

PROGRESS REPORT

FOR

PERIOD ENDING 31st MARCH 1979

PREPARED FOR THE

**International Development Association
United Kingdom
United States Agency for International Development
Canadian International Development Agency
Kingdom of the Netherlands
European Economic Community**

THE MAHAWELI GANGA DEVELOPMENT PROJECT

**STAGE II OF PROJECT I
AREA 'H'**

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MAHAWELI DEVELOPMENT BOARD

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K. Pranich Esqr.,
Chief, Irrigation Division 1,
Agriculture Project Division,
International Development Association,
1818, H Street N.W.,
Washington DC 20433,
U.S.A.

Dear Mr. Pranich,

Mahaweli Ganga Development Project, Sri Lanka
Credit No. 701-CE

Progress Report for quarter ending 31st
March, 1979.

The Progress Report for the quarter ending 31st March, 1979 is sent herewith. We have taken this opportunity to indicate the actions we are taking on the recommendations made by the Supervision Review Mission from the IDA and associated donor countries/agencies in April, 1979.

Six copies of the report are enclosed for transmittal to CIDA, Netherlands, UK, USAID and the European Economic Community as well.

I trust these will supply the information you require at this time. I shall be glad to supply you with any additional information or clarification as may be necessary.

With best personal regards,

Yours sincerely,

Douglas Ladduwahetty
(Douglas Ladduwahetty)
Chairman

MAHAWELI DEVELOPMENT BOARD

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GENERAL DESCRIPTION OF DEVELOPMENT

The UNDP/FAO Report on the 'Master Plan' for Mahaweli Ganga Development was presented in 1968.

Stage I of Project I of the Master Plan

The diversion dam on the Mahaweli Ganga at Polgolla, a tunnel, a hydro power station at Ukuwela, the reservoir at Bowatenna and the tunnel to divert the water to the Kala Oya Basin was undertaken by the Government of Sri Lanka with the aid of the IBRD loan.

Stage II of Project I

A contiguous area of 106,000 acs. benefiting from water diverted from Phase I, Stage I of the Mahaweli Ganga Development Project is the total area covered by the Credit, (See map annexed). Of this area, about 35,000 acs. were previously irrigated, and will be benefited by the diversion.

71,000 Acs. is the extent of new land to be developed in the Kala Oya Basin as a result of the diversion. This area is represented by H1, H2, H7, H9, H4 and H5. Of this extent, about 30,700 acs. was taken up for development by the Government of Sri Lanka with its own funds, and work commenced in May, 1974.

The balance 40,300 acs. of the 'H' areas was taken up for development with aid funds under Credit agreements with IDA, CIDA, the Kingdom of the Netherlands, UK, USAID and the EEC.

The purpose of these Credits was to meet a part of the costs of the following programmes. (Reference to the annexed map enables easy identification).

Objectives of Credits

- (a) Construction of irrigation, drainage and road infrastructure (new roads, improvements to existing roads and farm roads) for approximately 40,300 acs.
- (b) Clearing of jungle and preparing approx. 40,300 acs. for cultivation, as well as settling 15,300 families on 2½ ac. blocks, construction of about 1,235 village wells in this area.
- (c) Construction of O & M facilities and equipment for 71,000 acs.
- (d) Project support in the form of farm equipment, marketing, storage and processing facilities for 71,000 acs.
- (e) Improved agricultural extension services for 106,000 acs.
- (f) Social infrastructure, e.g. schools, medical and community development facilities for 64,900 acs.
- (g) Technical assistance and monitoring.

The Credit Agreement with IDA was signed in June 1977, and made effective from 29th December, 1977. Credit agreements with other sources of aid were also made effective about the same time.

IDA	(loan)	US\$	19.0	Million
UK	(grant)	US\$	7.2	"
Canada	(loan)	Can\$	6.0	"
USAID	(grant)	US\$	0.8	"
	(loan)	US\$	5.2	"
Netherlands	(loan)	US\$	5.0	"
EEC	(grant)	US\$	2.24	"

Project Implementation was scheduled to take place over a period of five years from 01.01.1978, but on the decision taken by the Government of Sri Lanka, the implementation of this programme was accelerated.

Technical Assistance

Services of Mr. E.F. Sullivan, Project Implementation Advisor and Mr. Grant Davids, On-Farm Development Advisor continued to be available during the quarter.

ARRIVALS AND APPOINTMENTS

Arrivals

- 79.02.10 - Mr. K. Pranich of the World Bank.
79.02.09 - Mr. S. Baker of the World Bank.

Departure

- March '79 - Prof. J. Merriam left Sri Lanka on completing his services for three months as the Water Management Specialist.

Summary of Development Work in Kala Oya Basin

Stage II - System H

The present status of development of irrigation and social infrastructure in area H is as follows.

H1 Area - Galnewa Region - 5,100 Acs.

Provision of irrigation facilities and settlement work are complete. Proposed improvements to the existing social infrastructure is nearing completion.

The full area is presently under cultivation.

H2 Area - Meegalewa Region - 10,000 Acs.

All works on left bank main canal and branch canals are complete. Irrigation facilities are completed in 8,500 acs. The work on the rest is about 90% complete.

Out of a total of 52 nos. operation & maintenance buildings, 46 are completed and functioning, and the balance are in progress.

Of the 17 co-operative stores, 3 post offices, 9 schools, 25 grain stores, 5 dispensaries, 4 banks and the police station proposed for the area, 6 co-operatives, 3 post offices, 8 schools, 3 dispensaries, 18 grain stores and 3 banks are already functioning whilst the construction of the rest is in progress.

Of 10,000 acs. of farmland and 2,500 acs. of homesteads, settlement is complete in 8,300 acs. of farmlands and 1,800 acs. of homesteads respectively.

Of the allocated farmlands, about 6,800 acs. are presently under cultivation.

H7 Area - Madatugama Region - 7,200 Acs.

Main and branch canal network in this area is complete except 3,000 cubes of rock excavation and 2,700 cubes of canal lining in the main canal.

Improvements to Naha Elagamuwa tank feeding block 103 is almost complete.

Provision of irrigation facilities is complete in about 3,500 acs. The work in the rest is about 80% complete.

Of a total of 68 nos. operation & maintenance buildings, 48 are complete and functional.

Of 5 co-operative stores, 3 post offices, 27 grain stores and 10 schools proposed to strengthen the existing services, 4 co-operatives, 7 grain stores and 5 schools are complete, whilst construction is in progress in the rest.

About 4,000 acs. of farmland and 570 acs. of homesteads have been allocated to settlers, totals being 7,200 acs. and 1,500 acs. respectively.

About 2,500 acs. of the allocated farmland are ~~presently~~ being cultivated.

H9 Area - Galkiriyagama Region - 5,600 Acs.

Main and branch canal network feeding the area is complete.

The main service reservoir in the area (viz. Danbulu Oya Reservoir) is complete except installation of hoists.

Irrigation facilities are complete in about 4,500 acs. and the facilities in the balance area is about 70% complete.

14 Operation & maintenance buildings are complete out of a total of 32 nos.

3 Co-operatives, 3 grain stores and 2 post offices are complete of a total of 5 co-operatives, 11 grain stores, 3 post offices, 1 school and 1 police station proposed for the area for strengthening the existing services.

4,100 Acs. of farmland and 650 acs. of homesteads have been allocated to settlers of a total of 5,600 acs. of farmlands and 900 acs. of homesteads.

About 3,000 acs. of settled area is presently under cultivation.

H4 Area - Eppawela and Tambuttegama Regions - 23,500 acs.

22,000 Acs. of jungle have been cleared in H4 area. Excavation of Kalawewa RB canal feeding the area is about 85% complete and 55% of the structures are complete. Work is in progress in all branch and distributary canals. Field canals have been commenced in 3 blocks.

46 Operation & maintenance buildings are complete out of a total of 171 nos.

Of 8 co-operatives, 6 post offices, 23 schools, 2 police stations, 2 health centres and 15 banks proposed for the area, the construction work is in progress in 7 Co-operatives, 5 post offices, and 2 police stations.

H5 Area - Nochchiyagama and Talawa Regions - 14,000 Acs.

20,000 Acs. of jungle have been cleared of a total of 21,000 acs. ^{In} the latter part of Kalawewa RB main canal feeding this area, 80% of the excavation and 40% of the structures are complete. Work on branch and distributary canals is in progress in all the blocks whilst the field canals are being done in 3 blocks.

Of a total of 100 operation & maintenance buildings, 69 are in progress.

5 Co-operatives and 62 grain stores are in progress out of the proposed 7 nos. co-operatives, 91 grain stores, 4 post offices, 21 schools, 2 health centres, 15 banks and 1 police station.

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Summary of Progress in H4 & H5 Areas

Progress upto end of March, 1979.

Jungle clearing	-	90%
R.B. Main Canal excavation	-	85%*
R.B. Main Canal structures	-	55%
Branch Canal excavation	-	85%
Branch Canal structures	-	60%
Distributary Canal excavation	-	75%
Distributary Canal structures	-	55%
Field Canals	-	20%
Land Planing	-	06%

* The percentage completed in this item remains same due to increase in estimated quantities consequent to an increase in bed width between Stn. (385+00) and (588+00).

Description of work	Unit	Total estimated quantity	Cumulative progress upto end of Mar.	Cumulative programme upto end of Mar.
<u>E. Br. Chl. No. 6 (RVDB)</u>				
Excavation	chs.	189	121 (except bund formation)	
Structures	nos.	12	2/1	2
<u>F. Jungle Clearing</u>				
Flock 401 (MDB)			C O M P L E T E	E
402 (MDB)			C O M P L E T E	E
403 (RVDB)	acs.	2,922	2,832	2,922
404 (MDB)	acs.	1,637	1,637	1,637
405)	acs.	4,337	4,337	4,100
406)	acs.	1,719	1,359	1,669
407) (RVDB)	acs.	1,868	1,798	1,868
408)	acs.	1,523	1,123	1,523
409)	acs.	2,840	2,240	2,840
410)	acs.	1,482	782	1,208
<u>G. D'Chl. excavation</u>				
Flock 401)			C O M P L E T E	E
402) (MDB)				
403 (RVDB)	chs.	600	596	600
404 (MDB)	chs.	540	522/3	538
405)	chs.	814	498/238	715
406)	chs.	473	203/250	497
407) (RVDB)	chs.	371	335/36	411
408)	chs.	460	244/96	410
409)	chs.	780	25	60
410)	chs.	353	Nil	25

Description of work	Unit	Total estimated quantity	Cumulative progress upto end of Mar.	Cumulative programme upto end of Mar.
I. D'Chl. structures				
Blocks 401) (MDB)			C O M P L E T E	
402)	nos.	130	130	130
403) (RVDB)	nos.	154	104/32	150
404) (MDB)	nos.	133	96/32	108
405)	nos.	285	114/4	177
406)	nos.	125	8/7	100
407) (RVDB)	nos.	100	60/2	100
408)	nos.	106	1/4	52
409)	nos.	194	-/1	15
410)	nos.	113	-/2	5
J. F'Chl. excavation (MDB)				
Blocks 401	chs.	2,635	2,575	2,325
402	chs.	1,800	1,440	1,250
403	chs.	1,960	1,260	1,560
K. F'Chl. structures (MDB)				
Blocks 401	nos.	1,541	1,170	1,440
402	nos.	1,100	580	775
403	nos.	830	740	500

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BLOCKING OUT OF IRRIGABLE ALLOTMENTS - H# AREA

Block No.	Total Qnt.	<u>Perimeter Surveys (Acs)</u>		<u>Blocking out (Acs)</u>			<u>Land Marking (Acs)</u>		
		<u>Cumulative progress upto end of Mar.</u>	<u>Cumulative programme upto end of Mar.</u>	<u>Total Qnt.</u>	<u>Cumulative progress upto end of Mar.</u>	<u>Cumulative programme upto end of Mar.</u>	<u>Total qnty.</u>	<u>Cumulative progress upto end of Mar.</u>	<u>Cumulative programme upto end of Mar.</u>
401	4,000	complete	4,000	4,000	3,600	4,000	3,200	3,000	3,200
402	2,900	2,800	2,900	2,900	2,800	2,900	2,300	2,000	2,300
403	3,450	complete	3,450	3,450	3,520	3,450	2,750	2,400	2,750
404	1,950	Nil	1,950	1,950	Nil	-	1,550	Nil	-
405	4,800	3,650	4,800	4,800	Nil	-	3,800	Nil	-
406	2,000	1,000	2,000	2,000	Nil	-	1,600	Nil	-
407	2,200	complete	2,200	2,200	complete	-	1,800	Nil	-
408	1,800	complete	1,800	1,800	Nil	-	1,450	Nil	-
409	3,400	Nil	1,000	3,400	Nil	-	2,700	Nil	-
410	1,800	Nil	750	1,800	Nil	-	1,400	Nil	-

Roads - H4 Area

Description of work	Unit	Total estimated quantity	Cumulative progress upto end of Mar.	Cumulative programme upto end of Mar.
<u>1. Kala Oya-Tambuttegama Road</u>				
Metalling and Tarring	mls.	3	-	1½
Structures	nos.	4	3/1	4
<u>2. Tammenagama-Kudabilibewa Road</u>				
Formation	mls.	8	-	1
Structures	nos.	not estimated.	-	-
<u>3. Tambuttegama-Ottappuwa Road</u>				
Formation	mls.	3½	3½	3½
Structures	nos.	23	23	23
<u>4. Hangiliya-Ihala Halmillewa Road</u>				
Formation	mls.	5	3/2	-
Structures	nos.	not estimated	-	-

O & M and Infrastructure facilities in H4 Area

Type	Total*	Functional	Complete	In Progress	Not Started
O & M	171	46	55	86	30
Co-ops.	8			7	1
P.O.	6			5	1
A.	46		8	29	9
P.	2			2	

O & M - Operation & Maintenance
Co-ops. - Large and Small Scale Co-operatives.
P.O. - Post Offices
A. - Agricultural Buildings
P. - Police

* Final total may be different since certain buildings are yet to be finalized.

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Blocking out of homestead allotments - H4 Area

Block No.	Total no. of hanlets	Perimeter Surveys		Preparation of layout	
		Cumulative progress upto end of March	Cumulative program upto end of March	Cumulative progress upto end of March	Cumulative program upto end of March
401	11	11	11	8	11
402	8	4	8	4	8
403	10	10	10	10	10
404	5	5	5	1*	-
405	14	12	14	8*	-
406	6	6	6	1*	-
407	7	7	7	-	-
408	5	2	5	-	-
409	9	-	-	-	-
410	7	3*	-	-	-

* Complete ahead of program.

Description of work			Unit	Total estimated quantity	Cumulative progress upto end of Mar.	Cumulative programme upto end of Mar.
<u>E. D'Chl. excavation</u>						
Blocks	411	(SVDB)	chs.	682	400	400
	412	)	chs.	600	498/94	525
	413	)	chs.	521	474/47	388
	414	) (MDB)	chs.	563	535/28	494
	415	)	chs.	270	219/51	270
	417	)	chs.	635*	421/164	635
	418	(SSC)	chs.	339	150/147	249
	419	) (RVDB)	chs.	491	140/71	341
	420	)	chs.	392	347/20	292
	421	(MDB)	chs.	238	232	238
		(RVDB)	chs.	140	140	140
<u>F. D'Chl. structures</u>						
Blocks	411	(RVDB)	nos.	157	28/18	24
	412	)	nos.	136	109/22	133
	413	) (MDB)	nos.	141	106/30	118
	414	)	nos.	131	108/13	123
	415	)	nos.	52	45/5	57
	417	)	nos.	126	74/17	126
	418	(SSC)	nos.	64	4/7	24
	419	)	nos.	113	40/3	26
	420	) (RVDB)	nos.	90	90	90
	421	)	nos.	29	29	29
		(MDB)	nos.	42	37/5	42
<u>G. F'Chl. excavation (MDB)</u>						
Blocks	412		chs.	1,600	280	560
	415		chs.	990	257	367
	421		chs.	293	197	310

* Halmillakulama L.B. and R.B. Chls. are included.

Description of work	Unit	Total estimated quantity	Cumulative progress upto end of March	Cumulative programme upto end of March
H. F'Chl.structures (MDB)				
Blocks 412	Nos.	1,130	70	415
415	Nos.	660	115	440
421	Nos.	224	135	155

BLOCKING OUT OF IRRIGABLE ALLOTMENTS - H5 AREA

Block No:	Perimeter Survey (Acs.)			Blocking Cut (Acs.)			Landmarking (Acs.)		
	Total Qty.	Cumulative Progress upto end of March	Cumulative Programme upto end of March	Total Qty.	Cumulative Progress upto end of March	Cumulative Programme upto end of March	Total Qty.	Cumulative Progress upto end of March	Cumulative Programme upto end of March
411	2,300	Nil	Nil	2,300	Nil	Nil	1,800	Nil	Nil
412	2,650	1,850	2,650	2,650	1,850	500	2,150	300	500
413	2,150	1,500	2,150	2,150	2,150	Nil	1,700	Nil	Nil
414	2,300	2,200	2,300	2,300	1,650	Nil	1,850	Nil	Nil
415	1,600	Complete	1,600	1,600	Complete	1,600	1,250	650	260
417	2,600	Complete	2,600	2,600	Nil	Nil	2,100	Nil	Nil
418	1,800	Complete	1,800	1,800	Nil	Nil	1,450	Nil	Nil
419	1,950	Nil	1,950	1,950	Nil	Nil	1,550	Nil	Nil
420	1,400	500	1,400	1,400	Nil	Nil	1,200	Nil	Nil
421	1,200	Complete	1,200	1,200	450	Nil	1,000	350	Nil

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Roads - H5 Area

Description of work	Unit	Total estimated quantity	Cumulative progress upto end of Mar.	Cumulative programme upto end of Mar.
<u>1. Ottappuwa-Sinharagama (Andaravewa) Road</u>				
Formation	mls.	6½	6½	1
Structures	nos.	21	13/4	4
<u>2. Talawa-Andaravewa (Sinharagama) Road</u>				
Formation	mls.	8	-	3
Structures	nos.	Not estimated.	-	-
<u>3. Ottappuwa-Timbiriwewa (Nakekirasama) Road</u>				
Formation	mls.	9	-/½	-
Structures	nos.	10	8/2	-
<u>4. Galewewa-Nochchiyagama (Halmillakulama-Karambawewa) Road</u>				
Formation	mls.	4	1/2	-
Structures	nos.	Not estimated.	-	-
<u>5. Pahala Halmillewa-Galewewa Road</u>				
Formation	mls.	6	-/1	-
Structures	nos.	Not estimated.	-	-

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O & M and Infrastructure facilities in H5 Area

Type	Total*	Functional	Complete	In Progress	Not started
O & M	100			69	31
Co-ops.	7			4	3
A.	91			64	27
P.O.	4				4

- O & M - Operation & Maintenance.
- Co-ops. - Large and Small-Scale Co-operatives.
- A. - Agricultural buildings.
- P.O. - Post Offices.

* Final total may be different since certain buildings are yet to be finalized.

Blocking out of homestead allotments - H5 Area

Block No.	Total no. of hamlets	Perimeter Surveys (No. of hamlets)		Preparation of hamlet layouts (No. of hamlets)	
		Cumulative progress upto end of March	Cumulative program upto end of March	Cumulative progress upto end of March	Cumulative program upto end of March
411	7	-	7	-	-
412	8	4	8	4	8
413	6	6	6	-	6
414	5	-	5	-	5
415	5	-	5	-	5
417	5	-	5	-	5
418	5	-	5	-	-
419	7	3	7	3*	-
420	5	4	5	-	-
421	4	4	4	-	-

* Completed ahead of program.

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OPERATION & MAINTENANCE

Water Issues

Water issues were being done for the Maha 78/79 for the acreage indicated below in Regions 1, 2, 3, 4 & 9.

Region 1	-	6,300
" 2	-	2,500
" 3	-	8,500
" 4	-	2,700
" 9	-	15,000

It was observed that in areas which were developed and water issues done, irrigation difficulties such as non-availability of regulating gates, heavy seepage across the canal in fill and construction faults made water issues difficult and led to wastage of water. All the main irrigation difficulties in Regions 1, 3 & 4 have now been identified and arrangements have been made to rectify these.

Monitoring Water Issues

Civil works for the installation of automatic recording devices proposed by the IBRD Consultant are complete. In main canal turnout structures where the downstream measuring devices are available, arrangements were made to fix gauges to measure the canal discharge at the turnout structure itself. In other distributary and field channel turnout structures where the measuring devices are incomplete, discharge measurements will be taken by float method as a temporary device, and the balance work in measuring devices will be attended to during the next closed season.

Procedures for maintaining records on distribution of water have been regularised. All the monitored records will be processed at Regional Offices to ensure the water consumption is within estimations at each stage of cultivation.

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Maintenance of Canal and Road Network

The maintenance of canal and road network up to the turnout level has been attended to by O & M staff by direct labour. Although the maintenance of canals and roads within turnouts is a responsibility of farmers, so far the maintenance has not been attended to satisfactorily and in certain turnouts the canal and road system has deteriorated since the maintenance had been neglected. Action was taken to form the farmers' organizations in the project area on a turnout basis in order to get the co-operation of the farmers for maintenance of canals and roads. Initially, the irrigation difficulties within the turnout areas will be rectified and it will be handed over to the farmers for operation and maintenance through representatives elected in each turnout area.

Water Budget for Yala '79

Water Budget for Yala '79 is being prepared, based on main canals, distributary canals and distribution within turnouts. For the convenience of operation, main canals and distributary canals are arranged to have a uniform discharge with rotational issues enforced at turnouts. Water delivery schedules for distribution of water within turnouts are being prepared, and it will be made available for farmers so that they will know in advance the due date for diverting the field channel discharge to these fields.

Establishment of Offices

Regional office for Region II was established at Halmillewa till the O & M office and buildings in Galkiriyagama are released by the Construction Division. Regional office for Region 9 was established at Maha Illuppallama.

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COMMUNITY DEVELOPMENT

Educational Facilities

Arrangements were made to conduct classes above Grade 6 in schools at Halmillewa, Galnewa, Bulnewa and Hurigaswewa, and to conduct Montessori-type classes for pre-school children. During the quarter, two Montessori schools at Madatugama and one at Galnewa started functioning.

Adult education classes were held at Galnewa region. Basic details were worked out, after discussions with the Dept. of Probation & Child Care to have nurseries for children within the project area.

Public Health Activities

The immunisation programme for children was started during the quarter. Discussions on public health and family planning matters were held with the settlers during the quarter. The assistance of the Anuradhapura Nurses' Training Centre was obtained for this work.

Arrangements were made for a first aid service for settlers through volunteers.

A health week was held with discussions and film shows. A decision was taken to make and distribute the lavatory boards by the MDB.

Tree Planting Programme

A tree planting programme was organised and about 20,000 plants were distributed among settlers. Jack, mango, king coconut, margosa and tamarine plants were planted at Galnewa town, hospital premises, police grounds and along the Jaya Mawatha.



Community Development Work

Rural development societies were formed at Galnewa (2 Nos.), Madatugama (4 Nos.) and Moegalewa (7 Nos.). In addition, a community centre and^a/death donation society were formed at Galnewa.

8 Womens' Associations (Mahila Samithi) were formed within the Galnewa region during the quarter. These associations have started training the females of the area on various hand work.

8 Farmer Committees were formed at Galnewa under distributary channels and 19 were formed at Madatugama during the quarter.

Post & Telecommunication

Moegalewa post office was opened for service during the quarter. Work had been completed in the Galnewa auto exchange and telecommunication station and arrangements were made to get the telephones.

Roads

Arrangements were made to improve the conditions of roads in the project area by voluntary work. 10 Roads had been already improved by voluntary work.

Cultural and Religious Activities

Activities such as sportstournaments, film shows and religious activities on Poya days were organised. Arrangements were made to get a sports instructor and equipment for the sports committees.

SETTLEMENT

447 Farmlands were allocated to settlers in H2, H7 and H9 areas during the quarter.

In H4 area, final selection lists had been published for settlement in blocks 401, 402 and 403.

Objections and appeals have been heard in respect of blocks 412, 413, 414, 415 and 417.

Tentative selection in respect of blocks 411, 418, 419, 420 and 421 have been completed. Selection in respect of balance blocks is in progress.

250 Settlers have been selected from the area falling outside the project area in the Kekirawa electorate. They will be settled in blocks 103 and 104 of H7 area. Settlement was delayed for re-organising settlers in family groups on a new policy directive from the Ministry.

Land Acquisition and Compensation

Compensation was paid in respect of 5 villages in the H1 area. Another 14 villages have been finalised for payment of compensation.

3 Villages in H2 area have been finalised for compensation.

In H7 area, final enquiries had been completed for 3 villages.

1 Village had been fixed for final enquiries in H9 area.

In H4 & H5 areas, possession was taken over in respect of 10 villages.

Acquisition in H4 and H5 had been speeded up to enable settlement early. So far, private land holdings in respect of 8 villages have been taken over by the MDB for reallocation, and for another 15 villages acquisition orders under the Land Acquisition Act have been gazetted.

Order of completion of infrastructure facilities for settlement in H4 & H5 areas is given in the following pages.

Table 1

Order of completion of irrigation
infrastructure in blocks in H4 &
H5 areas as on end of March, 1979

<u>Block</u>	<u>%</u>
401	85
402	80
403	75
421	70
415	65
404 & 412	60
407, 413, 414 & 420	55
405	50
419	45
411 & 418	40
406 & 417	35
408	30
409	25
410	20

(Pl. see Table 2 for basis of computation)

Basis of computation for block completion in Table 2 is as follows:

Jungle clearing	33%
D-Chl. - Excavation	10%
- Structures	20%
F-Chl. - Excavation	9%
- Structures	16%
On-Farm Development	<u>12%</u>
	<u>100%</u>

Table 2

Progress of Construction Work in H4 & H5
Areas upto end of March, 1979.

Block No.	Jungle Clearing (%)	D.Chls.		F.Chls.		Total for block (%)
		Exc. (%)	Str. (%)	Exc. (%)	Str. (%)	
401	33	10	20	8.7	12.10	85
402	33	10	20	7.2	8.4	80
403	32	10	14.8	5.5	14.2	75
404	33	9	15.4	-	-	60
405	33	7.5	8.0	-	-	50
406	26	6.9	1.6	-	-	35
407	31.7	9.5	12.0	-	-	55
408	24.3	6.3	0.4	-	-	30
409	26	0.3	-	-	-	25
410	17.4	-	-	-	-	20
411	27.1	5.8	4.3	-	-	40
412	30.4	9.0	17.1	1.5	1.0	60
413	28.1	9.5	16.4	-	-	55
414	27	9.7	17.1	-	-	55
415	33	9.0	17.9	2.3	2.8	65
417	15	7.9	12.6	-	-	35
418	33	6.5	2.0	-	-	40
419	33	3.5	7.2	-	-	45
420	28.3	9.1	20	-	-	55
421	33	9.8	18.8	2.5	6.0	70

Table 3

Settlement Statistics in H4 & H5

Block No.	No. of Allotments	No. of local selectees	Vacancies for outside settlers	% Outsiders
401	1,225	1,200	25	2.0
402	900	685	215	23.9
403	1,050	375	675	64.3
404	550	50	500	90.9
405	1,350	1,100	250	18.5
406	550	300	250	45.5
407	600	500	100	16.6
408	450	350	100	22.2
409	925	200	725	78.4
410	475	300	175	36.8
411	650	200	450	69.2
412	750	250	500	66.7
413	625	150	475	76.0
414	625	375	250	40.0
415	450	125	325	72.2
417	700	550	150	21.4
418	525	525	-	Nil
419	550	200	350	63.6
420	380	230	150	39.5
421	360	360	-	Nil
	<u>13,690</u> =====	<u>8,025</u> =====	<u>5,665</u> =====	<u>41.4%</u> =====

Table 4

Status of present ownership of
lands in H4 & H5 Arcas

Block No.	Total farm acreage (Nett)	Minimum requirement of homesteads (acs.)	Asweddunised paddy (acs.)	Private undeveloped (acs.)	State undeveloped (acs.)
401	3,062	612	1,033	945	1,384
402	2,250	450	1,124	400	786
403	2,625	525	536	280	1,809
404	1,375	275	281	29	1,069
405	3,375	675	407	290	2,578
406	1,375	275	178	145	1,052
407	1,500	300	502	400	598
408	1,125	225	316	275	534
409	2,312	462	183	120	2,009
410	1,187	237	296	200	691
411	1,625	325	804	115	706
412	1,875	375	507	165	1,203
413	1,562	312	183	60	1,319
414	1,562	312	422	210	930
415	1,125	225	106	60	959
417	1,750	350	631	460	559
418	1,312	262	319	210	281
419	1,375	275	372	170	833
420	950	190	441	170	339
421	900	180	153	290	457
	<u>24,822</u>	<u>6,842</u>	<u>8,794</u>	<u>5,490</u>	<u>29,936</u>

* Includes only irrigable land.

Status of completion as on 79.03.31 of the minimum requirement of buildings for settlement in Maha '79 - H4 & H5 Areas

Location	Type of building	Total no.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Medagama Operational Village Centre Block 401	O & N Qtrs.	13	13	-/13	3 Nos. complete except finishes. 7 Nos. at 8: SS level, 3 Nos. at foundation level.
	Agriculture Stores	07	02	Nil	-
	Co-operatives	01	01	-/01	At 5' SS level, services for the present could be provided through existing Co-op.
	Sub-post Office	01	01	-/01	SS and roof complete, services for the present to be provided through the existing SPO at Maha Illuppallana.
Eppawela Town Centre Blocks 401 to 404	O & N Qtrs.	33	33	31/2	2 Nos. complete except finishes.
	Agriculture Stores	07	02	-/06	Services for the present could be provided through the existing Co-op.
	Co-operatives	02	-	-	Services for the present could be provided through the existing Co-op.
	Post Office	01	-	-	Services for the present could be provided through the existing Co-op.
	Regional Office	01	01	01	

Location	Type of building	Total no.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Kiralogama Operational Village Centre Blocks 403, 407	O & M Qrts.	13	13	3/10	All complete except finishes and fittings. - SS complete. Services for the present could be provided through the existing Co-op. All complete except 10% finishes. 10 Nos. complete except finishes and fittings. Complete upto foundation level. SS complete. Services could be provided through the existing SPO at Maha Illuppallama.
	Agric. Stores	07	02	07	
	Co-ops.	01	-	-/01	
	Sub-Post Office	01	01	-/01	
Telhiriya Operational Village Centre Blocks 403, 407	O & M Qrts.	13	13	-/13	Complete upto foundation level. SS complete. Services could be provided through the existing SPO at Maha Illuppallama.
	Agric Stores	07	02	-/07	
	Co-ops.	01	01	-/01	
	Sub-Post Office	Nil	-	-	
Talawa Town Centre Block 421	O & M Qrts.	38	31	04	Two are temporary. Presently being used by the RVDB. Services could be provided through the existing Co-op. Services could be provided through the existing PO.
	Agric. Stores	07	02	06	
	Co-ops.	02	-	-	
	Post Office	01	-	-	
	Regional Office	01	01	-	

Location	Type of building	Total No.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Tambuttegama Township	O & M Qrts.	47	47	15/33	SS complete in 25 nos. 7 Nos. at 5' SS level.
Blocks 404 to 406	Agric. Stores	7	2	-/7	SS complete in all.
	Co-ops.	2	-	-/1	Services for the present could be provided through the existing Co-op.
	Post Office	1	-	-	Services for the present could be provided through the existing Post Office.
	Regional Office	1	1	-/1	SS complete.
Kalundegama Operational Village Centre Block 405	O & M Qrts.	13	13	-/13	All at foundation level.
	Agric. Stores	7	2	-	
	Co-ops.	1	1	-/1	SS complete upto 8'.
	Sub-Post Office	1	-	-/1	SS complete.
Kuda Bellan-kadawela Non-Operational Village Centre Block 406	O & M Qrts.	4	4	Nil	
	Agric. Stores	7	2	Nil	
	Co-ops.	1	Nil		Could be serviced from Tambuttegama for the present.
Hangiliya (Malwanogama) Non-operational Village Block 408	O & M Qrts.	4	4	-/1	Site cleared.
	Agric. Stores	7	2	-	
	Co-ops.	1	-	-/1	At formation level. Could be serviced from Talawa for the present.
	Post-Office	1	-	-/1	At foundation level. Could be serviced from Talawa for the present.

Location	Type of building	Total no.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Galewewa Operational Village Centre Blocks 412, 415	O & M Qrts.	11	11	-/10	3 Nos. at 5' SS level, balance at foundation level.
	Agric. Stores	07	02	-/06	3 complete except fittings.
	Co-ops.	01	-	-	Existing Co-op. is adequate for the present.
	Sub-Post Office	01	-	-	Existing SPO is adequate for the present.
Ipalogama Operational Village Centre Blocks 413, 414	O & M Qrts.	11	11	-/06	2 Nos. complete except fittings.
	Agric Stores	07	02	-/07	3 Nos. at 5'-10' SS level.
	Co-ops.	01	-	-	1 No. complete except finishes and fittings. 5 Nos. at 10' SS level.
	Sub-Post Office	01	-	-	Presently serviced from the Ambasiyanbalagahama Co-op.
Nochchiyagama Town Centre Blocks 412 to 415	O & M Qrts.	26	31	-/19	Could be serviced from Nochchiyagama SPO for the present.
	Agric. Stores	07	02	-/03	2 Nos. complete except fittings.
	Co-ops.	02	-	-	2 Nos. complete except finishes and fittings. 10 Nos. SS complete.
	Post Office	01	-	-	SS complete in all.
	Regional Office	01	-	-	Existing Co-op. is adequate for the present.
					Existing SPO is adequate for the present.

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Location	Type of building	Total No.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Ottappuwa Non-Operational Village Centre	O & M Qrts.	02	02	01	-
	Agric. Stores	07	02	-/07	All at foundation level.
	Co-ops.	01	-	-/01	SS complete. Could be serviced for the present through Ambasiyambalagagama existing Co-op.
Blocks 410, 412, 415	Sub-Post Office	-	-	-	-
Palugama Operational Village Centre	O & M Qrts.	11	11	-/07	IS complete in 2 Nos., rest at foundation level.
	Agric. Stores	07	02	-/06	SS complete in 3 Nos., rest at foundation level.
Blocks 413, 415	Sub-Post Office	01	-	-	Could be serviced from Galewewa existing SPO for the present.
	Co-ops.	01	-	-	Could be serviced from Galewewa and Pahala Halwillewa.
Ratmalgahawewa Operational Village Centre	O & M Qrts.	13	13	-/13	5 Nos. complete except finishes. 7 Nos. at 5' SS level. 1 No. at foundation level.
	Agric. Stores	7	2	Nil	-
Blocks 420, 409 & 411	Co-ops.	1	-	Nil	Services for the present could be provided through the existing Co-op. at Talawa.
	Sub-Post Office	1	-	Nil	Services for the present could be provided through the existing SPO at Talawa.

Location	Type of building	Total No.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Pahalagama Operational Village Centre Block 410	O & M Qrts.	11	11		
	Agric. Stores	7	2		
	Co-ops.	1	Nil		Could be serviced from Galewewa for the present.
	Post Office	1	Nil		Could be serviced from Galewewa for the present.
Gurugama Non-Operational Village Centre Block 409	O & M Qrts.	4	4		
	Agric. Stores	7	2		
	Co-ops.	1	Nil		Could be serviced from Galewewa for the present.
Tammennawa Non-Operational Village Centre Block 409	O & M Qrts.	4	4		
	Agric. Stores	7	2		
	Co-ops.	1	Nil		Could be serviced from Talawa for the present.
Helebewa Operational Village Centre Block 411	O & M Qrts.	11	11	-/6	3 Nos. at 5 th SS level. 2 Nos. complete upto roof level. 1 No. at foundation level.
	Agric. Stores	7	2	-	
	Co-ops.	1	Nil	-	Could be serviced from Galewewa for the present.
Sinharagama Non-Operational Village Centre Block 418	O & M Qrts.	4	4	-/1	1 No. SS complete.
	Agric. Stores	7	2	-/3	3 Nos. at foundation level.
	Co-ops.	1	Nil	-/1	At 10 th SS level. Could be serviced for the present from Nochchiyagama.

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Location	Type of building	Total No.	Minimum requirement for settlement	No. Complete/In Progress	Remarks
Ardaravewa Non-Operational Village Centre Block 419	O & M Qrts. Agric. Stores	4 7	4 2	-/7	2 Nos. SS complete. 2 Nos. at foundation level. 5 Nos. setting out complete.
	Co-ops.	1	Nil	-/1	SS complete. Could be serviced from Nochchiyagama for the present.
	Post Office	1	Nil	-	Could be serviced from Nochchiyagama.
Lindavewa Non-Operational Village Centre Block 417	O & M Qrts. Agric. Stores	4 7	4 2	-/1 -/5	Complete upto 5: SS level. 5 Nos. at foundation level.
	Co-ops.	1	Nil	-/1	At foundation level. Could be serviced from Nochchiyagama for the present.
Pahala Hal-millewa Non-Operational Village Centre Block 414	O & M Qrts. Agric. Stores	4 7	4 2	-/1 -/7	Complete upto 5: SS level. 7 Nos. at foundation level.
	Co-ops.	1	Nil	-/1	At foundation level. Could be serviced from the existing Co-op. for the present.
Ihala Halmillewa Non-Operational Village Centre Block 403	O & M Qrts. Agric. Stores	4 7	4 2	- -	
	Co-ops.	1	Nil	-	Could be serviced from Tambuttegama for the present.

MONITORING PROJECT PERFORMANCE

AGRICULTURE

Agricultural Information - System H

A) Areas developed and cultivatable in Yala '79

<u>Region</u>	<u>Cultivable Extent (A)</u>	<u>No. of Settlers</u>	<u>Rice</u>	<u>Yala Programme</u>	
				<u>Other</u>	<u>Crops</u>
1. Kandalama (H 6-8)	4,000	648	2,979		800
2. Galkiriyagama (H9)	3,990	1,596	3,352		260
3. Galnewa (H1 & H2)	9,272	3,709	8,163		500
4. Meegalewa (H2)	3,742	1,497	2,257		450
5. M.I. (H3 & KYE)	13,000	964	11,900		1,560*
6. Madatugama	3,810	1,524	2,522		<u>75</u>
					<u>3,645</u>
					=====

includes rainfed sesamo.

B) Past Rice Yields (Bu/Acre)

Yala 1977	- 74.95
Maha 1977/78	- 89.00
Yala '78	- 52.90

G)

Cultural Practices Programmed for Yala '79 (Rice cultivation)

<u>Region</u>	<u>Extent</u>	<u>Manual</u>	<u>Tillage</u>		<u>Sowing</u>			<u>Transplanting</u>			<u>Weed Control</u>		
			<u>Animal</u>	<u>Tractor</u>	<u>Dry</u>	<u>Wet</u>	<u>Row</u>	<u>Ordinary</u>	<u>Row</u>	<u>Manual</u>	<u>Rotary Weeder</u>	<u>Chemical</u>	<u>NCPA</u>	34DPA
Kandalama (H6-8)	2,979	500	1,850	629	-	1,962	28	650	339	800	75	1,500	-
Galkiriyagama H9	3,352	450	850	2,052	-	3,100	-	200	52	100	-	700	-
Galnewa H1 & H2	8,163	450	3,000	4,713	50	6,700	250	850	313	800	250	2,500	200
Meegalewa H2	2,257	350	500	1,407	50	1,200	100	550	357	200	50	850	100
M.I. H3 & KYE	11,900	1,250	4,000	6,650	-	8,200	150	2,850	700	3,700	200	8,250	-
Madatugama	2,522	300	500	1,722	-	2,000	40	280	202	150	25	1,300	250

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D) Projected Registered Seed Paddy Issues to Private Seed Farmers - Yala '79 (Bushels)

Region	Varieties	
	<u>3 months duration</u>	<u>3½ months duration</u>
	<u>B.G. 34-8</u>	<u>B.G. 94-1</u>
Galnewa H1 & H2	200	400
Meegalewa H2	50	100
M.I. H3 & KYE	280	-
Madatugama	70	130

E) Proposed Purchase of Certified Seed Paddy from Private Seed Farmers in 1979 (Bushels)

Region	<u>3 months duration</u>	<u>3½ months duration</u>
	<u>B.G. 34-8</u>	<u>B.G. 94-1</u>
Galnewa H1 & H2	5,250	10,250
Meegalewa H2	1,250	3,250
M.I. H3 & KYE	2,100	4,000
Madatugama	8,900	-

F) Projected Fertilizer Usage on 50% Recommendations - Yala '79 (tons)

Region	Paddy		Other Crops	
	<u>Urea 46% N</u>	<u>N.P.K. Granules 10:30:30</u>	<u>Urea 46% N</u>	<u>N.P.K. Granules 10:30:30</u>
Kandalama H6-H8	158	100	13	07
Galkiriyagama H-9	158	100	01	-
Galnewa H1 & H2	351	284	08	04
Meegalewa H2	117	68	04	02
M.I. H3 & KYE	585	390	30	15
Madatugama	116	78	12	06

G) Projected Quanta Agricultural Credit - Yala '79 (Rs.)

<u>Region</u>	<u>Estimated Settlers Requiring Credit</u>	<u>Extent (Acs.)</u>	<u>Quanta of Credit</u>
Kandalama H6-H8	300	900	900,000
Galkiriyagama H9	1,000	2,500	2,500,000
Galnewa H1 & H2	750	1,855	1,855,000
Meegalewa H2	800	2,000	2,000,000
M.I. H3 & KYE	250	1,250	1,250,000
Madatugama	450	1,125	1,125,000
Eppawela	1,000	2,500	2,500,000

H) Crops other than Paddy

Of the extent considered suitable for cultivation of dry crops, the following programme is envisaged for Yala 1979. Comparable figures for 1978 are also given.

		<u>Yala '78 (achievement)</u>
Vegetables	1,160 acres	48 acres
Dry chillies	360 "	12 "
Red Onions	25 "	5.5 "
B. Onions	190 "	06 "
Soya bean	165 "	-
Cowpea	900 "	86.5 "
Green Gram	180 "	03 "
Black Gram	25 "	-
Ground nuts	15 "	-
Gingelly (Sesame)	625 "	-
	<u>3,645 acres</u>	<u>161 acres</u>

The proposed targets for Yala '79 represent about 20% of possible extents under these crops. A number of constraints exist in the more speedy extension of these crops.

- draft power constraints.
- unfamiliarity among settlers of the culture of these crops under irrigated conditions.
- marketing constraints, etc.

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In the context of the above constraints, it is considered advisable to plan towards a 100% coverage of those areas suitable for dry food crops to such crops over a period of around 5 years. In the meantime, commencing Yala '79, the following floor prices for the following crops are being assured:-

Dry Chillies	7/=
Soya beans	2/50
Green gram	3/=
Groundnut	3/=
Cowpea	2/=

I) Infrastructural Organization

In order to promote higher agricultural production, and to also ensure ready availability of agro-input services, the following measures are also in the process of being adopted.

- organization of settlers groups on a 'D' channel basis. While this would primarily assist in more effective water management, it is also expected to facilitate such groups in making common production decisions, etc.
- encouraging of the private sector to open outlets for sale of fertilizer, agro-chemicals, tractor sales/repair work, etc.

J) Anticipated Agricultural Programmes on extents being developed and settled in 1979

For details in regard to the above, Annex I is referred to. In this regard also,

- further curtailment of the cropped extent may become necessary in case settlement schedules do not get adhered to.
- a proposed Ceylon Tobacco Co. Programme for the cultivation of other crops and paddy in Region 2 (Galkiriyagama-H9) needs also to be indicated.

K) Pre-cultivation priorities for new agricultural land

1. Need for adequate land formation to at least the minimum norms before any cultivation commences. This should, and must provide for adequate land drainage.
2. Demarcation of RBE/LHG soil groups on the land in those regions already settled other than Region 3 as well as those regions to be settled.
3. At least the seasonal monitoring of irrigation as well as drainage water would be desirable particularly to keep a tab on how effective the drainages are.

L) Technical Staff

See Annex 2 for details of staff proposals (A.OO, A.II, K.V.SS) for system 'H' on the basis of one village level extension worker (K.V.S.) for every 100 settlers in the first year of settlement and thereafter one K.V.S for every 250 settlers.

ANNEX I

Region	Blocks	Developed Areas		Maha target for cultivation
		Farm loss	Acreage	
Galnewa H1, H2	301)			
	302)			
	303)			
	304)			
	305)	3,724	9,310	9,000 Acs.
	306)			
	307)			
	308)			
	309)			

Settlement Complete.

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Region	Blocks	Farm Lots	Lots Settled	Balance Settlement
Meegalewa	310	274	250	Settlement complete.
	311	328	300	Settlement complete.
	312	340	-	To be settled in May, 1979. 332 settlers from within.
	313	447	406	Settlement complete.
	314	<u>670</u>	<u>658</u>	Settlement complete.
		<u>2,059</u>	<u>1,614</u>	
		=====	=====	
Total Acreage	4,035 Acs.		Old settlers	- 1,614
Homestead Acreage	807 Acs.		New settlers to be settled in May '79	- <u>332</u>
				<u>1,946</u>

Estimated acreage that will be cultivated (Maha)

Old settlers @ 2 Acs.	-	3,228
New settlers @ 1.5 Acs.	-	<u>498</u>
Approximately		<u>3,726</u>
		=====

Region	Blocks	Farm Lots	Lots Settled	Acreage	Balance Settlement
Madatugama	101	512	496	1240.0	Settlement complete.
	102	471	461	1152.5	
	103	822	660	1650.0	660 settled
	104	<u>1,088</u>	<u>1,076</u>	<u>2720.0</u>	100 to be settled.
		<u>2,893</u>	<u>1,617</u>	<u>6762.5</u>	<u>760</u>
		=====	=====	=====	764 local
					100 outside
					150 from Kekirawa
					<u>62 from 103</u>
					<u>1,076</u>

Total irrigated acreage	-	6762.5
Homesteads	-	<u>1446.5</u>
		<u>8149.0</u>
		=====

Estimated acreage to be cultivated in Maha '79.

1,617 farmers already settled @ 2 ac.	-	3,234
1,076 farmers to be settled @ 1.5 ac.	-	<u>1,614</u>
Approximately 5,000 A.		<u>4,848 Ac.</u>
		=====

2,000 Homesteads to be serviced by 1979 Maha.

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Development & Settlement - H4 & H5

<u>Region</u>	<u>Blocks</u>	<u>No. of farm lots</u>	<u>Acreage</u>	<u>Asweddumized paddy (Acs.)</u>	<u>Homestead acreage</u>	<u>Settlement period</u>
Eppawela	401	1,225	3062.5	1,033	612.5	1st May, 1979 onwards.
	402	900	2250.0	1,124	450.0	
	403	1,050	2625.0	536	525.0	
	407	600	1500.0	502	300.0	
			<u>3,775</u>	<u>9437.5</u>	<u>3,195</u>		1887.5

Total acreage irrigable land 9437.5 Acs.
 Homestead lands 1887.5 Acs.
 Paddy (old) lands 3195.0 Acs.

	<u>Settlers</u>	
	<u>Local</u>	<u>Outside</u>
401	1,200	25
402	685	215
403	375	675
407	<u>500</u>	<u>100</u>
	<u>1,760</u>	<u>1,015</u>

Estimated Development

Old paddy area 3195.0 Acs.
 Local settlers @ 1.5 Ac. per lot 2223.0 Acs.
 Outside settlers @ 1 Ac. per lot 1015.0 Acs.
Total acreage available for cultivation in 1979 Maha 6433.0 Acs.

Homesteads - approximately 2,000 homesteads to be serviced by 1979 Maha.

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Summary of Areas to be cultivated - 'H' Area Stage II

<u>Region</u>	Maha 79/80 <u>Acreage</u>
Madatugama	5,000
Galkiriyagama	3,700
Galnewa	9,000
Meegalewa	3,700
Eppawela	7,900
Tambuttogama	1,500
Talawa	1,800
Nochchiyagama	6,100
Total	<u>38,700 Acs.</u> =====

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System H - Staff Proposals

<u>Region</u>	<u>Requirement</u>	<u>Existing</u>	<u>Vacancies</u>
1. Galnewa			
A.OO	01	01	-
A.II	04	04	-
K.V.SS (Field)	16	16	-
K.V.SS (Office)	05	01	04
2. Meegalewa			
A.OO	01	-	01
A.II	03	02	01
K.V.SS (Field)	11	07	04
K.V.SS (Office)	04	03	01
3. Madatugama			
A.OO	01	01	-
A.II	04	03	01
K.V.SS (Field)	25	12	13
K.V.SS (Office)	04	02	02
4. Kandalama (Sub Region)			
A.II	01	01	-
K.V.SS (Field)	03	03	-
K.V.SS (Office)	01	-	01
5. Galkiriyagama			
A.OO	01	-	01
A.II	05	-	05
K.V.SS (Field)	14	08	06
K.V.SS (Office)	03	-	03
6. Maha Eluppallama (Kegama/Kattiyawa)			
A.O.	01	01	-
A.II	03	03	-
K.V.SS (Field)	12	12	-
K.V.SS (Office)	03	01	02
7. Eppawela			
A.OO	01	-	01
A.II	03	01	02
K.V.SS(Field)	20	-	16
K.V.SS (Office)	04	-	04
B. <u>Staff position in existing agricultural centres serviced by AEO, EO</u>			
<u>Agricultural Centre</u>	<u>Requirement</u>	<u>Existing</u>	<u>Vacancies</u>
1.			
A.I	01	01	-
K.V.SS (Field)	03	02	01
K.V.SS (Office)	01	01	-
2. <u>Eppawela</u> (fairly outside project)			
A.II	01	01	-
K.V.SS (Field)	04	03	01
K.V.SS (Office)	01	01	-

	<u>Requirement</u>	<u>Existing</u>	<u>Vacancies</u>
3. <u>Tambuttegama</u>			
A.II	01	01	-
K.V.SS (Field)	01	-	01
K.V.SS (Office)	01	01	-
4. <u>Nochchiyagama</u>			
A.II	01	01	-
K.V.SS (Field)	06	06	-
K.V.SS (Office)	01	01	-
5. <u>Kekirawa</u>			
A.II	01	01	-
K.V.SS (Field)	05	05	-
K.V.SS (Office)	01	01	-
6. <u>Polagala (outside Project)</u>			
A.II	01	01	-
K.V.SS (Field)	02	02	-
K.V.SS (Office)	01	01	-
7. <u>Andigama</u>			
A.II	01	01	-
K.V.SS (Field)	02	01	01
K.V.SS (Office)	01	01	-
8. <u>Negampaha</u>			
A.II	01	-	01
K.V.SS (Field)	02	02	-
K.V.SS (Office)	01	-	01

C. Immediate Requirements - Head Quarters Staff

<u>Designation</u>	<u>Requirement</u>	<u>Existing</u>	<u>Vacancies</u>
P.A.E.O.	01	01	-
A.P.A.E.O.	01	-	01
S.M.OO	09	04	05
A.II	01	01	-
K.V.SS (Office)	02	01	01
Clerks Gr. 3	08	03	05
Clerks Gr. 2	01	01	-
Steno (English)	01	-	01
Steno (Sinhalese)	01	01	-
Peons	01	-	01
Office Labourers	01	-	01
S.KK	02	02	-
Tractor Drivers	06	01	05
Spray Operators	06	-	06

D. Additional staff requirements-second half of 1979 with development and settlement of Talawa, Nochchiyagama and Tambuttegama Regions.

<u>Designation</u>	<u>Requirement</u>	<u>Existing</u>	<u>Vacancies</u>
A.OO	03	-	03
A.II	18	03*	15
K.V.SS (Field)	130	19*	111
K.V.SS (Office)	08	03*	05

*-From existing Agriculture Centres.

Credit Facilities

The credit facilities made available through Banks in the project area for agricultural and other activities are given below.

Bank	Farmers	Amount (Rs.)
People's Bank) Galnewa	511	541,021
) Madatugama	331	728,808
Bank of Ceylon) Galnewa	107	199,421
) Madatugama	28	30,491
Total	977	1,499,741

Bank	Account Numbers	Deposit (Rs.)
Bank of Ceylon, Galnewa	62	418,674
People's Bank, Galnewa.	1,728	538,817

Insecticides and Fertilizer

Insecticides and pesticides were issued through Co-operatives to farmers in Galnewa and Madatugama regions.

85,000 kg. of urea and 7,500 kg. of N.P.K. were issued to farmers in the Galnewa region.

Research & Pilot Projects

Irrigation and Water Management Research Project - Kalawewa

During Maha, the Reddish Brown Earth was cultivated with upland rice and the Low Humic Gley soils with lowland rice. The objective of this cropping pattern was to study the feasibility of growing upland rice in the RBE under rainfed conditions with supplementary irrigation when plants develop moisture stress.

In the LHG, the lowland rice was irrigated under rotational issue of water. Each lyadde was completely blocked after each irrigation, and rate of depletion of water level in selected basins were measured in order to estimate deep percolation losses.

The results of the investigations are being analyzed.

Irrigation System Trials in Block 404 of H4

In the preliminary feasibility study of the Victoria Scheme, it had been proposed that field trials should be established to test the performance of irrigation systems which were put forward as possible alternatives to the conventional system currently used in Sri Lanka.

Block 404 was selected for the trials since it is part of an on-going project with irrigation facilities available by October 1979, and with similarities in soils, topography, climate, etc. to system C.

It is proposed to incorporate three different irrigation systems into different parts of D 2 Channels. The first is the conventional system which delivers equal amounts of water to every farm without regard for variations in soils and cropping, the second is the dual system in which the lowland and upland soils are irrigated separately and the third is the interceptor channel system where farms lower down the slopes would receive water through interceptor channels which act as drainage channels for upland areas and supply channels for lower areas.

The capacity of D2 channel will be increased to allow for 12 hours irrigation per day and a number of measuring structures will be constructed. A section of the D2 channel will be lined to assess seepage losses from unlined channels. The area will be settled with real farmers and alternative patterns of settlement will be tried out. Recordings will be made on water flows, climatic data, agricultural inputs and the reactions of both farmers and management.

Trial Pipeline System

A trial installation of pipelines, in lieu of open field channels is being undertaken for about 400 acres in block 404. The proposal was made by Prof. John L. Merriam, a Water Management Specialist employed by the MDB. The objectives of the pipelines are to increase crop production and save water by providing: better control of the water, more equitable distribution among the farmers in each turnout area, adaptability to irrigation of various crops as crop patterns change, greater operating flexibility for the farmer, including irrigation by the farmer during daylight hours only, and reduced seepage losses.

The pipelines will be installed in lieu of field channels. They will be semi-closed systems operating under a maximum pressure head of 20 feet, with pressure reducing valves installed where needed. The pipelines will be fed from a canal, which in turn will be supplied by a small reservoir on the distribution channel. Automatic gates in the system will feed water to the pipelines as needed.

As of May 1979, designs on the system were nearing completion and construction will start in June, 1979. The system is expected to be available for use in Yala 1980.

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ARTI Bench Mark Surveys

During the year 1978, the ARTI undertook two assignments for the Mahaweli Project, namely -

- 1) Bench Mark Survey - a pre investment survey in the H4 and H5 areas.
- 2) Sample surveys to estimate the number of non-farm households and their sources and levels of income prior to initiation of investment programmes.

A sample covering 519 households in the development regions 5, 6, 7 and 8 were used to collect the data required. Field work in respect of the above two surveys was completed during March-April 1978 prior to commencement of development programme.

In addition, supplementary information in respect of existing institutional support and infrastructural facilities for farming, types of commercial establishment in the project area and facilities available for processing of agricultural produce were collected.

The report which is expected to be available by end of June will give information on -

- 1) Characteristics of the project area.
- 2) Infrastructure and social amenities.
- 3) Labour force and non-farm employment.
- 4) Land use and tenure.
- 5) Lowland farming.
- 6) Institutional support for farming.
- 7) Social organization and structure of a traditional village in the survey area.

An in-depth sociological study of a purana village (Tambuttegama) which is the largest village in the H area was also undertaken by the ARTI, and the report on this will be available by August.

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Malaria Monitoring Programme

Anti-malaria pills were issued to settlers through volunteers who were given a series of lectures on Malaria eradication activities. The activities of these volunteers during the quarter is tabulated below:

Region	No. of Centres	No. of volunteers	No. of patients	Pills distributed		No. of lecturers for volunteers
				Prima quoine	Camo quoine	
Galnewa	31	31	112	1,008	722	2
Madatugama	23	23	192	1,686	1,021	2
Galkiri-yagama	13	13	8	80	56	-
Meegalewa	51	51	123	1,230	861	1
	118	118	435	4,004	2,660	5

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SUMMARY OF PAST PERFORMANCE AND PROJECTIONS FOR 1979-1980

SUMMARY & PROJECTIONS

(a) Target for carry over programme in H2, H7 & H9 Areas	-	19,000	acs. farmland
• Nett carry over programme in H2, H7 & H9 Areas	-	16,110	"
(b) Target for new programme in H4 & H5 Areas	-	40,000	"
• Nett for new programme in H4 & H5 Areas	-	<u>35,500</u>	"
Total nett programme in 'H' Areas		<u>51,610</u>	

* Reduction due to re-surveys, loss to lift irrigation scheme, etc.

Description	H1 Galnewa	H2 Mecgalewa	H7 Kandalama	H9 Galkiri- yagona	H4 Eppawela/ Pambuttogama	H5 Nechchiya- gana/Talawa	Grand Total
1. Acreage developed upto end 1977	5,110	4,537	2,679	Nil	Nil	Nil	12,326
2. Additional acreage delivered in 1978	-	1,600	1,370	3,920	Nil	Nil	6,890
3. Acreage to be delivered in 1979	-	3,950	3,555	1,715	9,800	7,700	26,720
4. Acreage to be delivered in 1980	-	-	-	-	11,800	6,200	18,000
Total	5,110	10,087	7,604	5,635	21,600	13,900	63,936

PROGRESS OF PROCUREMENT OF MACHINERY AND EQUIPMENT UNDER THE CREDITS

Items of Equipment	Qty.	Bids opened (Date)	Orders placed (Date)	Shipped on (Date)	Arrived in harbour (Qty/Date)	Cleared from harbour (Qty/Date)	At local agents (Qty/Date)	Taken into inventory	Handed over to DM & E (Qty/Date)	Present location
a) EQUIPMENT TO BE FURNISHED BY CIDA										
1. Crane, truck mounted, 10 Tón	1	16.02.78	16.02.78	06.12.78	15.01.79	24.01.79	24.01.79	-	Yes 06.04.79	DM & E
2. Fork lift truck, hydraulic 5 Ton	1	30.12.77	07.03.78	28.06.78	04.08.78	23.10.78	23.10.78	Yes	Yes 27.11.78	DM & E
3. Water bowser, 1200 Imp. Gallons	8	14.02.78	03.04.78	07.12.78	15.01.79	01.02.79				Maha Illuppalama.
4. Fuel bowzers, 1000 Imp. Gallons	2	14.02.78	03.04.78	15.01.79	20.03.79	22.03.79				
5. Truck, dump 5 Cu.yd.	6	14.02.78	03.04.78	07.12.78	15.01.79	02.02.79				5 at M.I.
6. Truck, chassis only, 5 Ton	24	14.02.78	03.04.78	Six on 07.12.78 Eighteen on 15.01.79	15.01.79	22.03.79	22.03.79			
7. Truck, service (lub. & maintenance)	1	09.02.79								
8. Truck, repair	1	14.02.78	03.04.78	15.01.79	20.03.79	22.03.79	22.03.79			
9. Truck, van/w cinema equipment	1	09.02.79								
10. Bus, 30 passenger, diesel	1		Tender	not	called	yet.				
11. Ambulance	2	09.02.79		Not	shipped	yet.				
12. Truck, pick-up 3/4T	18		Tender	not	called	yet.				

Items of Equipment	Qty.	Bids opened (Date)	Orders placed (Date)	Shipped on (Date)	Arrived in harbour (Qty/Date)	Cleared from harbour (Qty/Date)	At local agents (Qty/Date)	Taken into inventory	Handed over to DM & E (Qty/Date)	Present location
13. Field wagon, 4 x 4	9		Tender not	called	yet.					
14. Field car, 4 x 4	59	15.01.79	Tender	not processed	with,	as left hand drive	F/cars were available.			
15. Field cars, welding 4 x 4	1		Tender not	called	yet.					
16. Outboard motor, 4 h.p.	4			08.09.78	09.10.78					
17. Air compressor, 350 cfm, 4-wheel drive	5)			19.06.78	26.10.78	12.12.78				Maha Illuppalama.
18. Drill, pneumatic, T. handle	20)	30.12.77								
19. Mixer concrete 10/7 cu.ft.	12	30.12.77	06.03.78	29.08.78	09.10.78	25 & 26 Oct. '78		Yes		M.I.
20. Vibrator, concrete	24	30.12.77	06.03.78	27.08.78	Oct. '78			Yes		M.I.
21. Radio transceivers, SSB	15	30.12.77		12.06.78	June '78			Yes		11 at sites. 4 in stores.
22. Storage and processing equipment		Specifications forwarded to Paddy Marketing Board for their comments. Tenders will be called shortly on receipt of P.M.B. approval.								
23. Telephone system (60 unit)			Tenders not	called	yet.					
24. Chain Saws	50	30.12.77	06.03.78	09.05.78	Air Port 30.05.78					7 at R.V.D.B. 43 at M.I.
25. Low bed trailer, 45 T	1	09.02.79		Not	shipped	yet.				
26. Fuel bowsers, 2,250 gal.	3	09.02.79		Not	shipped	yet.				

Items of Equipment	Qty.	Bids opened (Date)	Orders placed (Date)	Shipped on (Date)	Arrived in harbour (Qty/Date)	Cleared from harbour (Qty/Date)	At local agents (Qty/Date)	Taken into inventory	Handed over to DM & E (Qty/Date)	Present location
b) <u>EQUIPMENT TO BE FURNISHED BY USAID</u>										
1. Tractor, Crawler 30 h.p. w/dozer 3 shank ripper, jungle canopy	5)	27.02.78	19.06.78	08.08.78	7th & 8th Nov. '78	22.12.78.				
2. Tractor, Crawler 200 h.p. w/dozer and 3 shank ripper	8)									
3. Grader, motorized 125 h.p.	10	27.02.78	14.08.78	08.10.78		Feb. '78			29.03.79	
4. Vibrator rollers, 0.91 hand operated	14	27.02.78		13.10.78						7 Nos. at M.I.
5. Tractor, 60-70 h.p.	31	27.02.78	06.06.78	08.10.78	14.12.78.					
6. Surveying and office equip.	1	27.02.78		Tenders	not	awarded	yet.			
7. Air Compressor, 85 cfm (Workshop)		27.02.79		"	"	"	"			
8. Workshop equipment		27.02.79		"	"	"	"			
9. Misc. Generators, Pumps, etc. for maintenance		27.02.79		"	"	"	"			
10. Monitoring equip.		27.02.79		"	"	"	"			

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Item of Equipment	Qty.	Bids opened (Date)	Orders placed (Date)	Shipped on (Date)	Arrived in harbour (Qty/Date)	Cleared from harbour (Qty/Date)	At local agents (Qty/Date)	Taken into inventory	Handed over to DM & E (Qty/Date)	Present location
e) EQUIPMENT TO BE FURNISHED UNDER UK GRANT										
1. Tractor, 4-wheel drive, 60-70 h.p.	50				15.10.78					
2. Tractor, 4-wheel drive, 40-50 h.p.	311				100 Nos.					
3. 11 Tine tillers	25	18.09.78								
4. 3 Furrow disc ploughs	30	18.09.78								
5. Rear mounted blades	10	18.09.78		16.01.78						
6. Offset disc harrows	10	18.09.78		28.02.79						
7. Rotovators	10	18.09.78								
8. Front mounted blades	10	18.09.78								
9. Ditchers	10	18.09.78								
10. Trailers, 5T	50	18.09.78								
11. 9 Tine tillers	311	18.09.78								
12. 2 Furrow disc ploughs	36	18.09.78								
13. Offset disc harrows	161	18.09.78								
14. Trailers, 3½ T	11	18.09.78								
15. Components for 300 nos. trailers, 3½ T										
16. Scrub cutters	5	18.09.78								

Delay in shipment - Industrial dispute.

Shipped, documents handed over to Sathiyawadi Stores for clearance.

Ready for shipment.

Order will be ready for shipment in May '79.

Order will be ready for shipment in May '79.

Available for shipment on 31.05.79.

100 shipped on 11.01.79. Not cleared yet by local agents. Another 100 shipped on 16.03.79. Not arrived yet.

Cleared and being assembled by local agents - Tractor Corporation. 10 sent to Galnewa on 06.04.79.

80 at Galnewa

Not shipped yet.

Not shipped yet.

Shipped on 08.03.79.

Items of Equipment	Qty.	Bids opened (Date)	Orders placed (Date)	Shipped on (Date)	Arrived in harbour (Qty/Date)	Cleared from harbour (Qty/Date)	At local agents (Qty/Date)	Taken into inventory	Handed over to DM & E (Qty/Date)	Present location
d) <u>EQUIPMENT TO BE FURNISHED UNDER IDA/NETHERLANDS CREDIT</u>										
1. Motor cycles	112	11				CCA Panel has decided not to purchase.				
2. Knapsack sprayers	472					Order placed, but supplier increased the price subsequently. IDA approved price increase of 5%. Supplier not yet confirmed acceptance of this.				
3. Scooters	9	15.12.77				CCA Panel had decided not to purchase.				
4. Threshers						IDA did not approve purchase of offer selected by CCA Panel. IDA requested re-tendering after modifying the specification.				
5. Hauliers	25					Not shipped yet.				
6. Power Sprayers	3					Same remarks as Knapsack sprayers.				
7. Generating Sets 10 KVA	4	07.12.77	28.07.78			Not shipped yet.				
8. Generating Sets 35 KVA	8	07.12.77	30.08.78			Not shipped yet.				
9. Pumps 3"	6	07.12.77	01.11.78			Not shipped yet.				
10. Walkie-Talkies	24	07.12.77	30.05.78							
11. Two-wheel tractors	150	07.12.77	28.12.78			Cleared and being assembled by local agents.				
12. Radio transceivers	12	07.12.77	28.07.78			Not shipped yet.				
<u>UK Grant 2/1978</u>										
<u>Plant for Ulhitiya Reservoir</u>										
1. Motorised scrapers	5	22.02.79				Not shipped yet.				
2. Bulldozers	3	22.02.79				" "				
3. Motor graders 125h.p.	1	14.02.79				" "				
4. Fuel tanker	1	14.02.79				" "				
5. Wagon Drills	2	14.02.79				" "				

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Items of Equipment	Qty.	Bids opened (Date)	Orders placed (Date)	Shipped on (Date)	Arrived in harbour (Qty/Date)	Cleared from harbour (Qty/Date)	At local agents (Qty/Date)	Taken into inventory	Handed over to DM & E (Qty/Date)	Present location
6. Span bridges	14		22.03.79		Not shipped yet.					
7. Steel decks & towers	8		22.03.79		" "					
<u>IBRD LOAN</u>										
1. Drill rods	300	27.09.78			Shipped, not arrived yet.					
2. Concrete Poker Vibrators	50	27.09.78	23.07.79		Not shipped yet.					
3. Portable Air Compressors, 600 cfm.	2	27.09.78	22.01.79		" "					
4. Front end loaders	6	27.09.78	24.01.79		" "					
5. Portable Air Compressors, 210 cfm.	8		23.01.79		" "					
6. Vibratory rollers	10	27.09.78	27.02.79		" "					
7. Rock drills	20	27.09.78	07.02.79		" "					
8. Road rollers	10	27.09.78	24.01.79		" "					
9. 10 KVA Generating Sets	10	27.09.78	20.02.79		" "					
10. 25 KVA Generating Sets	10	27.09.78	21.02.79		" "					
11. Compressed Air Hand Grinders	10	27.09.78	20.12.79		" "					
12. Stone Crushers	15	27.09.78	06.03.79		" "					
13. Tipping Lorries	12	27.09.78	15.02.79							
14. Theodolites	7	27.09.78	19.03.79							

STATEMENT OF EXPENDITURE AS AT 31.03.1979. (Rs.M)

	Provision for 1979			Actual Expn. 1st Quarter 1979					Cumulative Expenditure as at 31.03.79.						
	Foreign	Local	Total	Foreign	Local			H1,2,7,9 & Kantalai	Foreign	Local			Est. Cost	Act. Cost	Est. Cost
					H4 & H5	Non-H5	Total			H4 & H5	Non-H5	Total			
Stages II & III	262.0	123.0	385.0	34.130	-	-	-	-	34.224	-	-	34.224			
Land & Land Rights					-	-	-	-	-	-	-	-			
Buildings					0.465	0.409	0.874	-	-	-	-	-			
Power Lines					-	-	-	-	-	7.431	2.249	9.680			
Main Canals					-	-	-	-	-	-	-	-			
Distributary Systems					0.187	-	0.187	-	-	9.637	-	9.637			
Roads					2.745	1.848	4.593	-	-	10.255	11.673	21.928			
Survey & Settlement					0.292	0.099	0.391	-	-	1.781	0.318	2.099			
Water Management					0.216	0.121	0.387	-	-	2.643	1.583	4.226			
Community Development					-	-	-	-	-	0.829	-	0.829			
Headworks Aug. Reservoir -					-	-	-	-	-	-	-	-			
Dardala Cya					-	-	-	-	-	-	-	-			
Land Development					-	-	-	-	-	-	-	-			
Improvements to Village Tanks					0.162	0.398	0.560	-	-	4.163	6.164	10.327			
Miscellaneous					-	-	-	-	-	1.566	-	1.566			
• Kantalai					1.429	2.230	3.659	-	-	1.429	2.230	3.659			
• Kalawewa								0.075					0.075		
• Madatugama								8.700					255.597	107.000	
• Huruluwewa								6.000					90.857	105.000	
								-					10.272		
	262.0	123.0	385.0	34.130	5.5	5.10	10.60	14.775	34.224	34.224	24.249	596.0	356.801		

*Cost analysis for these Project Areas not given.

Stages II & III Summary

	Rs. Million		
Act. Expenditure - 1st Quarter 1979	Local	25.375	
	Foreign	34.130	59.505
Cumulative Expenditure	Local	45.575	
	Foreign	34.224	79.800

BLOCK-WISE ANALYSIS OF CAPITAL EXPENDITURE

H4 & H5 AREAS - 1ST QUARTER, 1979.

	Land Deve- lopment	Main Canal	Distributary Systems	Buildings	Roads	Surveying & Levelling	Total
<u>H4 Area</u>							
Blocks 401	89,421.35	168,530.51	1,306,633.80	202,255.69		14,092.00	
402	16,883.31	18,480.00	358,316.40	124,635.23		21,927.50	
403	-		591,588.62	1,063.00		23,197.38	
404	81,888.72		492,703.15	14,100.77		4,346.25	
405	-		-	112,450.06		8,930.40	
406	-		-	-		88,789.75	
407	8,430.45		-	10,587.88		54,435.00	
408							
409							
410							
Total	162,365.40	187,010.51	2,749,241.90	465,092.63	292,978.15	215,718.28	4,072,406.70
<u>H5 Area</u>							
Blocks 411	-		-	-		11,298.00	
412	112,174.12		406,182.37			9,977.00	
413	-		190,846.93			-	
414	281,447.32		158,649.36			14,700.00	
415			249,584.55			27,516.65	
416			-				
417			174,390.11				
420			-				
421			214,953.23			17,244.40	
CR			222,557.74			39,724.00	
BC 8			226,316.29				
Misc. Exp.			4,188.15				
Total	393,621.44		1,847,668.30	409,000.00	99,503.48	120,460.05	2,870,253.70

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H4 & H5 AREAS

QUARTERLY FINANCIAL FORECAST - 1979

IRRIGATION & LAND DEVELOPMENT, BUILDINGS, ROADS & SETTLEMENT

Description					
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
1. <u>Irrigation & Land Development</u>					
(a) Land acquisition	-	11,700	-	-	11,700
(b) R.B. Main Canal	2,430	4,852	2,578	1,288	11,158
(c) Improvements to Village tanks	-	4,385	2,712	2,713	9,810
(d) Branch canals	5,396	5,397	0	407	12,143
(e) Distributary canals	18,324	9,152	4,129	-	31,615
(f) Drainage systems	300	310	-	2,303	2,913
(g) On-farm irrigation & drainage	9,406	18,812	5,251	15,694	49,143
(h) Land clearing	10,319	10,319	-	-	20,638
(i) Land preparation	-	2,900	1,450	1,450	5,800
Sub-total	46,175	63,847	17,043	23,855	154,920
2. O & M Buildings)					
3. Social infrastructure work) and buildings	17,220	3,609	24,650	12,325	62,804
4. Roads	7,500	7,500	10,000	5,000	30,000
5. Assistance to settlers	-	4,620	10,030	1,400	16,050
TOTAL (1 - 5)	70,895	89,576	61,723	42,580	263,774

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ANNEXES

QUALITY CONTROL UNIT

The Quality Control Unit started functioning from 1st February, 1979 under DGM (D). The Unit is headed by an Asst. General Manager (QC) assisted by a Chief Engineer and seven Work Supervisors.

During February, the two senior officers underwent a fundamental re-training course in the field and laboratory tests in soils and materials laboratory of the Irrigation Dept. A quality control unit was established in Area 'H' with selected staff.

Mr. Vas Gunawardena who was appointed Chief Engineer, Quality Control moved to area 'H' in March. An introductory seminar on quality control was held in Area 'H' for Engineers, TAA and WSS and handouts were distributed. These handouts explain the properties of concrete and soils and the various tests for determining the necessary qualities. The handouts were explained in detail and tests that are to be carried out were demonstrated.

The Chief Engineer is now training the staff and at the same time ~~carrying out the necessary tests in the field.~~ AGM (QC), Mr. Chandrawansa functions in head office and is responsible for testing of materials, laboratory tests and assisting the DGM (D) in quality control aspect of designs. The Chief Engineer (QC) is responsible for administration of staff in the field and all quality control in field. 7 Work Supervisors work under the CE (QC) carrying out field tests and supervising the works.

The following field tests are carried out in the field to ensure construction quality control:

- 1) Concrete -
 - (a) Gradation of fine and coarse aggregates to comply with specifications and mix adjustments wherever necessary.
 - (b) Slump tests for consistency.
 - (c) Tests for compressive strength - cubes or cylinders.
- 2) Earthwork -
 - (a) Visual methods for identification and classification of soils.
 - (b) Moisture content determination.
 - (c) Compaction test - Proctor needle.
 - (d) Field permeability tests.
 - (e) Inplace density - sand cone method.

Records of tests being carried out are being maintained by the CE (QC) in the field.

WATER MANAGEMENT & MONITORING PLANScheme of Water Distribution for '79 Yala Season and the Proposed Method of ImplementationExtent Cultivated

The extent that has to be taken up for cultivation is determined in Head Office, according to the availability of water for the entire season. Although the previous experience was that a duty of 10 ac.ft. per acre is required for cultivation in new areas, for the on-coming Yala season the extent was taken up on a duty of 7.5 ac.ft. per acre. H6 & H8 Areas - 4,000 acs., H7 - 3,500 acs., H9 - 2,800 acs., H1 - 4,000 acs., H2 - 9,000 acs., H3 - 12,000 acs. and H4 - 3,000 acs. giving a total of approximately 38,300 acs. have been taken up for cultivation in Yala season.

Calendar of Water Issues

Once the areas to be taken up for the cultivation have been decided, cultivation meetings are held in the respective areas. Generally a meeting is confined to an area of around 2,500 acs. All farmers attached to the particular area for which the cultivation meeting is held are expected to be present at the meeting. Depending on the collection of the previous harvest, the first date of water issue, the last date of land preparation and the last date of water issue is decided by the house.

In the new areas, a period of 45 days have been allowed for the land preparation. However, in order to have an effective control on water issues, this period needs to be reduced to the most three weeks. On the other hand, if the land preparation period is to be curtailed, the necessary tillage power should be available within the area. This aspect of resource requirement for the cultivation is looked into and from next season onwards it is expected to gradually reduce the land preparation period. The tillage power within the project area will be made available in the form of selling tractors which were obtained on a World Bank loan to the farmers of the area and establishing tractor pools so that those who are not interested in purchasing may hire out the tractor from those pools for their work.

Water Budget

The Water Budget is prepared prior to the commencement of season so as to have the envisaged control over the water issues. The Water Budget is to be in two forms, for the land preparation period and for normal cultivation period.

The field water requirement for land preparation is 5 inches initially and 2 inches thereafter, to be supplied within a period of 7 days. So as to meet this requirement, the field duty should be 1 cuses for 35 acres and the duty off tank should be 1 cusec for 28 acres, allowing 25% conveyance losses. As there is likely to be a stagger in land preparation, a detailed water budget cannot be prepared for the land preparation period. However, the water issues were based on the above figures.

A detailed water budget is prepared for the water issues during the normal cultivation period. This is based on the following:-

- 1) A field water requirement for the crop of 10 inches for a month.
- 2) The main canal to have a constant flow throughout the season.
- 3) Distributory channels to have a constant flow throughout the season.
- 4) The field canals to be operated on a rotation as determined in the Water Budget.

To meet the field water requirement of 10 inches, the flow in a field channel should be diverted to field for a duration of six hours or the flow in a field channel is to be diverted simultaneously to two fields for a duration of 12 hours.

The frequency of irrigation adopted is 7 days. Thus, there will be a specific day and specific time for diverting the field canal discharge to a particular field.

It is expected to base the Water Budget from next season on different field water requirements for areas designated for upland crops and paddy. Thereby it will be possible to use the available water more economically and make it available for the entire 'H' Area, without facing shortages.

Enforcement of Water Budget

Although the first date of water issue was decided at the cultivation meetings, no water will be released along the main canal and hence along distributary canal until the farmers are ready to commence the land preparation. The farmers need to inform the Field Officers (JPSS) when they are ready to do the land preparation. The EAA will be collecting the total area ready for the land preparation in their ranges and inform the I.E. regarding the same. The Irrigation Engineer will operate the main canal to cater the requirements of water for the lands which are ready to commence land preparation. Discharge along main canals will be gauged at each range boundary so that each range will be supplied with only the estimated quantity of water. The distribution of water within the range is purely the responsibility of the EA in charge of the range, and if there are any problems due to the shortage of water, he should inform IE and discuss about the extra requirements.

Once the land preparation is over, the detailed Water Budget prepared for main canal can be enforced. There, too, the discharge in main canal will be gauged at key control points, i.e. headworks and at each range boundary, so as to ensure that there is no excessive usage of water in the ranges at the top of the canal, thereby depriving water to the ranges lower down the canal.

Measurements

The measurements are being done at the following points:-

- 1) Flow to the main storage and night storage reservoirs.
- 2) Releases from headworks of storage reservoirs.
- 3) Flow in main canal at the range boundaries.
- 4) At the head of the distributary canals.
- 5) At the head of the field canals.

At present, measuring devices available are not perfect, but the method of taking measurements will be improved before the next season.

Stilling wells have been constructed at the control point suggested by the World Bank Representative, Mr. Smoot during his inspection in these areas. Installation of automatic gauge recorders will be made as soon as they are available.

Monitoring of Water Issues

The necessary forms for monitoring of water issues are made available to all IEE. The daily and weekly returns of the water issues and extent cultivated will be collected and processed at this office to follow up whether the water issues are within the allowable limits. The following charts will be available in the Regional Offices as well as in the Project Offices which will enable to show the deviation of water issues from the expected figures:-

- 1) Cumulative discharge vs duration
- 2) Extent cultivated vs duration
- 3) Water consumption vs duration.

Control during rainy weather

Only a few rain gauges are available in the Project Area. During the course of Yala season, it is expected to install a rain gauge for each range to record the average rainfall within the range area. These rain gauges will be installed before '79 Maha rains.

During rainy weather, EAA in charge of respective ranges should inform IE regarding the rainfall and the releases along main canal will be curtailed or stopped temporarily depending on the extent of rainfall. EAA too will take action to curtail the flow in channels in their respective areas accordingly.

Irrigation Difficulties

Certain irrigation difficulties were identified in the areas developed for cultivation as these defects have direct impact on water distribution. Action will be taken to get them rectified as early as possible. Once the defects in the

turnout areas are corrected, these will be handed over to the farmers through a representative elected in each turnout area for subsequent maintenance in all respects.

Conclusion

In order to achieve a strict control on water distribution within the project area, the participation of farmers in project activities is very essential. At present, Farmers' Organizations are being formed on turnout basis and a representative will be elected from each such organization so as to liaise with the field officers on distribution of water and maintenance of canal system.

Once these organizations become active, there will be a smoother operation in distribution of water and maintenance of canals within turnout areas, and help to provide irrigation facilities for the entire area more systematically.

COMMUNITY DEVELOPMENT

In order to have better community cohesiveness through a comprehensive programme of community development, a training programme was suggested by Mr. S.S. Khan, Consultant Development Planning, UNICEF, Colombo, after a critical analysis of the contemporary studies on H area.

The suggested training programmes are:-

- 1) Training schedules for project staff for period 1979-80.
 - (a) Training of CS Staff.
 - (b) Training of WM Staff.
 - (c) Training of Agric. Staff.

- 2) Farmer training -
 - (a) Group.
 - (b) Farmer leaders.
 - (c) Project committees.

The training schedule has been drawn up, specially for the existing staff in the project area. The experience gained would be utilised in drawing up a 12-week development course for the new recruits to be posted to other project areas of the Mahaweli Development.

Water Management Unit

The Water Management Staff will be trained on the importance of -

- (a) Distribution of water amongst the farmers beyond channel D. outlet, within the turnout areas, to prevent wastage and excessive use of water resulting in water not reaching all the farmers.
- (b) Maintenance of field drains and ditches inside the turnout areas.
- (c) Identification of local level problems and their solutions.

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Agriculture Extension

Educating farmers and their leaders in extension work such as preparation of land, sowing of crops (paddy and high-land crops) and its fertilizer requirement, timely irrigation of crops, weeding, use of pesticides and advantages of HYV, etc.

Community Development

- 1) Organization of viable community groups.
- 2) Fostering community leadership in each community group.
- 3) Fostering provision - mechanism for delivery of inputs such as seed, fertilizer, insecticides and agro-chemicals, loans and their recovery.
- 4) Fostering village programmes - religious and cultural, sports, youth and children, women, health, education, family planning, etc.

Training will commence in June for Agri. Officers, Agri. Instructors, Community Development Officers, Asst. Community Development, Development Assistants, Irrigation Engineers, Engineering Assistants.

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RECOMMENDATIONS OF JOINT REVIEW MISSION

Representatives of the World Bank and other donor agencies* involved in financing the work in Area H conducted a supervision review in April, 1979. The aid memoire prepared by the joint review mission made several recommendations for strengthening the programme. These recommendations have been re-arranged by subject matter and the actions that have been commenced related thereto, as of mid-May 1979, are briefly described below:

(a) Implementation Schedule

1. A Progress Control Schedule which gives the status of completion in each of the major items of work for the provision of irrigation infrastructure, social infrastructure through land acquisition, development and settlement up to water delivery was developed with the assistance of the Team Leader, Mr. Baker during the supervision review.

Fig. D7 in this report shows the work finished to the end of the quarter under review, and the scheduled dates for completion.

2. Targets for settlement in areas H4 & H5 have been revised on the basis of the balance works remaining as at the end of the first quarter of 1979 so as to enable better utilization of available resources by concentrating on the blocks targeted for Maha 79/80. The targets have been arrived at on a re-evaluation of the balance quantum of work in each block of the items which are considered as minimum requirements to be completed for commencement of settlement in these blocks.

The data used for this re-evaluation are given in the following tables:

- Table 1 - Status of completion of Irrigation Infrastructure - block-wise. (Page 26)
- Table 2 - As above - in detail. (Page 27)
- Table 3 - Settlement Statistics. (Page 28)
- Table 4 - Status of Ownership of Lands. (Page 29)

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The Targets

The targets for settlement arrived at on the above basis are as follows:

- i) For Maha 79/80
Blocks 401, 402, 403, 404, 407, 412, 413, 414, 415, 420 & 421.
- ii) For Yala 80
Blocks 405, 419, 408, 417, 418, 406 & 411.
- iii) For Maha 80/81
Blocks 409 & 410.

The balance work programmes for the blocks targeted for Maha 79/80 are annexed in pages D9 to D20.

(b) On-Farm Development

It has been agreed with the Supervision Mission that properly designed and directed on-farm development is a necessary pre-requisite for proper long-term water management.

In order to attain this objective whilst taking into account the factors of limited capacities of on-farm development equipment available as well as the danger of encroachment if settlement is delayed in these areas where irrigation infrastructure development is complete, the following strategies have been identified:

- 1) In blocks 401, 402, 403 and 407, the MDB with the advice and assistance of the On-Farm Development Advisor and the Agricultural Mechanization Advisor, will carry out land preparation by machine using the crawler tractors and the 60-70 h.p. David Brown agricultural tractors obtained under the credits. The maximum possible area in these blocks will be prepared using the above-stated machines. This work is under way at the present time. (mid May, 1979.)
- 2) In the balance areas, the minimum design and direction for on-farm development is considered to be the layout by the MDB of the soil conservation bunds and the on-farm ditches, as per the criteria

for these evolved by the On-Farm Development Steering Committee comprising the On-Farm Development Advisor, RPM, AGM (C), AGM (Settlement) and the Agricultural Engineer. On-farm development will be done manually by the farmers, for which they will be paid.

(c) Construction

1. The Construction Quality Control unit will be strengthened by increasing the number of work supervisors from 5 to 10. Depending on the necessity for effective quality control, this will be further expanded.

Arrangements are being made to air freight the necessary equipment for carrying out quality control tests.

The activities of the Q.C. Division will be reviewed at top management level on the basis of monthly activity reports and periodic reviews to assure continued effectiveness.

2. It was commented by the Supervision Mission that even in some of the canals where construction is substantially complete, a programme of construction 'clean-up' be undertaken prior to handing over the canal system for operation.

A check list has now been drawn up for the identification of the items of work in this clean-up operation such that it could also be used as a document for the transfer of the canal system from construction to operation status.

(d) Pilot Projects

The mission expressed much interest in the pilot schemes to be constructed in a 1,350 ac. block in Area H4 to serve as demonstration and research projects for use in the design of irrigation systems elsewhere in the Mahaweli basin.

The trial pipeline system suggested by the Water Management Specialist and the different irrigation systems suggested by the Huntings research team for block 404 are

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described in pages 50 & 51. The necessary changes to D2 channel and construction of measuring structures are being done for these trials.

(e) Equipment Management

The provisions of the contract with the Dept. of Machinery & Equipment (DME) for the operation, maintenance and repair of major items of plant and equipment obtained under the credits have been finalised.

The MDB has also taken action to recruit a Plant Manager for the purpose of better control and more effective use of the equipment. The terms of reference for requesting for an expatriate Equipment Stores Control Specialist has been drawn up on the basis of the agreement with the Review Mission for the provision of such assistance under the UK grant. The work on the Tambuttegama workshop construction is proceeding on schedule. The DME workshop at Anuradhapura will provide the facilities for first-line repairs until such time as the Tambuttegama workshop is constructed and staffed.

(f) Agriculture

Arrangements had been made to strengthen the agricultural extension staff. Page 47 gives the identified staff requirements which will be supplied by the Dept. of Agriculture for extension work. In addition, 18 Agricultural Officers are being recruited by the MDB for on-farm development activities.

The Mission was of the opinion that a well-planned marketing policy in the project area may be the key to encouraging the farmers to grow crops other than paddy. As an encouragement to the farmers to grow these crops, the MDB has removed the risk of possible loss to the farmer by guaranteeing a floor price for such crops in Yala '79. The details of this scheme are given in page 41.

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(g) Public Relations with Farmers

In order to get farmer participation in distribution of water, maintenance of canals and roads, farmer organizations are being formed initially on a turnout basis. Handouts were issued to farmers on the importance of the conservation of water and canal and road maintenance. Separate leaflets will be issued to each block introducing the farmers to the area giving the details and locations of schools, dispensaries, etc. and also giving the names and addresses of the various officers to be contacted for further information.

Annex C gives the details of the proposed programme for associating farmers in the area on project operation.

Financial Management and Staff Requirements

1. Action has been taken since the visit of the Review Team from World Bank in August last year, to recruit Accountants for the Projects to improve accounting ~~the~~ the lines recommended by the Team.

The situation now has improved considerably with the posting of Accountants as follows:

(a) Head Quarters

- i) Deputy Chief Accountant in the Head Quarters to support the Chief Accountant.
- ii) Grade II Budget Accountant.

(b) Field

- i) Accountants in all Project Offices.
- ii) Senior Accountants will be appointed from May '79 as Area Accountants in the RPM's and AGM (C)'s Divisions to exert better supervision and control in the field.

2. In spite of various constraints in the field, our accounting in the field offices has been finalised up to December, 1978.

3. Detailed accounting is being made, thus identifying the costs of different types of works in the Project areas.

4. Internal controls are being effected in regard to payments made, especially contract payments.

5. Budget and quarterly financial forecast for 1979 was prepared on a realistic basis incorporating the details cost estimate in the field and programme of work for 1979.

Action is being taken to appoint a private Auditor as required by the World Bank to audit accounts in H4 & H5 areas.

* Participants in Joint Review Mission

1. Mr. S.J. Baker, IDA Mission Leader.
2. Mr. H. Saaltink, Canadian Advisor for Mahaweli Development, Colombo.
3. Mr. R. Baird, CIDA, Ottawa.
4. Mr. J. Evans, Chief, Mahaweli Development Division, USAID, Colombo.
5. Dr. G. Corey, Water Management Specialist, USAID, Washington.
6. Mr. H. Hebblethwaite, Natural Resources Economics & Management Advisor, ODM, London.
7. Mr. S.C. Vander ~~...~~, Netherlands Technical Assistance, Netherlands.
8. Mr. D.M.I. Thomas, World Bank Resident Representative.

Block No.	No. of farms	Irrigation		Infra. structure			Land	
		Clearing (Ha.)	Main Canal (km.)	Branch Channels (km.)	Dist. Channels (km.)	Field Canals (km.)	Preparation of advance tracings (No. of tracings)	
401	1225	1225 100%	22 98%	2 100%	3 -	8 83%	25 19	
		Complete	Complete	Complete	Complete	May '79	1.6.79	
402	900	1280 100%	25 98%	4 100%	2 -	5 62%	18 09	
		Complete	Complete	Complete	Complete	June '79	1.6.79	
403	1050	1170 97%	30 90%	3 98%	2 83%	6 80%	13 09	
		April	Sept.	May	April	July '79	1.6.79	
404	550	655	30 90%	4 98%	2 81%	3 Nil	8 5	
		Complete	Sept.	May	April '79	Oct. '79	1.5.79	
405	1350	1735	30 90%	7 98%	2 52%	8 Nil	27 13	
		Complete	Sept.	May	Aug. '79	Apr. '80	1.7.79	
406	550	690 80%	30 90%	4 98%	1 28%	3 Nil	11 6	
		July	Sept.	May	Oct. '79	Feb. '80	1.7.79	
407	600	750	30 90%	3 98%	1 72%	4 Nil	13 8	
		July	Sept.	May	Aug. '79	Nov. '79	1.6.79	
408	450	610 74%	37 85%	Nil Nil	1.5 22%	3 Nil	13 5	
		Aug.	Sept.	May	Feb. '80	Apr. '80	1.6.79	
409	925	1140	40 85%	6 50%	2 Nil	6 Nil	20 6	
		July	Sept.	Aug.	May '80	Oct. '80	1.8.79	
410	475	590 53%	40 85%	6 50%	Nil	3 Nil	9 2	
		Oct.	Sept.	Aug.	May '80	Oct. '80	1.8.79	

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Land Preparation of advance facilities (No. of villages)	Acquisition		Taking over of possession No. of Villages	Field layout of farm bunds (Ha.)	Hamlets			Social		
	Publishing Sect. 38 (a) (No. of villages)	-			-	Layout (nos.)	Lots assigned (nos.)	Hamlet roads construc- ted (km.)	Schools (New) (nos.)	Health Cent (Imp. men: (no.)
19 .6.79	2 1.7.79	07 31.7.79	25 06 31.7.79	1225 Nil Oct. '79	11 08 June '79	1225 Nil	20 Nil June '79	Nil Nil Dec. '80	Nil Nil	
09 .6.79	18 1.7.79	04 31.7.79	18 02 31.7.79	1280 Nil Oct. '79	8 4 June '79	900 Nil	15 Nil June '79	Nil Nil Oct. '80	01 Nil	
09 .6.79	13 1.7.79	2 31.7.79	- 31.7.79	1170 Nil Oct. '79	10 10 June '79	1050 Nil	20 Nil June '79	01 Nil Oct. '80	Nil Nil	
5 .5.79	- 1.6.79	- 30.6.79	- 30.6.79	655 Nil Oct. '79	5 1 Aug. '79	550 Nil	10 Nil Aug. '79	01 Nil Oct. '80	Nil Nil	
13 .7.79	27 1.8.79	4 31.8.79	27 2 31.8.79	1735 Nil Mar. '80	14 8 Feb. '80	1350 Nil	25 Nil Feb. '80	02 Nil Oct. '80	01 Nil	
6 .7.79	11 1.8.79	1 31.8.79	11 2 31.8.79	690 Nil Mar. '80	6 1 Feb. '80	550 Nil	10 Nil Feb. '80	Nil Nil Oct. '80	Nil Nil	
8 .6.79	13 1.7.79	1 31.7.79	- 31.7.79	750 Nil Oct. '79	7 3 Aug. '79	600 Nil	15 Nil Aug. '79	Nil Nil Oct. '80	Nil Nil	
5 .6.79	13 1.7.79	1 31.7.79	- 31.7.79	610 Nil Mar. '80	5 Nil Feb. '80	450 Nil	10 Nil Feb. '80	Nil Nil Oct. '80	Nil Nil	
6 8.79	- 1.9.79	- 30.9.79	- 30.9.79	1140 Nil Mar. '80	9 Nil July '80	925 Nil	15 Nil July '80	03 Nil Dec. '80	Nil Nil	
2 8.79	9 1.9.79	1 30.9.79	- 30.9.79	590 Nil Mar. '80	7 Nil July '80	475 Nil	15 Nil July '80	01 Nil Dec. '80	Nil Nil	

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Schools (New)	Social				Infrastructure				Sel.
	Health Centres (Improvements) (nos.)	O & M (nos.)	Postal (nos.)	Village wells (nos.)	Co-ops. (nos.)	Agric. buildings (nos.)	Police (nos.)	(nos.)	
N11	Nil	52 37/15	2 -/1	62 Nil	2 -/2	9 -/7	1 -/1	122	
'80		June '79	June '80	July '79	June '79	March '80	Dec. '79	Jun	
V11	01 Nil	Nil	Nil	45 Nil	Nil	9 Nil		900	
'80	Oct. '80	June '79		July '79		March '80		Jun	
N11	Nil	4 Nil	Nil	53 Nil	1 -/1	17 Nil		105	
		June '79		July '79	June '79	March '80		Jun	
N11	Nil	13 -/13	1 -/1	27 Nil	1 -/1	9 -/8		550	
		Aug. '79	June '79	July '79	June '79	March '80		Jun	
N11	01 Nil	67 15/48	2 -/1	67 Nil	4 -/3	26 -/10	1 -/1	350	
	Oct. '80	Oct. '79	Oct. '79	Feb. '80	June '79	Sept. '80	Oct. '80	Jul	
1	Nil	4 Nil		28 Nil	1 Nil	8 Nil		550	
		Feb. '80		Feb. '80	June '79	Sept. '80		Jul	
1	Nil	13 3/10		30 Nil	1 -/1	9 7/2		60	
		Oct. '79		Aug. '79	June '79	March '80		Jun	
1	Nil	4 Nil	1 Nil	22 Nil	1 Nil	8 Nil		450	
		Feb. '80	Feb. '80	Feb. '80	Sept. '79	Sept. '80		C	
N11	0	Nil	Nil	46 Nil	2 Nil	16 Nil		9	
		July '80		July '80	Sept. '79	Sept. '80		Se	
N11	12 Nil	1 Nil	1	23 Nil	1 Nil	9 Nil		4	
		July '80	Apr. '80	July '80	Sept. '79	Sept. '80		Se	

Police (nos.)	Settlement		Water delivery (date)
	Selection (nos.)	Settle- ment (nos.)	
1 -/1 Dec.'79	1225 1200 June '79	1225 Nil July '79	Oct.'79
	900 685 June '79	900 Nil July '79	Oct. '79
	1050 375 June '79	1050 Nil July '79	Oct.'79
	550 in pro- gress June '79	550 Nil Sept.'79	Experi- mental block
1 -/1 Oct.'80	350 in pro- gress July, '79	1350 Nil Mar. '80	March'80
	550 in pro- gress July '79	550 Nil March '80	March '80
	600 in pro- gress July '79	600 Nil Sept.'79	Oct.'79
	450 in pro- gress Oct. '79	450 Nil March '80	March '80
	925 in pro- gress Sept.'79	925 Nil March '80	Oct.'80
	475 Sept.'79	475 Nil March '80	Oct.'80

KEY

1) Irrigation Infrastructure

Total Quantity	% completed
Scheduled date of completion	

2) Land Acquisition

Total no. of villages	No. of villages completed
Scheduled date of completion	

3) Bund layout

Total Quantity	% completed
Scheduled date of completion	

4) Social Infrastructure

Total no.	No. complete/ No. in progress
Scheduled date of completion of new or improved facilities	

5) Settlement

i) Selection

Total no. to be se- lected	No. selected/ in progress
Date of comple- tion of selection	

ii) Settlement

Total no. of settlers	No. settled
Date of commence- ment of settlement	

D-7

84

Block No.	No. of farms	Irrigation		Infrastructure				Land Acquisi	
		Clearing (Ha.)	Main Canal (km.)	Branch Channels (km.)	Dist. Channels (km.)	Field Canals (km.)	Preparation of advance tracings (No. of villages)	Public Sect. 38 (a) (No. of village)	
411	650	970 12%	43 80%	Nil Nil	2 34%	4 Nil	9 3	-	
		July	Sept.	Nil	Oct.	Apr. '80	1.8.79	1.9.79	
412	750	1070 92%	45 80%	5 80%	2 Nil	5 Nil	12 4	12 1	
		July	Sept.	July '79	June '79	Aug. '79	1.6.79	1.7.79	
413	625	1040 85%	45 80%	7 80%	2 86%	4 Nil	12 7	-	
		July	Sept.	July '79	June '79	Oct. '79	1.6.79	1.7.79	
414	625	880 82%	45 80%	7 80%	2 90%	3 20%	8 2	-	
		July	Sept.	July '79	June '79	Aug. '79	1.6.79	1.7.79	
415	450	630	45 80%	5 80%	1 90%	4 Nil	11 2	-	
		Complete	Sept.	July '79	June '79	Aug. '79	1.6.79	1.7.79	
417	700	1030 45%	43 80%	5 70%	2 68%	3 Nil	15 7	15 2	
		Oct.	Sept.	July '79	July '79	Apr. '80	1.6.79	1.7.79	
418	525	730	43 80%	5 70%	1 28%	3 Nil	10 4	10 2	
		Complete	Sept.	July '79	Oct. '79	Apr. '80	1.7.79	1.8.79	
419	550	1020	43 85%	Nil Nil	1.5 36%	3 Nil	6 2	-	
		Complete	Sept.	Nil	Oct. '79	Apr. '80	1.8.79	1.9.79	
420	380	560 86%	40 85%	Nil Nil	1 -	2.5 Nil	9 5	9 3	
		July	Sept.	Nil	May '79	Oct. '79	1.8.79	1.9.79	
421	360	530	37 85%	Nil Nil	1 96%	2 Nil	11 3	11 3	
		Complete	Sept...	Nil	May '79	July '79	1.6.79	1.7.79	

85

Acquisition		Field layout of farm bands (Ha.)	Hamlets			Social			
Publishing Sect. 8 (a) o. of villages	Taking over of possession (No. of Villages)		Layout (nos.)	Lots assigned (nos.)	Hamlet roads constructed (km.)	Schools (New) (nos.)	Health Centres (Improvements) (nos.)	O & M (nos.)	Pos (nos.)
-	-	970 Nil	7 Nil	650 Nil	14 Nil	01 Nil	Nil	13 -/6	Nil
1.9.79	30.9.79	Mar. '80	Feb. '80		Feb. '80	Nov. '80		Feb. '80	
1	12 1	1070 Nil	8 4	750 Nil	15 Nil	01 Nil	Nil	16 -/11	1 Nil
1.7.79	31.7.79	Oct. '79	July '79		July '79	Dec. '80		July '79	June '79
-	-	1040 Nil	6 Nil	625 Nil	10 Nil	01 Nil	Nil	12 -/8	1 Nil
.7.79	31.7.79	Oct. '79	July '79		July '79	Dec. '80		July '79	July '79
-	-	880 Nil	5 Nil	625 Nil	10 Nil	01 Nil	Nil	4 -/1	
.7.79	31.7.79	Oct. '79	July '79		July '79	Dec. '80		July '79	
-	-	630 Nil	5 Nil	450 Nil	8 Nil	Nil Nil	Nil	12 -/7	
.7.79	31.7.79	Oct. '79	July '79		July '79	Dec. '80		July '79	
2	-	1030 Nil	5 Nil	700 Nil	10 Nil	04 Nil	01 Nil	30 -/22	1 Nil
.7.79	31.7.79	Mar. '80	Feb. '80		Feb. '80	Dec. '80	Dec. '80	Feb. '80	July '79
2	-	730 Nil	5 Nil	525 Nil	9 Nil	Nil Nil	Nil	4 -/1	Nil
.8.79	30.9.79	Mar. '80	Feb. '80		Feb. '80	Dec. '80		Feb. '80	
-	-	1020 Nil	7 3	550 Nil	14 Nil	01 Nil	Nil	4 Nil	1 Nil
.9.79	30.9.79	Oct. '79	Oct. '79		Oct. '79	Dec. '80		Oct. '79	Oct. '79
3	-	560 Nil	5 Nil	580 Nil	9 Nil	Nil Nil	Nil	14 -/13	1 Nil
.9.79	30.9.79	Oct. '79	Aug. '79		Aug. '79	Dec. '80		Aug. '79	Aug. '79
3	-	530 Nil	4 Nil	360 Nil	7 Nil	Nil Nil	01 Nil	26 -/2	1 Nil
.7.79	31.7.79	Oct. '79	Mar. '79		Mar. '79	Dec. '80	Dec. '80	Aug. '79	Aug. '79

86

Infrastructure					Settlement		
Total	Village wells	Co-ops.	Agric. buildings	Police	Selection	Settlement	Water delivery
(nos.)	(nos.)	(nos.)	(nos.)	(nos.)	(nos.)	(nos.)	(date)
	32 Nil	1 Nil	9 -/1		650 progress	650 Nil	March'80
	July '80	Aug. '79	Sept.'80		in progress	March'80	
Nil	37 Nil	2 -/1	17 1/16		750 progress	750 Nil	Oct.'79
July'79	July'79	Sept.'79	March'80		June'79	Aug.'79	
Nil	31 Nil	1 Nil	9 -/8		625 in progress	625 Nil	Oct.'79
July'79	July'79	Sept.'79	March'80		June'79	Aug.'79	
	31 Nil	1 Nil	8 -/8		625 in progress	625 Nil	Oct.'79
	July'79	Oct.'79	March'80		June'79	Aug.'79	
	23 Nil	1 Nil	9 -/7		450 in progress	450 Nil	Oct.'79
	July'79	Sept.'79	March'80		Aug.'79	Aug.'79	
Nil	35 Nil	3 -/1	17 -/13	1 -	700 in progress	700 Nil	March'80
July'79	Feb.'80	Oct.'79	Sept.'80	Dec.'79	Aug.'79	March'80	
Nil	36 Nil	1 -/1	8 0/3		525 in progress	525 Nil	March'80
	Feb.'80	Oct.'79	Sept.'80		Aug.'79	March'80	
Nil	27 Nil	1 -/1	8 -/8		550 in progress	550 Nil	March'80
July'79	Feb.'80	Sept.'79	Sept.'80		Aug.'79	Mar.'80	
Nil	19 Nil	1 Nil	9 Nil		380 in progress	380 Nil	Oct.'79
Aug.'79	Aug.'79	Sept.'79	March'80		July'79	Sept.'79	
Nil	18 Nil	2 Nil	9 Nil		360 in progress	360 Nil	Oct.'79
Aug.'79	Aug.'79	Aug.'79	March'80		July'79	Sept.'79	

KEY

1) Irrigation Infrastructure

Total Quantity	% completed
Scheduled date of completion	

2) Land Acquisition

Total no. of villages	No. of villages completed
Scheduled date of completion	

3) Bund layout

Total Quantity	% completed
Scheduled date of completion	

4) Social Infrastructure

Total no.	No. complete/No. in progress
Scheduled date of completion of new or improved facilities	

5) Settlement

i) Selection

Total no. to be selected	No. selected/ in progress
Date of completion of selection	

ii) Settlement

Total no. of settlements	No. settled
Date of commencement of settlement	

H4 & H5 Areas DATE OF COMPLETION OF LOCAL SETTLEMENT.

Block No. 401

Strategy for Settlement - Maha '79

Item.	MINIMUM, OUT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	..NIL.. mls.							
• Branch Canals	..NIL.. chs.							
• Block work	..05.. acs%							
2) Blocking out of farmland	..... acs.							
• Perimeter Surveys	NIL							
• Preparation of layout plans	400 Acs							
• Land Marking	200 Acs							
3) Blocking out of homesteads	NO. of Hamlets acs.†							
• Perimeter Surveys & Tenure	NIL							
• Preparation of layout plans	NIL							
• Land Marking	NIL							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	..13.. nos.		3		10		13	
• Agric. Stores	..04.. nos.		2				4	
• Co-operative Stores	..NIL.. nos.							
• Post Offices	..NIL.. nos.							
• Regional Offices	..01.. nos.							
5) Minimum Roads	..NIL.. mls.							
6) Land Acquisition	25 NO. OF VILLAGES acs.							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

[10,000 CUBES OF HARD ROCK & 200 CUBES OF SOFT ROCK]

(NOT * MINIMUM REQUIREMENT AS NO OUTSIDERS ARE TO BE SETTLED IN THIS BLOCK)

[MEDAGAMA VILLAGE CENTRE
EPPAWALA TOWN CENTRE.]

† for outside settlers only

* TEMPORARILY REQUIRED AS THE OFFICE CONSTRUCTED IS PRESENTLY OCCUPIED BY CONSTRUCTION STAFF

D9

H4 & H5 Areas

Block No. 402

Strategy for Settlement - Maha '79 DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, BUT C BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	..NIL... mls.		[10000 CUBES OF HARD ROCK & 200 CUBES OF SOFT ROCK]					
• Branch Canals	..NIL... chs.							
• Block work	..10... acs. %							
2) Blocking out of farmland	..... acs.							
• Perimeter Surveys	100 acs							
• Preparation of layout plans	100 acs							
• Land Marking	300 acs							
3) Blocking out of homesteads	No. of HAMLETS acs. †							
• Perimeter Surveys & Tenure	04							
• Preparation of layout plans	04							
• Land Marking	08							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	..NIL... nos.							
• Agric. Stores	..02... nos.		2					
• Co-operative Stores	..NIL... nos.							
• Post Offices	..NIL... nos.							
• Regional Offices	..01... nos. *							
5) Minimum Roads	..NIL... mls.							
6) Land Acquisition	18 NO. OF VILLAGES nos.							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

[EPPAWALA
TOWN CENTRE]

D/10

† for outside settlers only

* TEMPORARILY REQUIRED AS THE OFFICE CONSTRUCTED IS PRESENTLY OCCUPIED BY CONSTRUCTION STAFF

Block No. A03

Strategy for Settlement - Maha '79

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, DOT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	..NIL.. mls.			[4,000 CUBES OF HARD ROCK & 5,000 CUBES OF SOFT ROCK]				
• Branch Canals	..NIL.. chs.			[A FEW STRUCTURES IN BR. KH. NO 4]				
• Block work	..15.. acs. ^{9/10}							
2) Blocking out of farmland	..... acs.							
• Perimeter Surveys	NIL							
• Preparation of layout plans	NIL							
• Land Marking	1650 acs.							
3) Blocking out of homesteads	NR. OF HAMLETS acs. †							
• Perimeter Surveys & Tenure	NIL							
• Preparation of layout plans	NIL							
• Land Marking	10.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	..10.. nos.		10					
• Agric. Stores	..02.. nos.		2					
• Co-operative Stores	..NIL.. nos.							
• Post Offices	..NIL.. nos.							
• Regional Offices	..01.. nos. *							
5) Minimum Roads	..NIL.. mls.							
6) Land Acquisition	13 NO OF VILLAGES acs.							
• Preparation of advance tracings								
• Publishing of Sent. 38 (a)								
• Taking over of possession								

[EPPAWALA TOWN CENTRE
KIRALOGAMA VILLAGE CENTRE]

† For outside settlers only

* TEMPORARILY REQUIRED A.S THE OFFICE CONSTRUCTED IS PRESENTLY OCCUPIED BY CONSTRUCTION STAFF

8

Block No. 404

Strategy for Settlement - Maha 179

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, DOT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	NIL mls.		10000 CUBES OF HARD ROCK & 5000 CUBES OF SOFT ROCK					
• Branch Canals	NIL chs.		[A FEW STRUCTURES IN BR CH 4]					
• Block work	30 acs. 0/0							
2) Blocking out of farmland	acs.							
• Perimeter Surveys	1950 ACS							
• Preparation of layout plans	1950 ACS							
• Land Marking	1550 ACS							
3) Blocking out of homesteads	NO. OF HAMLETS ACS. †							
• Perimeter Surveys & Tenure	NIL.							
• Preparation of layout plans	04.							
• Land Marking	05.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	13 nos.		10			13		
• Agric. Stores	04 nos.		2					
• Co-operative Stores	01 nos.				1			
• Post Offices	NIL nos.							
• Regional Offices	01 nos. *							
5) Minimum Roads	NIL mls.							
6) Land Acquisition	08 NO OF VILLAGES ACS.							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

TELHIRIYAWA VILLAGE CENTRE
EPPAWALA TOWN CENTRE.

D 12

† For outside settlers only

* TEMPORARILY REQUIRED AS THE OFFICE CONSTRUCTED IS PRESENTLY OCCUPIED BY CONSTRUCTION STAFF

01

H4 & H5 Areas

Block No. 405.....

Strategy for Settlement - Maha '79

[DATE OF COMPLETION OF LOCAL SETTLEMENT BY MARCH '80]

Item	MINIMUM, DAT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	NIL mls.							
• Branch Canals	NIL chs.							
• Block work	4.0 aas/%							
2) Blocking out of farmland	acs.							
• Perimeter Surveys	1150 acs.							
• Preparation of layout plans	4800 acs.							
• Land Marking	3800 acs.							
3) Blocking out of homesteads	NO. OF HAMLETS acs.							
• Perimeter Surveys & Tenure	02.							
• Preparation of layout plans	06.							
• Land Marking	14.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	45 nos.				25			
• Agric. Stores	04 nos.				2			
• Co-operative Stores	NIL nos.							
• Post Offices	NIL nos.							
• Regional Offices	01 nos.				1			
5) Minimum Roads	NIL mls.							
6) Land Acquisition	27 NO. OF VILLAGES acs.							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

[10000 CUBES OF HARD ROCK & 5000 CUBES OF SOFT ROCK]
[A FEW STRUCTURES IN BR. CH 4 & SLICES OF NALLACHCHIYA TANK]

L/B

→ DEC.

→ DEC

TAMBUITEGAMA TOWN CENTRE
KALUNDEGAMA VILLAGE CENTRE

D 13 45

† for outside settlers only

90

H4 & H5 Areas

Block No. 407

Strategy for Settlement - Maha '79

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, DOT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	...NIL... mls.			(10,000 CUBES OF HARDROCK &		5000 CUBES OF SOFT		(ROCK)
• Branch Canals	...NIL... chs.			[A FEW STRUCTURES IN BR CH &		FIXING OF REGULATOR GATES]		
• Block work	...35... acs. %			[39 CH BAL. 32 STR. BAL]				
2) Blocking out of farmland	..... acs.			[D-CHS BY MID JULY; F'CH		54 T/O]		
• Perimeter Surveys	NIL							
• Preparation of layout plans	NIL							
• Land Marking	1800 acs							
3) Blocking out of homesteads	NO. OF HAMLETS acs. †							
• Perimeter Surveys & Tenure	NIL							
• Preparation of layout plans	07.							
• Land Marking	07.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	...10... nos.		10					
• Agric. Stores	...02... nos.		2					
• Co-operative Stores	...NIL... nos.							
• Post Offices	...NIL... nos.							
• Regional Offices	...01... nos. *							
5) Minimum Roads	...NIL... mls.							
6) Land Acquisition	13 NO. OF VILLAGES nos.							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

[KIRALOGAMA VILLAGE CENTRE]
[EPPAWALA TOWN CENTRE]

† For outside settlers only

* TEMPORARILY REQUIRED AS THE ALREADY CONSIDERED OFFICE IS OCCUPIED

H4 & H5 Areas

Block No. 412

Strategy for Settlement - Maha '79

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, NET OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	22-28 mls.					(+ ROCK EXCAVATION AS PER BLOCKS 401-404)		
• Branch Canals	50 chs.					(+ 16 STRUCTURES & 600 CUBIC ROCK IN BR CHLS)		
• Block work	30 acs%							
2) Blocking out of farmland	800 acs							
• Perimeter Surveys	800 acs							
• Preparation of layout plans	800 acs							
• Land Marking	1850 acs							
3) Blocking out of homesteads	NO. OF HAMLETS							
• Perimeter Surveys & Tenure	04.							
• Preparation of layout plans	04.							
• Land Marking	08.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	42 nos.		4		4	17	24	DEC →
• Agric. Stores	04 nos.		2		4			
• Co-operative Stores	NIL nos.							
• Post Offices	NIL nos.							
• Regional Offices	01 nos.							
5) Minimum Roads	06 mls.						1	
							6	[NOT YET COMMENCED]
6) Land Acquisition	12 NO. OF VILLAGES							
• Preparation of balance tracings	..... acs.							
• Publishing of Sect. 38 (a)								
• Taking over of possession								

D15

† for outside settlers only
* PAHALA HALMILLEWA - GALEWEWA.
* OTAPPUWA - ANDARAWENA.

H4 & H5 Areas

Block No. 413

Strategy for Settlement - in 179

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, OUT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	22 - 28 mls.							
• Branch Canals	50 chs.							
• Block work	35 acs. %							
2) Blocking out of farmland	acs.							
• Perimeter Surveys	650 ACS							
• Preparation of layout plans	2150 ACS							
• Land Marking	1700 ACS							
3) Blocking out of homesteads	NO OF HAMLETS							
• Perimeter Surveys & Tenure	NIL.							
• Preparation of layout plans	06.							
• Land Marking	06.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	42 nos.		6		19			
• Agric. Stores	04 nos.		1		4			
• Co-operative Stores	NIL nos.							
• Post Offices	NIL nos.							
• Regional Offices	01 nos.							
5) Minimum Roads	5 1/2 mls.						5 1/2	
6) Land Acquisition	12 NO OF VILLAGES							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

(+ ROCK EXCAVATION AS PER BLOCKS 401-404)
(+ 16 STRUCTURES & 600 CUBES OF ROCK IN BR. CHL 8)

[NOCHCHIYAGAMA TOWN CENTRE]
[PALOGAMA VILLAGE CENTRE]

5 1/2 [NOT YET COMMENCED]

DEC →

D/16

† for outside settleve only
* OTTAPPUWA TO PAHALA HALMILLEWA

H4 & H5 Areas

Block No. 414.....

Strategy for Settlement - Maha '79

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, DOT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	22 - 28 mls.							
• Branch Canals	50 chs.							
• Block work	3.5 acs. %							
2) Blocking out of farmland	acs.							
• Perimeter Surveys	100 ACS							
• Preparation of layout plans	1650 ACS							
• Land Marking	1850 ACS							
3) Blocking out of homesteads	NO. OF HAMLETS							
• Perimeter Surveys & Tenure	05.							
• Preparation of layout plans	05.							
• Land Marking	05.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	42 nos.		6		19			
• Agric. Stores	04 nos.		1					
• Co-operative Stores	NIL nos.				4			
• Post Offices	NIL nos.							
• Regional Offices	01 nos.							
5) Minimum Roads	05½ * mls.						1	
6) Land Acquisition	08 NO. OF VILLAGES acs.						5½	
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

(+ ROCK EXCAVATION AS PER BLOCKS 401 - 404)
(+ 16 STRUCTURES & 600 CUBES ROCK IN BRCH. B)

[NOCHCHIYAGAMA TOWN CENTRE
IPALOGAMA VILLAGE CENTRE]

DEC →

17
42

9/6

For outside settlecs only
* OTAPPUWA - PAHALA HALMILLEWA

Block No. 415

Strategy for Settlement aha '79

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM, DAT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	..... mls.		(+ ROCK EXCAVATION AS PER BLOCKS 401 - 404)					
• Branch Canals	..50... chs.		(+ 16 STRUCTURES & 600 CUBES OF ROCK IN BR.CH 8)					
• Block work	..25... acs. %							
2) Blocking out of farmland	..... acs.							
• Perimeter Surveys	NIL							
• Preparation of layout plans	NIL							
• Land Marking	600 Acs							
3) Blocking out of homesteads	NO. OF HAMLETS. †							
• Perimeter Surveys & Tenure	05.							
• Preparation of layout plans	05.							
• Land Marking	05.							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	..42... nos.		4		16			DEC
• Agric. Stores	..04... nos.				4			
• Co-operative Stores	NIL							
• Post Offices	NIL							
• Regional Offices	..01... nos.							
5) Minimum Roads	..03* mls.							
6) Land Acquisition	NO. OF VILLAGES. acs.							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

D 18

PALUGAMA VILLAGE CENTRE
NOCHCHIYAGAMA VILLAGE CENTRE

† for outside settlers only

* NOCHCHIYAGAMA - GALEWEWA (ONE MILE OUT OF TOTAL OF 4 MILES, IS COMPLETE.)

H4 & H5 Areas

Block No. 420

Strategy for Settlement - Maha '79 DATE OF COMPLETION OF LOCAL SETTLEMENT

Item.	MINIMUM, OUT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	22-28 mls.		(+ ROCK EXCAVATION AS PER BLOCKS 401-40)					
• Branch Canals	NIL chs.							
• Block work	3.5 acs/%							NOV →
2) Blocking out of farmland	acs.							
• Perimeter Surveys	900 ACS							
• Preparation of layout plans	1400 ACS							
• Land Marking	1200 ACS							
3) Blocking out of homesteads	NO. OF HAMLETS							
• Perimeter Surveys & Tenure	01							
• Preparation of layout plans	05							
• Land Marking	05							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	40 nos.		5		12		20	DEC →
• Agric. Stores	02 nos.		2					
• Co-operative Stores	NIL nos.							
• Post Offices	NIL nos.							
• Regional Offices	01 nos.							
5) Minimum Roads	01* mls.							(NOT YET COMMENCED)
6) Land Acquisition	09 NO. OF VILLAGES							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

TALAWA TOWN CENTRE
RATMA SAHAWEWA VILLAGE CENTRE

D10
40

† For outside settlers only
* PAHALA TALAWA - RATMALGAHAWEWA RD.

H4 & H5 Areas

Block No. 421

Strategy for Settlement - Maha '79

DATE OF COMPLETION OF LOCAL SETTLEMENT

Item	MINIMUM OUT OF BALANCE WORK TO BE COMPLETED FOR SETTLEMENT	Apr.	May	June	July	Aug.	Sept.	Oct.
1) Construction								
• Main Canal	22 - 28 mls.		(+ ROCK EXCAVATION AS PER BLOCKS 401-404)					
• Branch Canals	NIL chg.							
• Block work	20 acs/%							
2) Blocking out of farmland	acs.							
• Perimeter Surveys	NIL							
• Preparation of layout plans	750 Acs							
• Land Marking	650 Acs							
3) Blocking out of homesteads	NIL acs.							
• Perimeter Surveys & Tenure	NIL	(NOT A MINIMUM REQUIREMENT AS NO OUTSIDERS ARE TO BE SETTLED IN THIS BLOCK.)						
• Preparation of layout plans	NIL							
• Land Marking	NIL							
4) Minimum O & M and Infrastructure bldgs.								
• O & M Quarters	27 nos.						20	DEC
• Agric. Stores	NIL nos.							
• Co-operative Stores	NIL nos.							
• Post Offices	NIL nos.							
• Regional Offices	01 nos.							
5) Minimum Roads	NIL mls.							
6) Land Acquisition	NIL NO. OF VILLAGES							
• Preparation of advance tracings								
• Publishing of Sect. 38 (a)								
• Taking over of possession								

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(TALAWA TOWN CENTRE)

† For outside settlers only

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