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Note

Since original document prepared in English and translated to Sinhala/Tamil, in any discrepancy in words, English version shall be considered as correct.

குறிப்பு

மூல ஆவணம் ஆங்கில மொழியில் தயாரிக்கப்பட்டு சிங்களம் / தமிழ் ஆகிய மொழிகளுக்கு மொழி பெயர்க்கப்பட்டதால் மொழி பெயர்ப்பில் ஏதாவதொரு முரண்பாடு காணப்பட்டால் ஆங்கிலப் பிரதி சரியானதென கருதப்படும்

Message of the Secretary

It is with a high degree of satisfaction that we present this Annual Performance Report – 2009 for the Ministry of Irrigation and Water Resources Management. The year under review can be called an eventful year for the Ministry, where we have forged ahead to fulfill the mission and objectives of the Ministry, in the subjects and functions pertaining to the Irrigation and Water sub sector, in serving the people and government. The year was both eventful and at the same time we were able to take many progressive steps that will steer this sector for to be more productive for its benefits of the nation in the coming years.

The capital development programme of the Ministry and its organizations had been having a work load of the order of Rs. 3900 million, other than the expenditure earmarked for Uma Oya multipurpose development project; and out of this allocation we have been able to achieve a target of 85% of expenditure. This is a good achievement, in spite of the various odds and constraints that had to be overcome during implementation. In the latter project, Uma Oya, largest multipurpose project undertakes in recent times, the preparatory works have progressed well.

In the irrigation sector, I am happy to announce that the diversion of Menik Ganga (Weheragala Project), water to augment Lunugamwehera Scheme, has been successfully completed during this year, and full benefits are now forth coming from the investment. Kekiriobada Reservoir Project also benefitting part of the S.E. dry zone had reached near completion stage. Of the other two large projects DeduruOya Reservoir and Rambukkan Oya Reservoir both have reached 25% overall physical progress stage. I am also happy to state that as regards Pro poor Economic Advancement and Community Enhancement project (PEACE) which had been lagging behind in physical progress, we were able to take suitable measures to put it back on track and it is now progressing smoothly.

Special mention needs to be made on the contribution of the Ministry and its organizations to the development work of the Northern sector after the recession of hostilities, under the UthuruWasanthaya initiative and 180 day programme. We have made special efforts to normalize and recommence the cultivation programme in Vavuniya and Mannar districts including Giants Tank, Akathimuruppu and Parvatkulam Tank etc, parts of which were virtually abandoned for over 20-30 years. On the crash programme of work that enabled a successful Maha cultivation in the large extent of irrigable area of nearly 8000 ha was successfully harvested, through the action taken by the Irrigation Department. The other two organizations under the Ministry, Central Engineering Consultancy Bureau (CECB), and Water Resources Board (WRB) also participated in the overall development efforts by providing housing for internally displaced persons and cleaning of wells for drinking purposes. The presence of the Ministry and its partners with their regional organizations will be able to carry forward and become active partners in this programme in the future years as well.

During the year under review our Ministry paid special attention to launch an agricultural productivity enhancement drive centered on the irrigable areas, where initial steps had been taken to introduce appropriate management techniques to concentrate on overall economic development activities, including agricultural production and livestock development. We were also able to identify key performance indicators for the priority thrust areas under the management for Development Result (MfDR) in association with the Ministry of Plan Implementation. Targets include increased yield, more extents and cropping intensities and water productivity. During the planning horizon up to 2016, we expect to gradually introduce and improve our management information system with continuous monitoring at the centre in order to achieve these ends.

Now that the country is forging ahead with a rapid development thrust to uplift the economy, after overcoming the unsettled conditions with the end of the war situation in May 2009, this Ministry and its partners in development, the Irrigation Department, Water Resources Board and Central Engineering Consultancy Bureau have a bigger role to play in the future. Irrigation and water sectors rank high in contributing to the overall economy and growth targets, including the agriculture reconnaissance programme in the MahindaChinthana Programme. In the coming years these organizations will be geared to play this role actively that will include planned development with more projects and programmes in pipeline. We are launching upon new and larger ventures such as flood and drainage management under Kalu Ganga Project, Transbasin Diversion initiatives for the S.E. dry zone and Yan Oya and Malwathu Oya Reservoir Projects to benefit the northern parts of the country. These are among the major items taken up for feasibility studies.

All these amounts to a heavy construction programme in the next 5-6 years, and selection of correct priorities and planned development in this sector, for which the Ministry and its organizations are oriented now. In addition to these large undertakings there will be the medium and smaller works to serve all parts of the country.

Details of work programme of this Ministry and said organizations are available in the following pages.

Eng. K.W. Ivan de Silva

Secretary

Ministry of Irrigation and Water Resources Management

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1. Vision

“Let not a single drop of water flow into the sea without being used”. Drawing inspirations from the dictums of King Parakramabahu the Great, the vision of the Ministry is leading the Irrigation and Water Sectors for overall welfare and the future prosperity of the Nation by application of appropriate technology and management criteria suited for the new age.

2. Mission

Contributing to the national efforts to build a prosperous Sri Lanka ensuring the food security of the Nation by the utilization of water and other resources in a holistic and sustainable manner.

3. Objectives

Optimum utilization of water resources in the Island for enhancement of agricultural production and raising the living standards of the farming community, by improving the efficiency of the irrigation and drainage systems and flood control, while addressing the needs and all other uses of water in a sustainable, productive, equitable and environmentally friendly manner with due attention to the conservation of sources of water and maintaining its quality standards.

4. Subjects and Functions of the Ministry of Irrigation and Water Resources Management

Subjects and functions entrusted to the Ministry are as follows.

- Formulation and implementation of policies, plans and programmes in respect of Irrigation, Reservoirs and Water Management.
- Irrigation and Drainage work.
- Salt water exclusion schemes.
- Rain water harvesting
- Flood protection
- Prevention of the pollution of rivers, streams and other water courses.
- Promotion construction operation and maintenance of irrigation, drainage and flood control schemes.
- Engineering consultancy services and construction

5. Divisions in the Ministry

Functions of the Ministry were handled by the following divisions, providing the guidance and translating national policies in this sector, and exercising supervision and progress control by the Senior Management and Directors as given below.

- | | | |
|-----------------------------------|---|-----------------------------|
| a) Administration | - | Additional Secretary (Adm) |
| b) Finance and Supplies | - | Chief Accountant |
| c) Technical | - | Additional Secretary (Tech) |
| o Engineering | - | Director (Eng) |
| o Planning and Progress Control | - | Director (PI) |
| o Water Resources | - | Director (WR) |
| d) Internal Audit | - | Internal Auditor |
| e) Irrigation Management Division | - | Director (IMD) |

5a. Administration Division

Administration Division of the Ministry is headed by an Additional Secretary (Administration) who is assisted by an Administration Officer and Management Assistants.

This branch maintains personal files of all the officers in the ministry and of all staff officers in the Irrigation Management Division. The other administration matters of all the employees in the Ministry, Irrigation Department, Irrigation Management Division, Water Resources Board and Central Engineering Consultancy Bureau are also carried out by this branch.

Summary of cadre positions are listed below:

Ministry of Irrigation and Water Resources Management

Category	Approved Cadre	Actual Staff	Vacancies
1. Senior Level	13	08	05
2. Tertiary Level	04	01	03
3. Secondary Level	33	25	08
4. Primary Level	25	18	07

Irrigation Management Division

Category	Approved Cadre	Actual Staff	Vacancies
1. Senior Level	21	15	06
2. Tertiary Level	39	36	03
3. Secondary Level	42	38	04
4. Primary Level	62	56	06

New recruitments and retirements etc. are as follows

Number of Officers retired

1. Ministry of Irrigation and Water Resources Management	-	01
2. Irrigation Management Division	-	02

New Recruitments in the year

1. Ministry of Irrigation and Water Resources Management	-	01 (Drivers)
2. Irrigation Management Division	-	05 (Drivers)

Approved overseas leave during the year

1. Ministry of Irrigation and Water Resources Management	-	-
2. Department of Irrigation	-	30
3. Irrigation Management Division	-	-
4. Central Engineering Consultancy Bureau	-	22
5. Water Resources Board	-	01

Approved Foreign Scholarship, Conferences and Courses and visit to foreign Project

1. Ministry of Irrigation and Water Resources Management	-	03
2. Department of Irrigation	-	21
3. Irrigation Management Division	-	03
4. Central Engineering Consultancy Bureau	-	37
5. Water Resources Board	-	-

5b. Finance and Supplies Division

Control of annual budget is exercised by the Finance Division of the Ministry headed by a Chief Accountant, assisted by Development Assistants and Management Assistants. This branch is responsible for budgeting, accounting and procurement including all payments to the employees.

Summary of Progress of Capital and Recurrent Budget for 2009

Capital and Recurrent Budget 2009

Item	Allocation Rs. Mn.	Total Expenditure Rs. Mn.	Expenditure as % of the allocation
Capital Expenditure	10,829.911	3,422.254	31.6
Recurrent Expenditure	1,330.039	1,280.683	96.3
Total	12,159.59	4,702.938	38.7

Following filled Forms are attached here.

Form A	:	Appropriation Account
B	:	Revenue Accounts
C	:	Advance Accounts
D	:	Fund Accounts

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CATEGORY : APROPRIATION ACCOUNT		152		Form - A								
Description	Financial Performance (Rs. In '000)						Physical Performance					
	Current Year		Previous Year Actual 2012	Variation Over		Output (Service/Goods)		Current Year's Output		Previous Years output	Variation Over	
	Budgeted	Actual		Budget	Previous Year Actual	Type/ Class	Measure	Targeted	Actual		Targeted	Previous Years Actual
Programme Title and No.												
Operational Activities 01												
Project Title and No:												
Minister office 01												
Expenditure												
Recurrent Expenditure												
Personnel Emoluments	13400	13402	12886									
Other Recurrent	24,525	21948	22789									
Project Title and No:												
Administration & Establishment Services 02												
Expenditure												
Recurrent Expenditure												
Personnel Emoluments	20,600	19564	17045									
Other Recurrent	6,775	6225	6160									
Programme Title and No.												
Development Activities 02												
Project Title and No:												
Inter provincial irrigation Development Programmes 03												
Expenditure												
Recurrent Expenditure												
Personnel Emoluments	46,100	42206	37,692									
Other Recurrent	7,270.00	5,767.00	6,031.00									
Project Title and No:												
Irrigation Institutions & Development Programmes 04												
Expenditure												
Recurrent Expenditure												
Personnel Emoluments	0.00	0.00	0.00									
Other Recurrent	65,000.00	62,000.00	61,000.00									
Total	183,670.00	171,112.00	163,603.00									
Capital Expenditure												
Operational Activities 01												
Minister office 01	5,320.00	4,189.00	4,437.00									
Administration & Establishment Services 02	10,025.00	12,150.00	1,601.00									
Development Activities 02												
Inter provincial irrigation Development Programmes03	8,464,050.00	7,225,453.00	596,975.00									
Development programme of irrigation institutions			5,757.00									
Total Expenditure	8,663,065.00	7,412,904.00	772,373.00									

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CATEGORY : REVENUE ACCOUNTS

152

Form -B

Description	Financial Performance (Rs '000)						Physical Performance							
	Areas of Revenue As At 01.01.200*	Current Year		Previous Year Actual	Variation Over		Areas of Revenue As At 01.01.200*	Output (Service /Goods)		Current Year's Output		Previous Years output	Variation Over	
		Budgeted	Actual		Budget	Previous Year Actual		Type/ Class	Measure	Targeted	Actual		Targeted	Previous Years Actual
Revenue Codes														
20.02.01.01	310	209	309	-101	(01)									
20.02.02.99	800	359	825	-441	25									
20.03.99.00	600	193	688	-407	88									
Total Revenue	1710	761	1822	-949	112									

CATEGORY : ADVANCE ACCOUNTS			152		Form -C							
Description	Financial Performance (Rs. In '000)				Physical Performance							
	Current Year		Previous Year Actual	Variation Over		Output (Service/Goods)		Current Year's Output		Previous Years output	Variation Over	
	Prescribed	Actual		Prescribed	Previous Year Actual	Type/Class	Measure	Targeted	Actual		Targeted	Previous Years Actual
Type:												
Account Title & No: Advances to Public Officers 152011												
Maximum Expenditure Limit	10,787	7,723	6,414									
Minimum Receipt Limit	2,900	5,113	1,687									
Maximum Debit Limit	32,000	24,781	8,070									
Maximum Liability												
Financial Results		23,207	8,070									

CATEGORY : APPROPRIATION ACCOUNT			282			FORM - A						
Description	Financial Performance (Rs.In '000)					Physical Performance						
	Current Year		Previous Year Actual	Variation Over		Output (Service/Goods)		Current Year's Output		Previous Years output	Variation Over	
	Budgeted	Actual		Budgeted	Previous Year Actual	Type/ Class	Measure	Targeted	Actual		Targeted	Previous Year Actual
Programme 01 - Operational Activities												
Project 01 - Administration & Establishment Services												
□												
Expenditure												
Recurrent Expenditure												
Personnel Emoluments	245,400	235,429	238,790	9,971	-3,361		%	100	95.94	99.94	4.06	-4
Other Recurrent	47,700	41,886	35,911	5,814	5,975		%	100	87.81	99.47	12.19	-11.66
Total	293,100	277,315	274,701	15,785	2,614							
Capital Expenditure												
2001	17,000	15,339	15,790	1,661	-451	a	%	100	90.23	78.95	9.77	11.285
2002	197	87	110	110	-23	b	%	100	44.16	44	55.84	0.16
2003	1,291	1,291	704	0	587	c	%	100	100	46.93	0	53.07
2102	5,000	4,984	2,342	16	2,642	d	%	100	99.68	46.84	0.32	52.84
2104			1,743	0	-1,743	e	%			43.58	0	-43.58
2401	850	822	975	28	-153	f	%	100	96.71	97.5	3.29	-0.79
Total	24,338	22,523	21,664	1,815	859							

a - Rehabilitation & Improvements of Building & structures

b - Rehabilitation & Improvements of Plant Machinery & Equipment

c - Rehabilitation & Improvements of Vehicles

d - Acquisition of Furniture & office equipment

e - Acquisition of Building & Structures

f - Training & Capacity Building

□

CATEGORY : APPROPRIATION ACCOUNT		282				FORM - A						
Description	Financial Performance (Rs.In '000)					Physical Performance						
	Current Year		Previous Year Actual	Variations Over□		Output (Service/Goods)□		Current Year Output□		Previous Years output □	Variations Over□	
	Budgeted	Actual		Budgeted□	Previous Year Actual□	Type/ Class	Measure	Targeted	Actual		Targeted□	Previous Year Actual□
Programme 02-Development Activities												
Project 02 - Administration & Maintenance of Irrigation Schemes												
□ Expenditure□												
□ Recurrent Expenditure□												
Personnel Emoluments □	784,200	781,537	755,691	2,663	25,846			100	99.66	99.34	0.34	0.32
Other Recurrent□	72,405	64,605	69,029	7,800	-4,424			100	89.23	98.64	10.77	-9.41
Total	856,605	846,142	824,720	10,463	21,422							
□ Capital Expenditure												
2001	581,000	549,105	579,000	31,895	-29,895	a	%	100	94.51	80.98	53.49	13.53
2002	15,300	13,390	9,034	1,910	4,356	b	%	100	87.52	60.23	12.48	27.29
2003	21,250	19,453	19,204	1,797	249	c	%	100	91.54	76.82	8.46	14.72
2102	12,000	11,302	1,125	698	10,177	e	%	100	94.18	11.25	5.82	82.93
2103	66,600	59,899	55,394	6,701	4,505	f	%	100	89.94	92.32	10.06	-2.38
2104	16,800	13,717	11,453	3,083	2,264	g	%	100	81.65	76.35	18.35	5.3
2502	48,600	33,995	39,095	14,605	-5,100	h	%	100	69.95	51.44	30.05	18.51
Total Expenditure	761,550	700,861	714,305	60,689	-13,444							

a - Rehabilitation & Improvements of Building & structures

b - Rep. to Plant Machinery & Equipment

c -Rep. to Vehicles

d -Acquisition of Furniture & office equipment

e-Acquisition of Plant Machinery & Equipment

e -Acquisition of Building & Structures

f -Other Capacity Expenditure

□

CATEGORY : APPROPRIATION ACCOUNT		282		FORM - A								
Description	Financial Performance (Rs. '000)					Physical Performance						
	Current Year		Previous Year Actual	Variations Over□		Output (Service/Goods)□		Current Year Output□		Previous Years output □	Variations Over□	
	Budgeted	Actual		Budgeted	Previous Year Actual	Type/ Class	Measure	Targeted	Actual		Targeted□	Previous Year's Actual□
Programme 02- Development Activities												
Project 03 - Major Irrigation Schemes												
□												
Expenditure□												
Recurrent Expenditure□												
Personnel Emoluments □												
Other Recurrent□												
Total												
□												
Capital Expenditure□												
2105	1,362,082	1,297,261	1,164,384	64,821	132,877	a	%	100	95.24	71.76	4.76	23.48
Total Expenditure□	1,362,082	1,297,261	1,164,384	64,821	132,877							

a – Major Irrigation Schemes

□

CATEGORY : APPROPRIATION ACCOUNT		282				FORM - A						
Description	Financial Performance (Rs.In '000)					Physical Performance						
	Current Year		Previous Year Actual	Variations Over□		Output (Service/Goods)□		Current Year Output□		Previous Years output □	Variations Over□	
	Budgeted	Actual		Budgeted	Previous Year Actual	Type/ Class	Measure	Targeted	Actual		Targeted□	Previous Year's Actual□
Programme 02- Development Activities												
Project 04 - Medium Irrigation Schemes												
□												
Expenditure□												
Recurrent Expenditure□												
Personnel Emoluments □												
Other Recurrent□												
Total												
□												
Capital Expenditure												
2105	210,998	194,437	191,028	16,561	3,409	a	%	100	92.15	53.99	7.85	38.16
Total Expenditure□	210,998	194,437	191,028	16,561	3,409							

(a) – (d) Major Irrigation Schemes

CATEGORY : REVENUE ACCOUNTS											Form B			
Head :	282													
Description	Financial performance						Physical Performance							
	Arrears of Revenue As at 01.01.2009	Current Year		Previous Years Actual	Variation Over		Arrears of Revenue As at 31.12.2009	Out Put (Service/ Goods)		Current Year Output		Previous Year Actual	Variation Over	
Budgeted		Actual	Budget		Previous Years Actual	Type/Classes		Measure	Targeted	Actual	Targeted		Previous Year Actual	
Revenue Codes														
20.02.10.01 Rent on Government Buildings	-	7,600	6,928	6,766	(672)	162								
20.02.20.02 Interest - Other	-	13,000	15,004	12,337	2,004	2,667								
20.03.99.00 Other Receipts	-	15,000	19,223	32,241	4,223	(13,018)								
Total Revenue	-	35,600	41,155	51,344	5,555	(10,189)								

CATEGORY : ADVANCE ACCOUNTS – 282 Form C												
Description : Public Officer's Advance Account	Financial Performance (Rs. In '000)					Physical Performance						
	Current Year		Previous Year Actual	Variation Over		Output (Service/Goods)		Current Year's Output		Previous Years output	Variation Over	
	Prescribed	Actual		Prescribed	Previous Year Actual	Type/ Class	Measure	Targeted	Actual		Targeted	Previous Year's Actual
Type:												
Account Title & No: 282011												
Maximum Expenditure Limit	164,586	162,869	109,885	1,717	52,984	%	100	98.96	99.9	1.04	-0.94	
Minimum Receipt Limit	87,000	103,547	86,182	-16,547	17,365	%	100	119.02	143.64	-19.02	-24.62	
Maximum Debit Limit	375,000	310,663	310,664	64,337	-1	%	100	82.84	83.96	17.16	-1.12	
Maximum Liability												
Financial Results												

5c. Technical Division

These divisions functioning under Additional Secretary (Technical) are guiding and providing overall management of the large capital development programmes of the Ministry. These divisions have provided the necessary supervision at the ministry level over the technical matters associated with projects and items of work undertaken by institutions under the ministry.

i. Engineering Division

The biggest achievement gained by Engineering Division is guiding the completion of Weheragala Reservoir Project in 2009 in time. This project was started in 2005 and completed in 2009. It was able to drive 50.57 MCM of Menikaganga water to Lunugamwehera reservoir enabling cultivation of about 10,000 Ha of paddy under Lunugamwehera Scheme in the Menik ganga basin. This division assisted to accomplish this endeavor, by preparation of cabinet Memorandums for revision of Total Cost Estimate and subsequently get it approved by the Cabinet of Ministers, and also provided assistance to get all necessary approval which required for timely procurement of works and goods for Menik Ganga Reservoir Project.

This division also examined and assisted recasting the Total Cost Estimate of Kekiriobada Project; subsequently it was approved by the Cabinet of Ministers. Engineering Division of Ministry of Irrigation and Water Resources Management Coordinated activities of land acquisitions processes and was able to forward land acquisition papers for acquisitions of 521 lots of lands to Ministry of Land and Land Development. The division also assisted to provide additional allocations to expedite construction works of Kekiriobada Project. The head works of the project were substantially completed at end of the year.

Engineering Division also provided necessary approvals required from the Ministry to implement Deduru Oya and Rambukkan Oya reservoir projects. This includes approval of sub estimates of the two projects, and facilitating to expedite procurements of work & goods for these projects.

Considerable effort was given to expedite land acquisition and re-settlement activities of Deduru Oya Project. Although there was a considerable shortfall in achieving targets under land acquisition and re-settlement in 2009 due to delays in some activities of the process, this Ministry / Engineering Division has fulfilled obligations fully, which included, obtaining approval from the Cabinet of Ministers whenever required, forwarding Land Acquisition applications in time, getting approved special incentive package for all field staff who involved in land acquisition activities etc.

Engineering Division also successfully completed all duties connected to urgent procurement of works under Uma Oya Project (UOP) and Uthuru Wasanthaya 180 day programme. This includes renovation of new office premises for the UOP and Dam Safety and Water Resources Planning Project (DSWRPP) and urgent procurement of goods for UthuruWasanthaya programme. The division also monitored the progress of essential rehabilitation works in Giants Tank and Agathimuruppu tanks, which enabled 8,000 ha of lands to bring under cultivation in Maha 2009 / 2010 in these two schemes in Mannar District after 20 years.

Further, this division handle the Tender Board and procurement matters, the Ministry and its institutions.

ii. Planning and Progress Control Division

In addition to normal functions such as preparation and implementation of sectoral plans together with new projects, coordination with National Planning Department and the Budget Department, preparation of annual budget estimates, monitoring progress and reporting, coordination with the officials of Ministry of Plan Implementation. The following specific tasks were performed by the Division.

- ❖ Finalized the Agency Result Framework for the Ministry and performance indicators based on 10 year Development Framework (span 2006 – 2016)
- ❖ Memorandum of Understanding was signed with M/S TAHAL Consulting Engineers Ltd of Israel for development of water resources of Kalu Ganga Basin including flood protection.
- ❖ Obtaining Cabinet approval to appoint a Cabinet Appointed Negotiating Committee and a Project Committee to evaluate, negotiate and recommending to the cabinet the project Technical Proposal and Financial Proposal of TAHAL Consulting Engineers Ltd.
- ❖ Held further discussions with FARAB Co. in connection with contract agreement of Uma Oya Project, finalizing the contract sum, particular conditions of contract and payment methodology.
- ❖ Made recommendations to the Ministry of Power and Energy regarding declaration of Energy Development Areas under Sri Lanka Sustainable Energy Authority act.
- ❖ Negotiation and coordination with the Survey Department for urgent surveys in Uma Oya Project, Yan Oya Project, Malwathuoya, Pre-ar, Kal-ar, proposed reservoir projects.

- ❖ Submitting a Prefeasibility Report on Kelani River Upstream Reservoirs to the National Water Supply and Drainage Board.
- ❖ Signing memorandum of agreement with China CAMC Engineering Co. Ltd. to work in three projects namely, Yan Oya, Nilwala Ganga Basin and Malwathu Oya with priority over Yan Oya Project.
- ❖ Obtained the Cabinet approval for the implementation of Yan Oya Reservoir Project with the China CAMC Engineering Co. Ltd. on an EPC Contract using their expertise who will update feasibility studies and designs, and construction after assisting to source the necessary funds from China.
- ❖ Participating in three inter agency coordination committee meetings of Project Approving Agencies for Environment Impact Assessment (EIA).
- ❖ Assisted the Central Environmental Authority in series of discussion and seminars to review the EIA process to improve its effectiveness.
- ❖ Participation of the discussion on implementations regarding the output of stocktaking exercise of implementing National Obligations of SARRC Action Plan on climate change with the Ministry of Environment and Natural Resources.
- ❖ Attending Regional Training Programme on Climate Change Adaptation and Disaster Risk Reduction in Bangladesh.
- ❖ Assisting the Ministry of Environment and Natural Resources in formulating a project preparatory working and Steering Committee for Technical assistance on strengthening capacity for Climate Change Adaptation Programme.

iii. Water Resources Division

The Water Resources Division of the Ministry of Irrigation & Water Resources Management has facilitated implementation of the cultivation programme in major and medium irrigation schemes during the 2008 / 2009 Maha and 2009 Yala through the Irrigation Department and Irrigation Management Division successfully, despite to the prevailed drought.

During the 2008 / 2009 Maha season 248,895 ha (100% of cultivable area) have being cultivated promoting land preparation with rain water to save tank water for Yala and during the Yala season 177,481 ha (71% of cultivable area) have being cultivated increasing despite to the drought prevailed in the year. The average cropping intensity was increased to 1.6 during the year 2009.

The average paddy production in Maha season was 1,992,722 MT with average yield of 4,421 Kg / ha and average production in Yala 2009 was 1.168207 with average yield of 4,186 Kg / ha. The highest yield was recorded at Ampara in both season 5.58 Kg / ha in Maha and 4.964 Kg / ha Yala respectively.

In addition Pro – Poor Economic Advancement and Community Enhancement Project (PEACE) was implemented successfully by the Irrigation Department and Irrigation Management Division under the supervision of Ministry of Irrigation and Water Resources Management. The main objective of the project envisaged rehabilitation of 8 major irrigation schemes, 2 medium irrigation schemes and 80 minor irrigation schemes in Anuradhapura and Kurunegala District covering total irrigation area of 18,200 ha to achieve sustainable development of regional agriculture, improve family incomes of the rural community and improve the social – economies status. During the year 2009 overall progress of the project during the year 2009 is 24% and achieved fairly good progress with compared to previous years.

Under the Ministry guidance the Water Resources Board has rendered their service to ensure drinking water for displaced and resettlement areas in North and Eastern Provinces by cleaning around 1900 dug wells as well as tube wells. Further; no of tube wells were provided in Monaragala District to augment the water supply schemes of the area to ensure the drinking water during the drought period.

5d. Internal Audit Division

This Division is responsible for internal auditing in the Ministry and the institutions under the Ministry. Senior Accountant is functioning as the Chief Internal Auditor, who is assisted by officers of various disciplines. Summary of audit investigations carried out during the year 2009 are as follows:-

1. Auditing the activities of the Irrigation Management Division
2. Auditing the payment vouchers of the Ministry and submitting them to the Auditor General
3. Submitting a report auditing the activities of the RabukkanOya Project
4. Submitting Audit reports for the office of Range Director of Irrigation Galle, Ambalangoda Irrigation Engineer's Office, and the Monaragala Irrigation Engineer's Office.

-
5. Submitting a Report for usage of vehicles of the Ministry and Irrigation Department.

Shortcomings exposed by these reports have been attended by the respective section.

5e. Irrigation Management Division

1. Introduction

Irrigation Management Division (IMD) was established in 1984 to implement the concept of Integrated Management of Major Irrigation Settlement (INMAS). At present, it implements the Integrated and Participatory Irrigation Management programmes in 53 Major Irrigation Schemes consisting of around 166,000ha of irrigable extent. The primary aim of this approach is to establish a self – reliant farming community in irrigated agriculture. It expects to implement participatory approach through active participation of beneficiaries and farmer representatives, state and non – governmental officials and private sector resulting in stronger Institutional development processes.

2. Scope

This division is primarily responsible to establish and strengthen farmer – based institutions, facilitate improved farm production and productivity, and improved operation and maintenance of irrigation schemes and also to enhance the knowledge and skills of farming community for active participation in all related activities.

3. Progress of Programmes implemented in 2009

3.1.Strengthening and Empowering Farmer Organizations

- 3.1.1. Assisted farmer organization to inculcate financial transparency and good governance.

- a). Prepared final accounts of 581 farmer organizations (FOs)
- b). Guided 632 FOs for auditing of accounts.
- c). Assisted 283 FOs to conduct elections of office – barterers
- d). Assisted 714 FOs to hold annual general meetings
- e). Assisted to increase the FO fund by Rs. 12.6 Million approximately.
- f). Trained 1,567 field canal representatives of FOs in financial management.

- 3.1.2. Implemented awareness and training programmes for capacity building of farmers.

- a) Trained 2,003 FO committee members and representatives on financial management through 55 training programmes.

- b) Conducted awareness for 4,210 farmers and training for 2,140 farmers to improve the attitudes and knowledge, skills and capacity on multitude of subjects.
- c) Conducted awareness programmes for 205 farmers on effective and efficient operation and maintenance of irrigation system in order to increase the agricultural productivity.

3.2. 'Nil Diyawara KethYayata' National Irrigation Programme.

- a) Conducted 766 Shramadana with the participation of farmers and contribution of 69,351 man days during 2009 Yala season for operation and maintenance of sub system.
- b) Established fixed boundaries for reservations with the participation of FOs in 144 Distributory Canals (DC) and 402 Field Canals (FC)
- c) Established 70 model DCs and 176 models FCs with the participation of FOs.
- d) Assisted to develop Rs 17.9 Million in 499 FOs for attending to maintenance and improvements of irrigation infra-structure at sub system level.
- e) Developed an enabling environment for FOs to maintain 2,024 DCs and 2,650 FCs.
- f) Enabled FOs to repair 304 structures with the expenditure of Rs 10.2 Million from their own funds.
- g) Enabled FOs to repair and maintain 347 km of farm roads with their own expenditure of Rs. 9.1 Million.
- h) Promoted and assisted to implement 119 irrigation cultural heritage events such as 'jala puja shanthi karma' (muttinameema), 'aluthsahalmangalya', 'kiriithiraweema' and 'gam rajakari'.



3.3. Agricultural Production and Productivity Improvement.

- a) Organized to cultivate 8,938 ha of other field crops (OFC) in irrigable lands during 2008 / 09 Maha and 2009 Yala and coordinated and facilitated to obtain Rs Mn. 676.0 for farming community.

- b) Organized to produce 1,000 kg of high quality seed paddy through FOs participation as a means to solve the scarcity of seed paddy.
- c) Facilitated to cultivate 738 ha of soya and 352 ha of maize under irrigation in 04 major irrigation schemes through FO participation; coordinated to obtain Rs 35/= and RS. 95/= per kg of maize and soya respectively through forward sales contracts (FSCs) generating an income of Rs. 113.1 Million for farming community.
- d) Established a background for INMAS Irrigation Schemes to contribute to annual national paddy production by around 36% through production of 1.303 Million MT from 277,597 ha of paddy cultivation.
- e) Organized to expand the use of Organic Fertilizer in major irrigation schemes to an extent of around 39,303 ha.
- f) Coordinated to obtain credit services to farmers from banking and other financial sources to around RS. 14.0 Million.
- g) Successfully conducted inter – season cultivation programmes for green gram of 1,093 Ha at KrindiOya Scheme giving an income of Rs. 81.0 Million of extra income for farmers.



3.4. Pro Poor Economic Advancement & Community Enhancement (PEACE) Project

The main objectives of the “PEACE” Project is to uplift the living coordination of rural farmer community through development of irrigation infrastructure facilities and sustainable development of regional agriculture and thereby to increase the farmers’ income with enhancement of living standard of rural farmers. “PEACE” Project activities consist of 08 major, 12 Medium and 80 Minor Irrigation Schemes and implemented in parts of four districts, namely Anuradhapura, Kurunegala, Matale&Puttalam. The especially in “PEACE” Project is that the each activity such as identification, planning, implementation and operation etc. are executed through enhancement and empowerment of beneficiary farmers to actively participate in them. It is expected to invest Rs. 5,040 Million for Kurunegala, Anuradhapura & Matale Component where major portion by foreign aid provided by Government of Japan and the balance from the Government of Sri Lanka. Total number of beneficiary farmer families will be 25,000 and the Project Period is from October 2006 to March 2011.

a) Main Components,

- 1) Strengthening and Social Mobilization of Farmer Organizations (FOs)
- 2) Rehabilitation and Improvements of Irrigation infrastructure facilities
- 3) Strengthening Agricultural Support Services
- 4) Improvements to Agriculture Productivity and Income Generation Activities
- 5) Improvements to operation and Maintenance and Water Management
- 6) Improvements to Rural Credit.

b) Progress of Project Activities Implemented in Year 2009**1) Strengthening and Mobilization of Farmer Organizations,**

- a) Conducted 28 training programmes to improve leadership qualities.
- b) 183 Community Awareness Programme (CAP) workshops were conducted for FOO in Anuradhapura, Kurunegala and Matale Districts to identify problems and prepare implementation programme of farmers for the respective FO areas and 183 Community Action Plan reports were prepared.
- c) 61 Financial Management Training Programmes were conducted for FOs to inculcated good governance and transparency. Also 183 practical workshops for updating accounts of 183 FOs were conducted.
- d) 173 Construction Management Training Programmes were conducted for FOs to improve quality of irrigation infrastructure rehabilitation work undertaken by FOs.
- e) 08 training and skill development workshops were conducted for social Mobilizers.
- f) 18 follow up workshops were conducted for Social Mobilizers.
- g) 09 refresher workshops were conducted for Implementing Agency Officers to identify the issues and constraints to implement “PEACE” Project activities to ensure sustainability of the Project activities.
- h) 62 refresher workshops were conducted for FOO leaders to identify the issues and constraints in implementing “PEACE” Project activities to ensure sustainability of the project.
- i) 01 Base Line Survey was conducted to collect data at the beginning of Project and to assess the initial situation of project area.

2) Rehabilitation and Improvements of Irrigation infrastructure Facilities,

- a) Rehabilitation of Main system (Bund, Sluice, Spillway, Feeder canal and Main canal)
 - 1) Rehabilitation of 50 km of canal system consisting of main canal and bunds, Gates, Spillways of Nachchaduwa, Nuwarawewa, Rajanganaya, Tissawewa, Magallawewa, Attaragalla, Ambakolawewa, Palukadawela Major Irrigation Schemes and 10 Medium Irrigation Schemes to a value of Rs 530 Million was completed.

2) Surveys and designs and estimates of 200 km of canal system consisting of main canal and bunds, Gates, Spillways of Nachchaduwa, Nuwarawewa, Rajanganaya, Tissawewa, Magallawewa, Attaragalla, Ambakolawewa, and 10 Medium Irrigation Schemes to a value of Rs. 1,427.6 Million were completed by the end of December 2009.

b) Sub system Rehabilitation (Distributory Canals and Field Canals)

1) 250 km of Engineering Surveys of Distributory and field canals and Designs and estimates of some worth Rs. Mn 1,762.4 were completed.

2) Handed over the rehabilitation work to 80 FOs for a value of Rs 1,133.22 Million, of which Rs 448.32 Million value works completed in Nuwarawewa, Rajanganaya, Tissawewa, Magallawewa, Attaragalla, Ambakolawewa, and 10 Medium Irrigation Schemes.

3) Handed over rehabilitation work worth Rs 180 Million to 80 No of FOs of Minor Irrigations Schemes in Kurunegala, Anuradhapura and Matale Districts of which a value of work Rs 85.3 Million is completed.

3) Strengthening Agriculture Support Services

a) Spent Rs. 6.5 Million and improved 5 buildings belong to Department of Agrarian Development in Kurunegala District.

b) Spent Rs 4.5 Million and improved a Training Centre for Department of Agrarian Development at Nikawewariya.

c) Spent Rs 2.3 Million and constructed poultry sheds for Thirappane farm belongs to Provincial Department of Animal Production & Health, Anuradhapura.

d) Spent Rs. 8.3 Million and constructed Auditorium for In – service Training Centre, MahaIlluppallama.

e) Spent 4.4 Million and constructed Office Building of Deputy Director (Inter Provincial), Department of Agriculture, Anuradhapura.

4) Agriculture Development and Income Generation Activities in 2009,

a) Conducted 90 Nos. of demonstrations, 18 Nos. of farmer training programmes on Maximum Paddy Yields, 10 Nos. of demonstrations for high quality seed paddy, 08 No. of farmer training programmes on High Quality Seed Paddy and 20 Nos. of demonstrations and 05 Nos. of farmer training programmes on production of Quality Rice.

b) Conducted 19 demonstrations and 42 farmer training programmes on Horticulture. Conducted 87 demonstrations & 19 farmer training programmes for OFC cultivation.

-
- c) Conducted 30 Nos. of demonstrations and 80 farmer training programmes to promote Home Gardening among farmers and 02 farmer programme to share their experiences.
 - d) Conducted 05 demonstrations and 03 farmer training programmes on Floriculture and 01 farmer programme to share their experiences.
 - e) Conducted 05 No. of farmer training programmes to establish 61 ha of Coconut and 10 farmer training programmes to establish 61 ha of cashew cultivation.
 - f) Conducted 10 No. of farmer training programmes on Dairy Farming and 06 farmer experience exchange programmes. Distributed of 96 to dairy Cattles among 96 farmer families.
 - g) Conducted 12 farmer training programmes on poultry farming and 01 farmers experience exchange programme on poultry keeping for domestic consumption, and distributed 384 Chicks among 32 farmer families.
 - h) Conducted 01 farmer training seasons and 01 No. of demonstration on Goat Keeping.
 - i) Introduced Fresh Water Food Fish culture to minor irrigation schemes and trained 10 farmer groups on management on Food Fish culture and also promoted 13 persons for Ornamental Fish culture.
 - j) Conducted 02 demonstrations on cashew processing and 01 Demonstrations on Rice Flour preparation.
 - k) Conducted 120 Post Harvest and Value Addition farmer training programmes.
 - l) Conducted 03 Farm Economy training programmes.
 - m) Conducted 10 Study Tours to share experience on Agro Based Activities.
 - n) Established 01 Integrated Livestock and Crop Demonstration plots.
 - o) Conducted 06 farmer training programmes for Quality Control & Marketing.
 - p) Conducted 79 Demonstrations 54 Nos. farmer training programmes and 07 farmer exchange programmes on Non – Agro based activities.

5) Improvements to Operation and Maintenance and water Management

- a) Conducted Training of Trainers (TOT) programmes in Water Management for the staff to Irrigation Department, Irrigation Management Division (IMD), Provincial Engineering Departments and Department of Agrarian Development.
- b) Conducted Water Management training programmes for 184. Social mobilizers.
- c) Conduct Water Management training programmes for 75 Farmer leaders.

6) Improvements to Rural Credit

- a) Selected 206 potential entrepreneurs in the Project area of Kurunegala and Anuradhapura Districts and given them training to improve their capacities and released Rs 19.3 Million worth loans through Rajarata Development Bank and Wayamba Development Bank.
- b)

3.5. Project on Increasing Capacity of Integrated Management (ICIM) in Irrigated Agriculture of Dry Zone.

This Project was initiated in mid-2007 to strengthen and improve the capacity for Integrated Management in irrigated agriculture in dry zone of Sri Lanka funded by Japanese International Cooperation Agency and the Government of Sri Lanka. The Project will initially implement a Pilot Study in three Farmer Organization areas within three Major Irrigation areas namely Rajangana, Kadurugasdamana and Kimbulwana Oya in Anuradhapura and Kurunegala District. This Project is being implemented from 2007 – 2011 and Japanese Government expect to invest Yen 101.5 Million as a grant while the Government of Sri Lanka will invest Rs. 34.5 Million. The Project will emphasize on improving irrigation facility management, water management in irrigation systems improving farm lands and on – farm water management, improving agricultural production, marketing and value addition and to highlight the potential for agro – based industries.

The Project expects to obtain the active participation of all relevant agencies involved in irrigated agriculture and to improve the capacity of those institutes and relevant officers in order to strengthen the integrated management.

1. Progress of Programmes in 2009

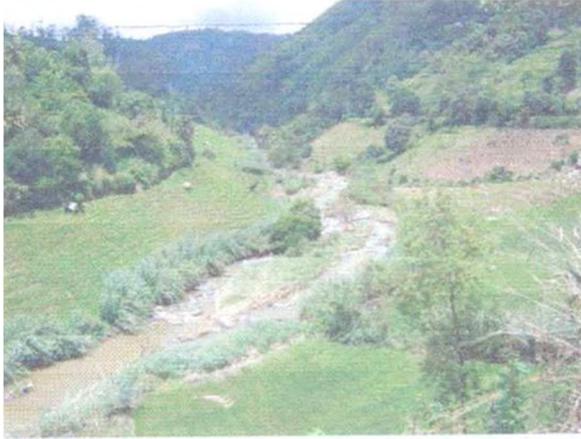
- a. Establishment of revolving fund worth of Rs 1,147,391 and provision of loan facilities.
- b. For 105 farmers
- c. Establishment of 13 seed paddy farmers to supply seed paddy for the respective areas.
- d. Conduct 3 feasibility studies for preparation of Community Action Plans for respective areas.
- e. Establishment of 3 demonstration farmers in each area under ICIM project.
- f. Formation of 3 subcommittees to develop animal husbandry.
- g. Distribution of 37 animals among the farming community worth of Rs 19.59 Million.
- h. Putting up of 12 cattle sheds.
- i. Formation of women groups.

6. Project Officers and special projects operating directly under the Ministry

- Uma Oya Multipurpose Development Project
- Pro – Poor Economic Advancement and Community Enhancement Project. (PEACE)
(this project is coordinated by the Irrigation Management Division and has been described under section 6e)

Uma Oya Multipurpose Development Project

Project Title	:	Uma Oya Multipurpose Development Project
Employer (Client)	:	Ministry of Irrigation and Water Resources Management
Main Contractor for Head Works	:	Farab Company of Iran
Contract Sum	:	USD 529,059,198
Date of Contract Effectiveness	:	15 th March 2010
Funded by	:	Government of Islamic Republic of Iran (GIRI) through Export Development Bank of Iran (EDBI) USD 450,000,000 Government of Sri Lanka (GOSL) USD 79,059,198
Financing Agreement	:	LKA No. 870/L/LKA/01 Signed on 28 th April 2010
Objectives	:	Trans basin diversion of approximately 145 Million Cubic Meters (MCM) of water annually from Uma Oya basin to Kirindi Oya basin to irrigate 5000ha of new land and to provide drinking and industrial water requirement (30MCM) of the South East Dry Zone (SEDZ) and to harness hydro power potential to generate 312 GWH annually with an installed capacity of 120MW.
Estimated Total Project Cost	:	USD 450,000,000 from EDBI plus USD 79,059,198(GOSL) & Rs. 6,121,750,000 (GOSL)
Including Downstream (Kiridi Oya Basin) Development	:	Rs. 9,352,500,000 (GOSL) for Down Stream Development



Main Components of the Project

1. Construction of a dam/ reservoir at Puhulpola.
2. Construction of a dam/reservoir at Dyraaba.
3. Construction of a tunnel connecting the above two reservoirs.
4. Construction of Head race Tunnel from the reservoir at Dyraaba (head race tunnel) up to the vertical shaft and underground power station.
5. Construction of an underground power station.
6. Tail race Tunnel from the power station up to Alicota Ara.
7. Construction of New Tank/ Reservoirs, Canals and associated structures.
8. Augmentation of capacities of existing Tank/ Reservoirs, Canal System and associated structures in the Kirindi Oya Basin to cater for the demand.

Progress as at the end of 2009

1. Addendum to the Contract Agreement signed between Ministry of Irrigation and Water Management and Farab Company of Iran on 22-02-2009
2. Opened Documentary Credit in favour of Farab Company through Bank of Ceylon on 27-03-2009
3. Payment of administration fees of the Financing Facility by GOSL on 01-06-2009
4. Receipt of Performance Guarantee and Advance Payment Guarantee from Farab Co. on 01-09-2009
5. Payment of 1st installment of insurance premium and 10% advance payment to EDBI on 16-10-2009
6. Finalization and signing of Escrow Account Agreement on 05-11-2009.
7. Hydrological & Meteorological studies : Completed
8. Geological investigations at Puhulpola dam site : Completed
9. Geological investigations along the tunnel Connecting the two reservoirs : In Progress

- | | |
|---|---------------|
| 10. Engineering surveys of Puhulpola reservoir bed | : In Progress |
| 11. Engineering surveys of the Road Deviation
(Part of NuwaraEliya – Badulla Road) | : In Progress |
| 12. Selection of different sites (Camp sites, construction site, workshops, dormitories, dumping sites, quarry sites, etc.) | : In Progress |
| 13. Environment Impact Assessment Study | : In Progress |
| 14. Socio Economic Survey at Puhulpola Reservoir site. | : In Progress |
| 15. Socio Economic Survey at Dyraaba Reservoir site. | : In Progress |
| 16. Establishment of Project Director’s Office in Colombo. | : Performed |

7. Implementation of Mahinda Chinthana Proposals

The Ministry of Irrigation and Water Resources Management and its implementing agencies have incorporated several initiatives to fulfill the Mahinda Chinthana toward a new Sri Lanka policies and proposals.

Development of Water Resources of the country which is one of most important resources we possess, ensuring the ownership of this valuable resources for the benefit of the people of this country, and presentation of a National Irrigation Plan where main rivers, regional tanks, anicuts and water streams in villages will be connected, and transformation of dry lands in the north, south, east, and west into fertile agricultural lands, are among the main policies, projects, and programmes included these proposals. While the strategies adopted will focus on these activities, support is extended to other implementation agencies to complete the 10000 tank systems and projects in Mahaweli areas.

Items taken up to fulfill these objectives include:

- a) Preparation of National Irrigation Plan (NIP)
- b) Implementation of multipurpose irrigation schemes
(DeduruOya, KumbukkanOya, Moragahakanda, Uma Oya, Menik Ganga, Yan Oya, HadaOya, Kekiriobada Reservoir Project, Gin Nilwala Diversion)
- c) Rehabilitating the irrigation system in the Uva – Wellassa region.
- d) Implementation of programmes to ensure state ownership of water

a) Preparation of National Irrigation Plan (NIP)

1. Expected final output is the preparation of a National Irrigation Plan (NIP) as per MahindaChinthana proposals, in order to achieve the objectives stipulated therein. It is described as a plan where the main rivers, regional tanks, anicuts and streams in villages will be connected; and dry lands in the North, South, East and West will be transformed into fertile agricultural lands.

2. The plan will be prepared in a manner that it will guide and steer the formulation and implementation of projects and programmes as per adapted policies and principles by the application of appropriate strategies to achieve these ends, it will also facilitate the preparation of the enabling environment for same by overcoming the issues and constraints facing the sub sector. It will be related and consistent with sector goals and targets, objective and overall national development efforts in agricultural renaissance, and as reflected in the 10 year Horizon Development Framework, while embracing the on - going programmes into the total effort.
3. The preparation and adaptation of this plan and implementation of some of the components in the plan and carrying them forward are parallel and on – going processes. It is an open ended subject in this context. The planning and preparation work has been sub divided into two stages, both due to their magnitude and the necessity to harmonize them with the on – going works.

Stage 1 – Inception Phase (assessments / scope)

Activity Schedule

1. Policy and Legislation
 1. a. Irrigation Policy preparation and adaptation
 1. b. Irrigation Ordinance
2. Collection of data and Information
3. Projection of (sector) targets, goals and objective and their refinement to fall in line with National Goals.
4. Institutional Assessment for creating an enabling environment, capacity building and reform proposals.
5. Scope and Gateway to NIP. (Documentation, Inception and Consultation)

Stage 11 – Completion Phase

Activity Schedule

1. Productivity Enhancement Plan
 1. a. Small (Village) Systems
 1. b. Mahaweli Systems
 1. c. Other Major / Medium Systems
 1. d. Technological Advancements including R & D
2. National Food and Drainage Plan
(Includes Feasibility Studies for selected priorities)

3. Expansion of Irrigation sub sector with new ventures including project identification, conceptualization and feasibility studies for selected priorities.
Regional and National level projects for land and water use adopting Integrated Water Resources Management principles and river basin plans.
Surface and ground water conjunctive use.
(This actively includes resources assessment and inputs from National Water Resources Master Plan under DSWRPP)
 3. a. Projections for next 25 – 30 years.
 3. b. Initiate and carry out pre-feasibility and F.S. for selected projects.
4. Scheduling and lineup of projects and programmes.
(Determination of selection criteria, priorities and justification)
5. Implementation strategies
(Including institutional capacity building and reforms proposals, Resources requirements and Investments Plan)

While some of the activities in the two phases are to run concurrently, 30% progress was achieved at end of the year.

b) Implementation of multipurpose irrigation schemes

DeduruOya Reservoir, Kekiriobada Reservoir, Uma Oya and Menik Ganga are multipurpose irrigation schemes being implemented during the year. Uma Oya Diversion Project foreign funded projects over billion rupees. Menik Ganga project has been completed during the year. (Details of performance are available in section 7 and 11)

c) Rehabilitating the irrigation system in the Uva – Wellassa region

Lower Uva Minor Medium Irrigation Project (LUMP) works include construction of one medium tank and another 22 minor tanks. (See details in section 11; annexure 1 – item 6)

d) Implementation of programmes to ensure state ownership of water

Special activities have been initiated under the water management programmes of the ministry and its institutions to cultivate public awareness regarding the value of water and our irrigation heritage. This will solicit public partnership to protect the water resources with the patronage and custodianship of the state.

In addition to developing appropriate policies and adopting policy frame work to achieve this end in the preparation of the National Irrigation Plan, together with support and inputs from DSWRPP – component 1, Water resources master plan, the following activities have been identified so as to ensure creation of an enabling environment. Some of them are incorporated in the Nil Diyawara Kethyayata Programme of the Ministry are as follows.

1. Wari Desathiya Programme
2. Announcing 15 major tank as National Heritage.
3. Formation of clean water sources
4. Formation of an information Centre and media unit
5. Development of school curriculum
6. Formation of an Irrigation Museum.
7. Irrigation Cultural Show.

This is an ongoing programme and activities related to some of the items namely; Wari Desathiya Programme, Clean water sources and support to school curriculum have been carried out during the year.

IMPLEMENTATION OF MAHINDA CHINTHANA PROPOSALS

Progress Report

01.01.2006 to 31.12.2009

MINISTRY: MINISTRY OF IRRIGATION AND WATER RESOURCES MANAGEMENT

1	2	3	4					5	6	7	8	
S/No	Objective (i.e. proposal in the Mahinda Chinthana) (with page and para)	Final target (i.e. expected final output of each proposal by end 2011)	Status of implementation					Progress where implementation has commenced and is ongoing (i.e. where status is "CO" in Column 4)			Issues (Please indicate reasons for delays, non-commencement, suspension and/or other constraints)	
			C	CO	CCA	S	NC	Cumulative progress as at 31.12.2009 (as a % of the total work to achieve final target)	Date by when implementation will be completed	Status		
										On Schedule		Behind Schedule
1	Preparation of a National Irrigation Plan 43/iii (stage1)	National Irrigation Plan		1				30	31.12.2010	1		Being a long term process has been sub divided into two stages
2	Implementation of a multi-purpose irrigation scheme 43/iv											
	1. Deduru Oya	Water for 11,000 Ha		1				25	31.12.2012		1	Imprest, Land Acquisition & Resettlement
	2. Rambukkan Oya	Water for 1,400 Ha		1				28	31.12.2010		1	Imprest, Field Staff, Land Acquisition, Procurement Machinery
	3. Uma Oya	Water for 5,000 Ha, 312GWH Power		1				1	31.12.2015		1	Loan agreement
	4. Menik Ganga	Water for 5,000 Ha	1					100	Completed	1		
	5. Yan Oya	Water for 4,900 Ha		1				0	31.12.2014		1	Detailed Design, Security problems
	6. Heda Oya	Water for 6,000 Ha				1		0	31.12.2015		1	Objections from people and political authority
	7. Kirama Oya	Water for 5,500 Ha		1				90	31.07.2010	1		
	8. Urawa (Gin – Nilwala Diversion)	Flood protection for 10,000 Ha				1		0	31.12.2015		1	Funding
3	Rehabilitating the irrigation system in the Uva-Wellassa region 84/iii	Water for 1,000 Ha		1				12	31.12.2010		1	Security, Land Acquisition
4	Implementation of programmes to ensure State ownership of water 59/v	Safe guarding legitimate water rights			1			25			1	Funding

Please insert “1” in the appropriate column

C : Completed

Co : Commenced and ongoing with a date for completion applicable (eg. Construction of a road, formulation of a national policy, introduction of a law, grant of tax relief, rectification of an anomaly)

CCA : Commenced and ongoing as a continuing activity with no terminal date for completion (eg. Providing a free mid-day meal for school children, providing counseling services for women victims of violence, promoting sustainable development in close harmony with nature, preparing children to meet situations of disaster, providing expectant mothers with a basket of nutritional food items, enriching the lives of people through the arts and culture)

S : Suspended (after commencement)

NC : not commenced

8. Mega Projects identified in 2009 to be implemented under foreign funding.

❖ Development of Water Resources of Kalu Ganga Basin including Flood Protection.

The Memorandum of Understanding (MOU) between Government of Sri Lanka (GOSL) and an Israel Company TAHAL Consulting Engineers Ltd. to conduct a feasibility study was signed in January 2009. The executing part of the project is to be carried out by the Ministry of Irrigation and Water Management on behalf of the GOSL.

TAHAL Consulting Engineers Ltd perceives the work on Kalu Ganga in three phases.

- Phase I - Conducting a full feasibility study on the Rathnapura Dam as a prelude to the construction of the Multipurpose Rathnapura Flood Protection and Hydro Power Dam.
- Phase II - Installation and calibration of the Flood Protection Management Model including all required field surveys.
- Phase III - A fully feasibility study on the Entire Water Resources Development of the Kalu Ganga Basin.

TAHAL Group has presented Technical Proposal and Financial Proposal covering Phase I and II during 2009.

Estimated Cost - US \$ 6647000 (excluding local taxes)

Funding Agency - Export Credit Agency in Israel.

- ❖ 06 other mega projects identified and where planning studies have been taken up to establish feasibility includes :

Gin – Nilwala Basins Flood Control and Transbasin Diversions Malwathu Oya Reservoir.

9. Performance of the Priority Trust Area

Institutionalizing “Managing for Development Results” (MFDR)

The Ministry has developed an Agency Results Frame Work (ARF) with the assistance from the Ministry of Plan Implementation to initialize Managing for Development Results to enhance the performances of the Ministry. In this regard, four (4) priority thrust areas have been taken into consideration after identification of the goals of the Ministry. Several Key Performance Indicator (KPI) have been adopted within these thrust areas. Year 2008 has been taken as the base line year and targets have been identified ahead for eight years up to 2016.

The details of the priority thrust areas and performance indicators are given in the annexed schedule.

Projected targets are in keeping with the Mahinda Chinthana 10 year horizon development proposals sectoral targets – as regards the objectives of the sector, development thrust and vision for the future. They embrace strategies and interventions under projects and programmes for increasing storage capacity, water productivity, effective operation and maintenance, modern and improved methods of irrigation, crop diversification, promoting viable farmer organizations and other related activities in this field.

Ministry of Irrigation and Water Resources Management – Ministry Result Framework

Priority Thrust Area	Outcome / Output Indicator	Baseline 2008		2009	2010	2011	2012
Agricultural production and living standard of water users	1) Irrigated highland areas practicing modern irrigation methods	0	Target	0	1%	2%	2%
			Performance	0			
	2) Increase of extent of diversified in cropping patterns in irrigated lands	8188	Target	10,907	13,647	16,376	16,376
			Performance	11,308			
	3) % increase of water productivity in major / medium irrigation schemes	270g of Paddy for ICM of Water	Target	4%	7%	6%	15%
			Performance	5%			
	4) % increase of viable farmer organizations established in the major irrigation schemes	1787	Target	5.50%	7%	8%	10%
			Performance	5.5%			
	5) No. of feasibility studies conducted for large scale water resources development projects including trans basin diversions.	3	Target	3	3	4	2
			Performance	3		-	
6) Increase irrigated crop yield – medium irrigation schemes	3.5 MT/Ha	Target	4	4	4.2	4.5	
		Performance	4.3				
7) Irrigated crop yield in major irrigation schemes	4.7 MT/Ha	Target	5	5.4	6	6	
		Performance	5.1				
8) Increased irrigable area	387 Ha	Target	692	2257	6468	6672	
		Performance	692				
9) Increase of cropping intensity in major irrigation schemes	1.7	Target	1.7	1.7	1.8	1.8	
		Performance	1.6				
10) Increase of cropping intensity in medium irrigation schemes	1.5	Target	1.5	1.5	1.5	1.5	
		Performance	1.3				
Operation and maintenance of irrigation, drainage and flood protection	1) % reduction of crop damage due to floods and drainage problems	2%	Target	2%	2%	2%	2%
			Performance	1%			
	2) % of crop damaged area due to shortage of water	2%	Target	2%	1.7%	1.5%	1.5
			Performance	3%			
Institutional capacity development	1) Capital budget utilization index	67.5%	Target	80%	100%	100%	100%
			Performance	86%			
	2) No. of farmer complaints received	200	Target	180	150	150	100
			Performance	180			
Construction and Consultancy services	1) Total Revenue in Construction	3867 Rs. Mn.	Target	4000	4200	4400	4500
			Performance	7764			
	2) Total Revenue in consultancy	329 Rs. Mn	Target	380	400	425	460
			Performance	338			
	3) % of Projects Completed in Time in Construction	85%	Target	85%	88%	90%	92%
			Performance	95%			
	4) % of Projects Completed in Time in Consultancy	90%	Target	90%	92%	94%	96%
			Performance	98%			
	5) No of Joint Venture with Foreign Consultancy Firms	1	Target	2	2	2	3
			Performance	1			

10. Main Institutions under the Ministry

A brief description of the institutions under the Ministry and highlights of their performance during the year 2009 are given below.

- 10. a. Irrigation Department (ID)
- 10. b. Water Resources Board (WRB)
- 10. c. Central Engineering Consulting Bureau (CECB)

10. a). Irrigation Department

Introduction

The Irrigation Department formed in 1900 is a Government Department, subject to the control and direction of the Minister in charge of the subject of Irrigation. The Ministry to which the Irrigation Department is assigned exercises the control and direction on behalf of the Minister. The Irrigation Department implements the policies and programmes of the Ministry as per assigned functions in Irrigation, Drainage, Flood Control and Salt Water Exclusion activities. It is the premier organization in the sector with wide experience in these subjects.

Objectives

The main objectives of the Irrigation Department are as follows.

- a. Development of land and water resources for Irrigated Agriculture, Hydropower, Flood Control, Domestic Usage, Industrial Usage and Aquaculture development.
- b. Provision of Irrigation and Drainage facilities for cultivable lands in irrigation and Drainage Projects.
- c. Alleviation of poverty of the rural farming community by increasing their farm income and raising their standard of living.
- d. Management of Water for sustainable Agriculture.
- e. Productivity enhancement of Land and water in Major / Medium Irrigation Schemes.
- f. Integrated water resources management and participatory management in Major / Medium Irrigation Systems.

Major and Medium Irrigation Projects and major improvement items implemented during the year under the capital development programme activities are as follows.

<u>Name of Scheme</u>	<u>District</u>
▪ Deduru Oya Reservoir	- Kurunegala
▪ Menik Ganga Reservoir	- Hambantota
▪ Rambukkan Oya Reservoir	- Ampara
▪ Lower Uva	- Moneragala
▪ Ellapothana	- Anuradhapura
▪ Gal Oya Navodaya	- Ampara
▪ Essential Rehabilitation in Selected Major Irrigation Schemes	- All Districts
▪ Muthukellawa	- Moneragala
▪ Wemedilla	- Matale
▪ Kekiriobada	- Hambantota
▪ Janaranjana Wewa	- Trincomalee
▪ Gurugal Oya	- NuwaraEliya, Kandy
▪ Sugaladevi Wewa	- Moneragala
▪ Centenary Irrigation Accelerated Development Programme (CIADP)	- All District
▪ Hekitta Minor Flood Protection Scheme	- Colombo
▪ Wahalkada	- Anuradhapura
▪ Kirampunchennai Anicut	- Baticloa
▪ Minipe Main Canal	- Kandy
▪ Ural Oya	- Gampaha
▪ Ella Wewa Amuna	- Rathnapura
▪ Hettige Ella	- Colombo

Centenary Irrigation Accelerated – Development Programme (CIADP), Janaranja Wewa, and Wahalkada rehabilitation works have been completed during the year. Though there was a budgetary allocation for the Hekitta MFP Scheme, the work could not be started due to unavailability of machinery for bored pile driving.

Planning and design works have been taken up for other medium scale projects including Lower Uva Development, Nakkala Reservoir and Per Aru and Kal Aru tanks in the North - East zone.

A brief description of major and medium projects under capital development activities undertaken by the Irrigation Department and their Progress as at end of the year are given in Annexure – 1.

10.b). Water Resources Board (WRB)

Established in 1966 the WRB, collects data and information on Water Resources for advisory purpose, and undertakes Hydro geological investigation and Groundwater development projects. This institution has developed capacity to handle ground water resources development.

A list of items and Summary of Consolidated Generated Fund performance in 2009 are given in Annexure – 11.

10.c). Central Engineering Consultancy Bureau (CECB)**1 Background**

The Central Engineering Consultancy Bureau (CECB) is a Statutory Body established under the State Industrial Corporations Act No. 49 of 1957, giving special attention to provide multi – disciplinary consultancy services for state sector development projects.

2 The Specific objectives of the Bureau identified in 1973 are as follows;

- To provide knowledge on construction and supervision of engineering projects.
- To facilitate to carry out the research and training in the Engineering field to promote and enhance capabilities of the engineering and technical personnel required for enhance capabilities of the engineering and technical personnel required for such purposes.
- To provide consultation to the government on engineering consultations of Multi – purpose irrigation projects, Highways and Power Generations, introduction of Flood controls engineering systems, water supply and drainage mechanisms.
- To plan, design, and estimate of mega projects such as irrigation, water supply, drainage, power generation, irrigation, flood management and disaster management including dam safety.

3 The above objectives further expanded by the government in 1995 as per the development requirements of the country.

- Formation of joint ventures and limited liability companies to provide Engineering and Architectural consultancy services.
- Undertake engineering projects on design built to Turnkey basis.
- Invest on BOT and BOO projects and other similar projects.
-

.4 Strategically, The Bureau is prepared to undertake development challenges

in accordance with the changes of social, economic and political situation in the country. Since its inception, CECB has grown and expanded to become the largest Engineering establishment among the public sector organizations of Sri Lanka by way of applying flexible strategies to suit the country's requirements.

The main area of the Bureau was engineering consultancy. The consultancy area contributed 80% of its turnover till 1994. With the commencement of construction Division it was observed that turnover exceeds up to the level of 90%.

A summary of physical performance, income and expenditure, Revenue of the Bureau are given in Annexure – III.

Projects and Progress of major and medium items – Irrigation Department

1. Deduru Oya Reservoir Project.

Deduru Oya and Me Oya are two adjacent river basins located in North Western Province. More than 80% of the water resources of Mi Oya basin is developed while much of water resources in Deduru Oya is yet to be developed. Deduru Oya basin lands are almost fully developed while Mi Oya basin lands are yet to be developed specially in the lower catchment. Therefore, it is planned to exploit the Deduru Oya water resources in improving the productivity of existing agricultural lands under minor irrigation schemes and to develop new lands in Mi Oya and Deduru Oya basins. Deduru Oya is the fourth largest river in Sri Lanka.

The Project envisages construction of a Reservoir across Deduru Oya, 300 m upstream of existing RediBendi Ella. Dam type is homogeneous earth fill dam.

During this year Construction of Main bund, L.B. Sluice, R. B. Sluice and L.B. Main canal being carried out. Part of resettlement programme also completed.

LB sluice construction in progress



Gross storage	- 75 MCM
Dam Type	- Homogeneous Earth Fill
Length of Dam	- 1900 m
Spill way	- Radial gated
Sluices	- Concrete Tower
Length of LB main canal	- 45 km
RB Trans basin canal	- 32 km
Other Canals	- 200 km
The proposed project period	- 2005 to 2012
Estimated Cost	- Rs. 6,200 Million
Extent benefited	- 11,000 ha
Benefited farmer families	- 11,000
Allocation for year 2009	- Rs. 700 Million

Expenditure up to 31 Dec 2008	- Rs. 698.94 Million
Expenditure from Jan. to end of Dec. 2009	- Rs. 699.95 Million
Financial progress from Jan. to end of Dec. 2009	- 99%
Overall Financial Progress	- 22.56%
Overall Physical Progress	- 25%

2. Weheragala Reservoir Project (Menik Ganga Reservoir)

Menik Ganga is one of the major rivers of southern quadrant of the Island. This basin is the one of the latest developed river basins in Sri Lanka and more than 50% land is undeveloped. In Menik Ganga basin there is no major storage reservoirs across Menik Ganga and only few anicuts are available.

In the adjoining Kirindi Oya basin, it has a catchment area of 1,178 sq km and most of the water in this river regulated at Lunugamwehera reservoir, which has a capacity of 222 MCM from the total annual average flow of 240 MCM in Kirindi Oya very little amount of water escapes to the sea. This reservoir suffers due to shortage of water and there is an annual deficit of about 100 MCM of water to cultivate 10,000 Ha of agriculture lands. The project envisages regulating about 80% of water available in Menik Ganga at Weheragala by constructing an environmental friendly reservoir with a water way conveying about 64 MCM of regulated water to water deficit Kirindi Oya basin while releasing about 30 MCM of regulated water down Menik Ganga Project is almost completed. Only the balance work to be done under environmental component.



Gross storage	- 75 MCM
Dam Type	- Homogeneous Earth Fill
Length of Dam	- 2031 m
Spill way	- Radial gated
Sluices	- Concrete Tower
Length main canal	- 22.35 km
The proposed project period	- 2005 to 2010
Estimated Cost	- Rs 2,900 Million
Extent benefited	- 5,000 ha
Benefited farmer families	- 5,000
Allocation for year 2009	- Rs 150 Million

Expenditure up to 31 Dec 2008	- Rs 1710.31 Million
Expenditure from Jan. to end of Dec. 2009	- Rs 131.03 Million
Financial progress from Jan. to end of Dec. 2009	- 87.35 %
Overall Financial Progress	- 63.49 %
Overall Physical Progress	- 100%

3. Rambukkan Oya Reservoir Project.

Proposed Rambukkan Oya Reservoir and Irrigable Area of the project is located in the Mundeni Aru river basin in Ampara District in the Eastern Province. The scheme is sited at Watawalakandiya across the RambukkanOya. The tank bund across the RambukkanOya is situated at midway between Pollebedda and Kurunduwinna villages in Bintenne Pattu North in Ampara District.

The area is presently sparsely settled and lack of Schools, health services and other civic amenities. Presently less than one percent of the land area is utilized and the people practice slashes and burn rain fed agriculture. About 2000 landless families have been proposed to be settled under the proposed scheme. The construction of earthen dam, tower sluices and spillway and land settlements to be undertaken under hits project.

Resettlement aspects of the project will include training of farmers in irrigated agriculture, development of communities and provision of health services and schools.



Construction of earthen bund including U.S and D/S protection, Sluice, Radial Gated Spillway are in progress. Conveyance System is in the design stage.

Gross storage	- 75 MCM
Dam Type	- Homogeneous Earth Fill
Length of Dam	- 1097 m
Spill way	- Radial gated
Sluices	- Concrete Tower
Length of Main Canal	- 7.6 km
Length of LB branch canal	- 4.6 km
Length of RB branch canal	- 22.8 km
Length of D & F canals	- 50 km
The proposed project period	- 2006 to 2010

Estimated Cost	- Rs 2,500 Million
Extent benefited	- 1,400 ha
Benefited farmer families	- 2,000
Allocation for year 2009	- Rs 390 Million
Expenditure up to 31 Dec 2008	- Rs 328.1 Million
Expenditure from Jan. to end of Dec. 2009	- Rs 348.44 Million
Financial progress from Jan. to end of Dec. 2009	- 89.34%
Overall Financial Progress	- 27.06%
Overall Physical Progress	- 28%

4. Hedaya Reservoir Project

The Project envisages construction of Heda Oya reservoir and two other tanks in Moneragala District. Heda Oya Reservoir will provide irrigation water to 5200 ha in Ampara District and other two tanks provide irrigation water 400 ha Moneragala District, Heda Oya Reservoir will provide drinking water to Siyambalanduwa, Lahugala, Pothuwil and panama and infrastructure facilities like roads, public buildings etc.

Implementation of the project is held up due to failure in coming into an agreement with the people and political authorities of the area with respect to head works parameters.

The proposed project period	- 2007 to 2012
Estimated Cost	- R. 4,250 Million
Extent benefited	- 6,270 ha
Benefited farmer families	- 5,000
Allocation for year 2009	- Nil
Expenditure up to 31 Dec 2008	- Rs 1.67 Million
Expenditure from Jan. to end of Dec. 2009	- Nil
Financial progress up to end of Dec. 2009	- Nil
Overall Financial Progress	- 0.04%

5. Yan Oya Project

It is proposed to construct a dam across Yan Oya at Pangurugaswewa in Trincomalee District upstream of existing Yan Oya anicut. The project envisages constructing about 3.0 km long earthen dam and 35 km long canal system in LB and RB to irrigate 4,925 ha of lands in Anuradhapura and Trincomalee Districts. This includes 2,200 ha of existing land under Padaviya scheme where now faces severe water

deficit of during Yala. This will also provide water to 140 ha existing lands under Wahalkada scheme and 100 ha new lands along LB canal and existing lands under Yan Oya anicut (750 ha) and minor schemes in Mi Oya basin (1,735 ha) in Trincomalee District.

Due to security situation prevailed in the area Survey Department has not taken action to commence the surveys. However EIA process is in progress.

The proposed project period	- 2007 to 2012
Estimated Cost	- Rs 8,700 Million
Extent benefited	- 4,925 ha
Benefited farmer families	- 7,000
Allocation for year 2009	- Nil
Expenditure up to 31 Dec 2008	- Rs 3.13 Million
Expenditure from Jan. to end of Dec. 2009	- Nil
Financial progress up to end of Dec. 2009	- Nil
Overall Financial Progress	- 0.04%

6. Lower Uva Minor / Medium Irrigation Project (LUMP)

It is proposed to augment one medium tank namely Debara Ara Wewa in Wellawaya Divisional Secretary Division and about 22 minor tanks including Gal Wewa, Kolombawatta Wewa, Watagala Ara Wewa and Uruhore Wewa by extending the feeder canal from Ussallaanicut to Balaharuwa Tank and constructing new feeder canal from Balaharuwa Tank and constructing new feeder canal from Balaharuwa Tank to Debara Ara Wewa.

No of Items Planned in 2009

Continuation Items	- 04
New Items	- 05
The proposed project period	- 2007 to 2010
Estimated Cost	- Rs 550 Million
Allocation for year 2009	- 30.41 Million
Expenditure up to 31 Dec 2008	- Rs 9.67 Million
Expenditure from Jan. to end of Dec. 2009	- 30.41 Million
Financial progress up to end of Dec. 2009	- 100%
Overall Financial Progress	- 7.29%
Overall Physical Progress	- 12%

7. Drip Irrigation Project in Lunugamwehera Scheme

To introduce and use drip irrigation technique it was decided to launch a “Pilot Project”. Conventional methods utilize more water. There is scarcity for water in many areas. Drip Irrigation technique is the most suitable alternative which utilizes less water.

For this pilot” Lunugamwehera” Scheme in Hambantota was selected. Under Lunugamwehera LB main channel Ranminitenna area was selected to implement this Project. Hambantota District is more of the driest areas in our country. Initially 2 Lots of 2 acres will be developed. Water collecting tanks will be constructed along the main channel. After installing drip System in the lands water will be supplied by

water pumps. An allocation of Rs. 7.47 Million was made available in year 2009 and the construction works are in progress.

8. Ellapothana Anicut Scheme

This proposal includes constructions of an anicut across Yan Oya about 24 km down stream of existing Illukwewa anicut. It also includes augmentation of the existing tanks on both LB and RN sides of the Yan Oya River. In the LB canal it is proposed to augment Wedigawewa, Elapatwewa, Wilewewa, Kudawewa and Thirappnakadawala wewa. In the RB canal it is proposed to augment Ellapothana – Siyambalawewa and Wahagahapuwewa and to be constructed along the existing Yoda Ela which is now in completely abandoned state. The total area to be benefited by this proposed scheme is 625 Ha. Construction works of access road LB, RB canals & anicut structure are in progress.

The proposed project period	-2006 to 2010
Estimated cost	- Rs. 300Million
Extend benefited	- 628 ha
Benefited farmer families	-1,038
Allocation for year 2009	-Rs.31.5Million
Expenditure up to 31 December 2008	-Rs. 10.55. Million
Expenditure from Jan. to End of Dec. 2009	- Rs. 31.28 Million
Financial progress from Jan to end of Dec. 2009	-99%
Overall Financial Progress	-13.94%
Overall Physical Progress	-17%

9. Gal OyaNavodaya

The Project activities include the following main components.

- A Comprehensive Water Resources Development and Irrigation Plan, which will harness unutilized potential and increase efficiencies in the usage of water.
- A productivity Enhancement Program was in order to generate more income from Irrigated Agriculture
- Improving and upgrading the Physical Infrastructure to serve the people: roads, water supply, sanitation, education etc.
- Harnessing the potential for Agro-based industries including Post harvest Activity, for value addition, and Enterprises development.

Ultimate aims and objectives of the Programme will be in come generation, upliftment of living standards, more employment, social harmony and contribution to Regional and National Growth. Evolving a suitable model for future prosperity with a broad vision will be one of the main goals.

The project will be implemented in 2 stages. In the first stage, priority items will be taken up on a year investment plan and implementation schedule. Second stage will extend to a further period 2-3 years, with larger undertakings.

Total project period	- 2008 - 2010
The project Cost	- Rs 1,260Million
Allocation for year 2009	- Rs 38.3 Million
Expenditure up to Dec. 2008	- Rs 9.64 Million
Expenditure up to Dec. 2009	- Rs 38.29 Million
Overall Financial Progress	- 3.8%
Overall Physical Progress	- 8%

10. Essential Rehabilitation in Selected Major Irrigation Schemes

The main objectives of this project are to stabilize and increase agricultural production in some selected major schemes by rehabilitating the essential components of the downstream canal system. (Mainly D - channels, and Field channels)

It is proposed to select about 25 major Irrigation schemes, Island wide, based on an approved selection criteria for carrying out essential rehabilitation works serving about 8,000 ha of existing and abandoned Irrigable lands.

Total Estimated cost	- Rs 1000 Million
Project period	-2009 to 2012
Allocation for year 2009	-Rs 14.40 Million
Expenditure up to Dec 2009	-Rs 11.3 Million
Financial Progress from Jan. to end of Dec.	-Rs 78.47 Million

11. Muthukeliyawa Anicut Extension

This anicut is located at upstream of Buttala Anicut in a tributary of Menik Ganga. There is a feeder canal 5 km long to feed Kongaha Wewa presently cultivate 100 Ha.

Under this project it is proposed to improve and feed a series of 7 minor tanks. A supply canal from Kongaswewa feed Serugan Aru Wewa on the way to existing Raja Ela.

Another supply canal from existing Karawilakanatta Wewa, feeds few tanks and end up at Thammannaara wewa. The additional water can increase cropping intensity of the above tank up to 200% and additional area of 100 ha can be brought under irrigated agriculture.



The proposed project period	-2004 to 2010
Estimated cost	- Rs 77 Million
Extend benefited	- 200 ha
Benefited farmer families	-220
Allocation for year 2009	-Rs 4 Million
Expenditure up to 31 December 2008	-Rs 61.56Million
Expenditure from Jan. to End of Dec. 2009	- Rs 3.16Million
Financial progress from Jan to end of Dec. 2009	- 78.93%
Overall Financial Progress	- 84.07%
Overall Physical Progress	- 80%

12. Wemedilla Reservoir – Kandy District

It was proposed to construct a reservoir with a capacity of 4593.65 Ac.ft across Welamitiyawa Oya, which is a tributary of Dambulu Oya. This proposed project will benefit 291 ha of new land and 462 ha of existing lands, including the lands along the supply canal. Works are almost completed.



The proposed project period	-2004 - 2010
Estimated cost	- Rs 300Million
Extend benefited	- 720 ha
Allocation for year 2009	-Rs.17.57Million
Expenditure up to 31 December 2008	-Rs 224.83Million
Expenditure from Jan. to End of Dec. 2009	- Rs 16.94Million
Financial progress from Jan to end of Dec. 2009	-96%
Overall Financial Progress	- 80.6%
Overall Physical Progress	- 99%

13. Kekirioboda Reservoir Project

It is proposed to construct a reservoir of capacity 2.7 MCM at Kekiriobada in Walasmulla Divisional Secretariat Division in Hambantota District. The project will provide irrigation facilities for 708 ha of cultivable lands in Kirama Oya Scheme and enhance the existing water supply schemes for the Tangalle, Walasmulla and Kirama townships by providing 0.9 MCM water annually.

More than 87% of construction of morning glory spill cum sluice has been completed. Construction of bund work is nearing completion.



The proposed project period	-2004 to 2010
Estimated cost	- Rs.445Million
Extend benefited	- 5,535 ha
Allocation for year 2009	-Rs.103.22Million
Expenditure up to 31 December 2008	-Rs.251.07Million
Expenditure from Jan. to End of Dec. 2009	- Rs.103.22Million
Overall Financial Progress	-79.61%
Overall Physical Progress	- 90%

14. Janaranjana Wewa

The project is to restore an abandoned tank to benefit 325 ha. This tank was abandoned in 1978 due to disturbances of ethnic conflict. The total estimated cost is Rs.53 Million. The restoration commenced in 2005. Project was completed in 2009.



The proposed project period	-2004 - 2009
Estimated cost	- Rs. 53Million
Extend benefited	- 325 ha
Benefited farmer families	- 220
Allocation for the year 2009	-Rs.15.5 Million
Expenditure up to end of December 2008	-Rs. 37.06Million
Expenditure from Jan. to End of Dec. 2009	- Rs. 14.94Million
Financial progress from Jan to end of Dec. 2009	-96.34%
Overall Financial Progress	- 98%
Overall Physical Progress	- 100%

15. Gurugal Oya Irrigation Project

In the Gurugal Oya Reservoir it is proposed to augment the main canal of Murapola Ela Scheme. Murapola Ela is the second biggest major irrigation scheme in Kandy District situated on the cold climates of Hewahata electorate.

The proposed project period	-2008 to 2010
Estimated cost	- Rs. 400Million
Extend benefited	- 810 ha
Benefited farmer families	- 2,400
Allocation for year 2009	-Rs.11.73Million
Expenditure from Jan. to End of Dec. 2009	- Rs 11.48Million
Financial progress from Jan to end of Dec. 2009	-98%
Overall Financial Progress	- 4.92%
Overall Physical Progress	- 7%

16. Restoration of Sugaladevi Wewa – Monaragala District

Sugala Devi wewa is an ancient breached tank located across Govindu Oya in Karada Oya river basin in Siyabalanduwa Divisional Secretary area in Monaragala District. Proposal was to restore an abandoned tank to benefit 304 ha.

Almost all main components of the works completed except few canals in tail end.

The proposed project period	-2001 to 2010
Estimated cost	- Rs 119Million
Extend benefited	- 304 ha
Benefited farmer families	- 800
Allocation for year 2009	-Rs.18Million
Expenditure up to 31 December 2008	-Rs 100.43Million
Expenditure from Jan. to End of Dec. 2009	- Rs 15.44Million
Financial progress from Jan to end of Dec. 2009	-85.8%
Overall Financial Progress	- 97.37%
Overall Physical Progress	- 99%

17. Rehabilitation of Irrigation Schemes (ISRP)

The Project, which is entirely funded by the National Budget, was proposed in line with the government aims of in an irrigated agriculture and improving the livelihoods of farming community, sustaining and enhancing efficiency and productivity starting in the year 2000, 57 major and medium schemes in 16 Districts benefitting an extent of around 53,131 Ha. Have been included under the project.

The proposed project period	-2000 to 2010
Estimated cost	- Rs 836 Million
Extend benefited	- 50,131 ha
Benefited farmer families	- 52,803
Allocation for year 2009	-Rs.51 Million
Expenditure up to 31 December 2008	-Rs 380.22Million
Expenditure from Jan. to End of Dec. 2009	- Rs 46.67 Million
Financial progress from Jan to end of Dec. 2009	-91.5%
Overall Financial Progress up to 30 th of Dec. 2009	-51%
Work being done in 2009	- in 30 schemes under 78 items

Annexure 11**List of items and performance of WRB****Performances of activities through Consolidated Fund**

Activities	Physical	Financial (Rs. in Million)
1. Study of impact of water in the spread of Kidney disease in dry zone (Water clinic)	11	0.440
2. Awareness programs above water borne Health hazard at Korakahawewa Research & Training Centre	09	2.556
3. Study of groundwater development problems Hand Pump tube well in Eastern province	-	6.868
4. Repairs of vehicles	3	0.611
5. Procurement of office Equipment	1	0.090
6. Buildings improvement	1	0.063
7. IT capacity improvement	-	0.065
8. Staff Training Programme	-	0.279
9. Repairs of rigs (4Nos) and Air compressors (2Nos) and Procurement of spare parts	6	2.000
10. Payment of salaries for staff (Treasury grant contribution)	-	<u>62.000</u>
TOTAL		<u><u>74.972</u></u>

Performances of activities through Generated fund

Activities	Physical (Nos)	Financial (Rs. in Million)
1. Hydro geological Investigations	126	3.573
2. Construction of Tube Wells	72	13.992
3. Supply and installation of Hand Pumps	6	1.019
4. Hand Pump Rehabilitation Programmes in Monaragala District	220	12.303
5. Pump Tests	18	1.860
6. Chemical / Bacteriological Analysis	393	1.247
7. Installation of Wind Mills	3	0.609
8. Hydro geological studies on ponds monitoring and cleaning of Water bodies	-	0.657
9. Artificial groundwater recharge project at Katunayake	-	4.915
10. Waste water treatment and water management consultancy for Zoological Garden, Dehiwela (paid for preliminary investigation only. Detail project proposal is being prepared)	-	0.234
11. Supply and installation of submersible pumps	4	1.552
12. NECORD Project (Water Supply System)	2	1.420

13. Treatment plant income	2	0.643
14. Uthuru Wasanthaya Project (Dug Well Cleaning)	654	17.594
15. Tube Well Cleaning	-	1.146
16. Income from other sources	-	<u>0.936</u>
TOTAL		<u>63.700</u>

Performance of the Central Engineering Consultancy Bureau

1. Summary of the Physical Performance

Overall Performance

Overall performance of the EPC division is summarized below

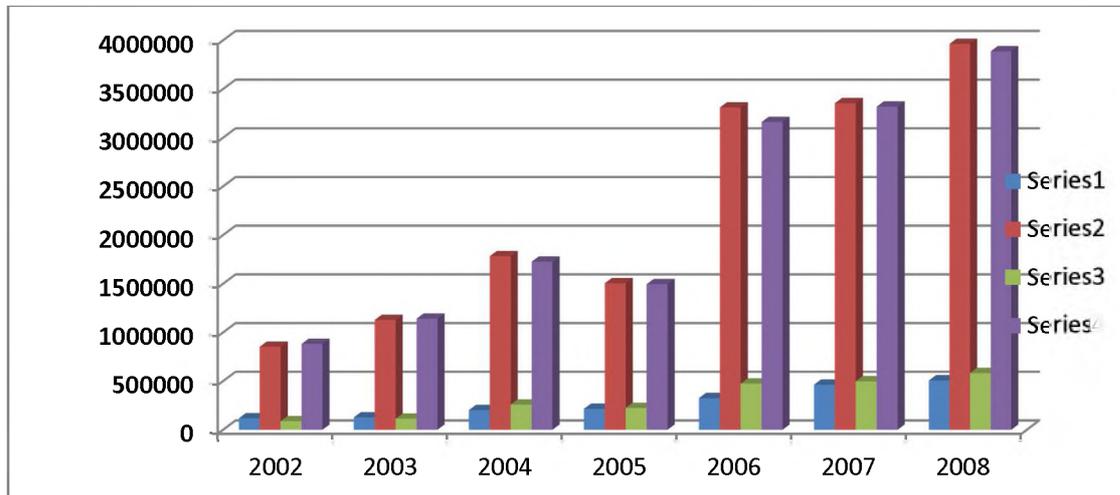
Details	2007		2008		2009	
	No: of jobs	Cumulative contract value (Rs. Mn)	No: of jobs	Cumulative contract value (Rs. Mn)	No: of jobs	Cumulative contract value (Rs. Mn)
New jobs initiated and jobs are in progress	190	5,915	223	3,892	248	15,283
Jobs completed during the year	103	2,346	198	5,658	273	8,628
Total	293	8,261	421	9,550	521	23,911

2. Income and Expenditure

	DESCRIPTION	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Actual
	INCOME	(Rs '000)				
1	Consultancy fees	187,123.00	282,921.00	402,675.00	440,949.00	411,894.00
2	Construction Revenue	1,308,662.00	2,878,229.00	2,916,104.00	3,446,206.00	8,115,765.00
4	NET REVENUE	1,495,785.00	3,161,150.00	3,318,779.00	3,887,155.00	8,527,659.00
5	Less – V. of work C/F	-	-	-	-	-
6	GROSS REVENUE	1,495,785.00	3,161,150.00	3,318,779.00	3,887,155.00	8,527,659.00
7	Interest	31,333.00	41,378.00	84,794.00	118,914.00	133,407.00
8	Other Income	80,033.00	192,021.00	70,362.00	260,508.00	230,064.00
9	TOTAL INCOME	1,607,151.00	3,394,548.00	3,473,935.00	4,266,576.00	8,891,130.00
10	Profit/Loss on Disposal of Fixed Assets	-188.00	-	-	-	-
11	NET INCOME	1,606,963.00	3,394,548.00	3,473,935.00	4,266,576.00	8,891,130.00
	LESS – EXPENDITURE					
12	Construction Cost	2,035,305.00	4,063,337.00	4,424,519.00	5,978,529.00	7,509,118.00
13	Administration Exp.	454,540.00	619,936.00	917,320.00	995,757.00	1,050,107.00
14	Depreciation	30,833.00	50,211.00	56,407.00	57,987.00	78,193.00
15	Provision for Bad Debt	4,817.00	100,070.00	8,974.00	81,471.00	-
16	Financial Expenses	14,909.00	28,253.00	38,880.00	39,495.00	17,186.00
17	TOTAL EXPENSES	2,540,404.00	4,861,807.00	5,446,100.00	7,153,239.00	8,654,604.00
18	Less – Cost of Work C/F	978,381.00	1,490,723.00	1,977,328.00	3,085,305.00	0.00
19	TOTAL NET EXPENSES	1,562,023.00	3,371,084.00	3,468,772.00	4,067,934.00	8,654,604.00
20	PROFIT BEFORE TAX	44,940.00	23,466.00	5,163.00	198,643.00	236,526.00

3. Revenue

Revenue Analysis for the period of 2002 to 2008



	2002	2003	2004	2005	2006	2007	2008
Consultancy fees (Series 1)	117627	127436	202369	215192	325339	463076	507091
Construction Revenue (Series 2)	852602	1127894	1782547	1504961	3309963	3353520	3963137
Less - BTT/GST/VAT (Series 3)	-88203	-114121	-258902	-224368	-474173	-497817	-583073
NET REVENUE (Series 4)	882026	1141209	1726014	1495785	3161129	3318779	3887155

- Reason for the differences between total net revenue and sum of construction revenue and consultancy revenue are payment of VAT and BIT.

Financial Performance**INCOME & EXPENDITURE**

	DESCRIPTION	2008 Actual	2009 Budget	2009 Actual
	<u>INCOME</u>	(Rs '000)	(Rs '000)	(Rs '000)
1	Consultancy	507,091	755,304	411,894
2	Construction Revenue	3,963,137	6,585,095	8,115,765
3	Less – BTT/GST/VAT	(583073)	(954541)	-
4	NET REVENUE	3,887,155	5,630,554	8,527,659
5	Less – V. of work C/F	-	-	-
6	GROSS REVENUE	3,887,155	5,630,554	8,527,659
7	Interest	118,914	66,650	133,407
8	Other Income	260,508	302,885	230,064
9	TOTAL INCOME	4,266,577	6,000,089	8,891,130
10	Profit/Loss on Disposal of Fixed Assets	-	-	-
11	NET INCOME	4,266,577	6,000,089	8,891,130
	<u>LESS – EXPENDITURE</u>			
12	Construction Cost	5,978,529	5,512,799	7,509,118
13	Administration Exp.	995,757	1,263,620	1,050,107
14	Depreciation	57,987	55,293	78,193
15	Provision for Bad Debt	81,471	2,500	-
	Gratuity Provision			
16	Financial Expenses	39,495	36,562	17,186
17	TOTAL EXPENSES	7,153,239	6,870,774	8,654,604
18	Less – Cost of Work C/F	3,085,305	(1,051,578)	0
19	TOTAL NET EXPENSES	4,067,934	5,819,196	8,654,604
20	PROFIT BEFORE TAX	198,643	180,893	236,526