 10 420 10 420 10 420 10 420 10 <td< td=""><td>Unit Cost (Rs.000) 1st Qty 2nd Amount 3rd Qty 4th Amount 2 ution/Support Facilities ttions 1 1,200 1 1 1,200 1 1 1,200 1 1 1,200 1 1 1 1,200 1</td><td>Unit (Rs. 000) Qty Amount Qty Qty Amount Qty <</td><td>Unit Cost (Rs.000) Ist Qty 2nd Amount 3rd Qty 4th 5th 6d unit (Rs.000) Qty Amount <</td><td>Unit Cost (Rs.000) 1st Qty 2nd Amount 3rd Qty 4th Amount 5th Qty 6th Amount unit 1,200 1 1,200 1 1,200 1 1,200 unit 1,200 1 1,200 1 1,200 1 1 unit 1,200 1 1,200 1 1 1 1 unit 1,200 1 1,200 1 1 1 1 1 unit 42 1 42 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 10 420 10 420 10 420 10 420 10 420 10 420 10 420</td><td>Unit Cost 1st 2nd 3rd 4th 5th 6th (Rs. 000) Qty Amount Qty Amo</td><td>Unit Cost (Rs. 000) 1st (Pty 2nd Amount 3rd (Pty 4th Amount 5th (Pty 6th Amount 7th Amount unit 0rbs/support Facilities tions 1.200 1.200 1.200 1.200</td><td>Unit Cost 1st 2nd 3rd 4th 5th 6th 7th Tc ution/Support Facilities Qty Amount Qty</td><td>Unit Cost (Rs.000) Ist (Pty 2nd (Rs.000) 3rd (Pty 4th (Rs.000) 5th (Pty 6th (Rs.000) 7th (Pty Total (Rs.000) uint 1,200 1 1,200 1 1,200 1 1,200 unit 42 1 42 2,400 1 1,200 1 1,200 unit 42 1 42 2,84 2 84 2 84 1 42 12 504 unit 42 10 420 10 420 10 420 10 420 10 420 10 52,210 55</td></td<>	Unit Cost (Rs.000) 1st Qty 2nd Amount 3rd Qty 4th Amount 2 ution/Support Facilities ttions 1 1,200 1 1 1,200 1 1 1,200 1 1 1,200 1 1 1 1,200 1	Unit (Rs. 000) Qty Amount Qty Qty Amount Qty <	Unit Cost (Rs.000) Ist Qty 2nd Amount 3rd Qty 4th 5th 6d unit (Rs.000) Qty Amount <	Unit Cost (Rs.000) 1st Qty 2nd Amount 3rd Qty 4th Amount 5th Qty 6th Amount unit 1,200 1 1,200 1 1,200 1 1,200 unit 1,200 1 1,200 1 1,200 1 1 unit 1,200 1 1,200 1 1 1 1 unit 1,200 1 1,200 1 1 1 1 1 unit 42 1 42 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 84 2 10 420 10 420 10 420 10 420 10 420 10 420 10 420	Unit Cost 1st 2nd 3rd 4th 5th 6th (Rs. 000) Qty Amount Qty Amo	Unit Cost (Rs. 000) 1st (Pty 2nd Amount 3rd (Pty 4th Amount 5th (Pty 6th Amount 7th Amount unit 0rbs/support Facilities tions 1.200 1.200 1.200 1.200	Unit Cost 1st 2nd 3rd 4th 5th 6th 7th Tc ution/Support Facilities Qty Amount Qty	Unit Cost (Rs.000) Ist (Pty 2nd (Rs.000) 3rd (Pty 4th (Rs.000) 5th (Pty 6th (Rs.000) 7th (Pty Total (Rs.000) uint 1,200 1 1,200 1 1,200 1 1,200 unit 42 1 42 2,400 1 1,200 1 1,200 unit 42 1 42 2,84 2 84 2 84 1 42 12 504 unit 42 10 420 10 420 10 420 10 420 10 420 10 52,210 55

Table H 3.9 Annual and Overall Work Programs of Support Services under the Project - 2/2 : Province or District Base Programs - 2

1/: Including credit program costs

Support Program Costs (Rs.000) Years after Commencement of Project Total (Rs.000) (%) Sector/Sub-sector/Programs 1st 2nd 3rd 4th 5th 6th 7th I. Agricultural Support Program 3,896 13,098 11,748 8,112 4,954 1,692 43,500 I-1. Extension Programs - Field Program 940 234 8,128 I-2. Extension Programs - Farmer Training Program 2,650 2,190 1,626 488 1,050 1,470 1,470 210 I-3. Seed Production Program 4,200 17,325 5.250 I-4. Agricultural Credit Program 46,725 52,625 46,675 168,600 I-5. Institutional Strengthening Program 1. Logistic Support Strengthening Program 3,600 3,600 7,200 1-1. Provision of Vehicle 1,200 1-2. Provision of Computer Set 600 600 2. Staff Training Program 84 168 168 168 168 168 84 1,008 900 2,350 3,600 3,600 3,350 2,050 1,550 17,400 3. Institutional Strengthening 4. Upgrading of ISTI, Maha Illuppallama 9,900 9,900 2,218 1,634 36,708 984 16,618 7,968 3,768 3,518 Sub-total Agricultural Support Program Total - A 1/ 984 23,164 71,031 71,237 60,715 25,195 8,810 261,136 46.5 Agricultural Support Program Total - B 2/ 984 23,164 24,306 18,612 14,040 7,870 3,560 92,536 II. Strengthening of Farmers & FOs Support Institution/Facilities II-1. Farmers/FOs Support Facilities 1. Establishment of "Farmer Center" 172920 47520 18480 238,920 2. AS Center Strengthening Program 2-1. Provision of Vehicle/AS Center 10,800 10.800 2-2. Renovation of Building, Office/Training Equipmen 6,000 6,000 16,800 172,920 47,520 18,480 0 255,720 0 0 Sub-total **II-2. Farmers/FOs Support Institutions** 1. Provision of Vehicle/DAS 2,400 2,400 2. Staff Training Program 504 1008 1008 1008 1008 1008 504 6,048 504 3,408 1,008 1,008 1,008 1,008 504 8,448 Sub-total 504 20,208 173,928 48,528 19,488 1,008 504 264,168 47.1 Strengthening of Farmers & FOs Total **III. Support Programs for Income Generation** III-1. Crop Sub-sector 1. Upgrading of Seed Farm, Galgamuwa 11,145 11,145 III-2. Livestock Sub-sector 1. Upgrading of IFTC, Nikaweratiya 9,214 9,214 2. Provision of Vehicle 4,800 4,800 9,600 Sub-total 0 14,014 4,800 0 0 0 18,814 III-2. Inland Fisheries Sub-sector 3,050 3,050 6,100 1. Establishment of Aqua-culture Extension Center Support Programs for Income Generation Total 0 28,209 4,800 3,050 0 0 36,059 0 6.4 1,488 71,581 249,759 122,815 80,203 26,203 9,314 561,363 Overall Program Costs - A 1/ 100 Overall Program Costs - B 2/ 1,488 71,581 203,034 70,190 33,528 8,878 4,064 392,763

Table H 3.10 Overall Program Costs for Support Programs

1/: Including credit programs

^{2/:} Not including credit programs

Table H 3.11 Overall Program Costs for Support Programs by Implementation Agency - 1/2

1. Support Programs by IPEU

			Progra	m Costs (R	s.000)				
		Ye	ars after Co	ommencem	ent of Proje	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
I. Agricultural Support Program	_								
1. Extension Programs - Field Program		1,808	4,438	4,738	4,548	3,588	1,692	20,812	
2. Extension Programs - Farmer Training Program		1,152	746	644	534	400	234	3,710	
3. Seed Production Program			490	1,050	945	140		2,625	
4. Institutional Strengthening Program									
4-1. Logistic Support Strengthening Program		300	300					600	
4-2. Staff Training Program	42	84	84	84	84	84	42	504	
4-3. Institutional Strengthening	200	500	1,000	1,000	1,000	500	500	4,700	
Overall Costs by Agency / IPEU	242	3,844	7,058	7,516	7,111	4,712	2,468	32,951	6.1

2. Support Programs by PDOA, NCP

			Progra	m Costs (Rs	s.000)				
		Yea	ars after Co	ommenceme	ent of Proje	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
I. Agricultural Support Program									
1. Extension Programs - Field Program		506	2,838	1,968	508			5,820	
2. Extension Programs - Farmer Training Program		510	534	290	96			1,430	İ I
3. Seed Production Program			140	105				245	Í
4. Institutional Strengthening Program									
4-1. Logistic Support Strengthening Program		300	300					600	
4-2. Staff Training Program (allocated in IPEU)								0	İ I
4-3. Institutional Strengthening	300	850	1,100	1,100	850	750	550	5,500	İ I
4-4. Upgrading of ISTI, Maha Illuppallama		9,900						9,900	Í
Overall Costs by Agency / PDOA, NCP	300	12,066	4,912	3,463	1,454	750	550	23,495	4.4

3. Support Programs by PDOA, CP

			Progra	m Costs (R	(s.000)				
		Ye	ars after Co	ommencem	ent of Proj	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
I. Agricultural Support Program									
1. Extension Programs - Field Program		56	344	304				704	
2. Extension Programs - Farmer Training Program		49	63	35				147	
3. Seed Production Program			35					35	ĺ
Overall Costs by Agency / PDOA, NCP	0	105	442	339	0	0	0	886	0.2

4. Support Programs by PDOA, NWP

			Progra	m Costs (R	s.000)				
		Ye	ars after Co	ommencem	ent of Proje	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
I. Agricultural Support Program									
1. Extension Programs - Field Program		1,526	5,478	4,738	3,056	1,366		16,164	
2. Extension Programs - Farmer Training Program		939	847	657	310	88		2,841	
3. Seed Production Program			385	315	525	70		1,295	
4. Institutional Strengthening Program									
4-1. Logistic Support Strengthening Program		300	300					600	
4-2. Staff Training Program	42	84	84	84	84	84	42	504	
4-3. Institutional Strengthening	400	1,000	1,500	1,500	1,500	800	500	7,200	
Total	442	3,849	8,594	7,294	5,475	2,408	542	28,604	
II. Support Programs for Income Generation									
1. Upgrading of Seed Farm, Galugamuwa		11,145						11,145	
Overall Costs by Agency / PDOA, NWP	442	14,994	8,594	7,294	5,475	2,408	542	39,749	7.4

5. Support Programs by DAS, Anuradhapura

			Progra	m Costs (R	.s.000)				
		Ye	ars after Co	ommencem	ent of Proj	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
II. Strengthening of Farmers & FOs Support Inst	itution/Su	pport Faci	lities						
1. Strengthening of Farmers/FOs Support Facilities									
1-1. Establishment of "Farmer Center"			85,800	27,720	18,480			132,000	
2. Strengthening of Farmers/FOs Support Institutions									
2-1. Provision of Vehicle/DAS		1,200						1,200	
2-2. Staff Training Program	252	504	504	504	504	504	252	3,024	
Overall Costs by Agency / DAS, Anuradha.	252	1,704	86,304	28,224	18,984	504	252	136,224	25.4

Table H 3.11 Overall Program Costs for Support Programs by Implementation Agency - 2/2

6. Support Programs by DAS, Kurunegala

			Progra	m Costs (R	(s.000)				
		Ye	ars after Co	ommencem	ent of Proj	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
II. Strengthening of Farmers & FOs Support Inst	itution/Su	pport Faci	ilities						
1. Strengthening of Farmers/FOs Support Facilities									
1-1. Establishment of "Farmer Center"			77,880	19,800				97,680	1
2. Strengthening of Farmers/FOs Support Institutions									
2-1. Provision of Vehicle / DAS		1,200						1,200	1
2-2. Staff Training Program	252	504	504	504	504	504	252	3,024	
Overall Costs by Agency / DAS, Kurunegala	252	1,704	78,384	20,304	504	504	252	101,904	19.0

7. Support Programs by DAS, Matale

			Progra	m Costs (R	(s.000				
		Ye	ars after Co	ommencem	ent of Proj	ect		Total	
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)
II. Strengthening of Farmers & FOs Support Inst	itution/Su	pport Faci	ilities						
1. Strengthening of Farmers/FOs Support Facilities									
1-1. Establishment of "Farmer Center"			9,240					9,240	
2. Strengthening of Farmers/FOs Support Institutions									
2-1. Staff Training Program (allocated in DAS, Kru.)								0	
Overall Costs by Agency / DAS, Matale	0	0	9,240	0	0	0	0	9,240	1.7

8. Support Programs by PDAPH, NCP

		Years after Commencement of Project										
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)			
III. Support Programs for Income Generation												
1. Provision of Motor Cycle		200	200					400				
Overall Costs by Agency / PDAPH, NCP	0	200	200	0	0	0	0	400	0.1			

9. Support Programs by PDAPH, NWP

		Years after Commencement of Project											
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)				
III. Support Programs for Income Generation													
1. Upgrading of IFTC, Nikaweratiya		9,214						9,214					
2. Provision of Motor Cycle		200	200					400					
Overall Costs by Agency / PDAPH, NWP	0	9,414	200	0	0	0	0	9,614	1.8				

10. Support Programs by NAQDA

		Years after Commencement of Project											
Sector/Sub-sector/Programs	1st	2nd	3rd	4th	5th	6th	7th	(Rs.000)	(%)				
III. Support Programs for Income Generation													
1. Establishment of Aqua-culture Extension Center		3,050		3,050				6,100					
Overall Costs by Agency / NAQDA	0	3,050	0	3,050	0	0	0	6,100	1.1				

11. Support Programs Implemented by PMU

		Ye	ars after Co	ommencem	ent of Proje	ect		Total	
Sector/Sub-sector/Programs	1st	(Rs.000)	(%)						
I. Agricultural Support Program									
1. Agricultural Credit Programs									
1-1. Cultivation Loan			(18,225)	(23,625)	(20,175)	(14,325)	(5,250)	(81,600)	
1-2. Medium Term Credit			28,500	29,000	26,500	3,000		87,000	
Total	0	0	46,725	52,625	46,675	17,325	5,250	168,600	
II. Strengthening of Farmers & FOs Support Inst	itution/Suj	oport Faci	lities						
1. AS Center Strengthening Program		_							
1-1. Provision of Motor Cycle / AS Center		900						900	
1-2. AS Center Strengthening Program		6,000						6,000	
Total	0	6,900	0	0	0	0	0	6,900	
Overall Costs by Agency / PMU		6,900	46,725	52,625	46,675	17,325	5,250	175,500	32.7
Overall Support Program Costs under Projec	1,488	53,981	242,059	122,815	80,203	26,203	9,314	536,063	100

Cropping Season /			Fiscal	Year -1						Fiscal Y	Year 1				Responsive
Activities	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Parties
Yala Season Cropping															
Maha Season Cropping															
PTWG(Provincial Technical Working Group)															PDOAs/IPEU & Research Institutes
Diagnostic Teams											. – –				PDOAs/IPEU & Research Institutes
For Annual Programs															
Workshop for Program Formulation (Annual)															PMU, PDOAs/IPEU FOs
Program Formulation (Annual)															PMU, PDOAs/IPEU FOs
Preparation of AWP (Annual)															PMU, PDOAs/IPEU
Budget Arrangement (Annual)															PMU, PDOAs/IPEU
Preparation of Action Plan (Annual)															PMU, PDOAs/IPEU
For Yala Season Programs															
Preparation for Implementation (Yala Prog.)															PMU, PDOAs/IPEU FOs
Program Guidance/Training (Yala Prog.)															PMU, PDOAs/IPEU DAS, FOs, Farmers
Program Implementation (Yala Prog.)															PMU, PDOAs/IPEU DAS, FOs, Farmers
For Maha Season Programs															
Workshop for Program Review (Maha Prog.)															PMU, PDOAs/IPEU FOs
Seasonal Review of AWP (Maha Prog.)															PMU, PDOAs/IPEU
Review of Action Plan (Maha Prog.)															PMU, PDOAs/IPEU
Preparation for Implementation (Maha Prog.)															PMU, PDOAs/IPEU FOs
Program Guidance/Training (Maha Prog.)															PMU, PDOAs/IPEU DAS, FOs, Farmers
Program Implementation (Maha Prog.)															PMU, PDOAs/IPEU DAS, FOs, Farmers
M & E of Program Implementation															PMU, PDOAs/IPEU
Divisional Agricultural Committee (Monthly)															
District Agricultural Committee (Monthly)		+													

Table H 3.12 Basic Time Framework for Planning and Implementation of Agricultural Support Programs

FIGURES

