

GOVERNMENT OF KARNATAKA



**WATER RESOURCES
DEPARTMENT
(MAJOR & MEDIUM IRRIGATION)**

PERFORMANCE BUDGET

2006-07

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**COMMAND AREA DEVELOPMENT
PROGRAMMES**

A. COMMAND AREA DEVELOPMENT PROGRAMMES

General:

The Command Area Development Programme was launched in the State at the commencement of the Fifth Five Year Plan (1974-80) in pursuance of the policy of the Government of India for integrated and comprehensive development of the Command Area of Major and Medium Irrigation Projects. The State Government constituted the Command Area Development Authorities for the Tungabhadra project, Munirabad, Malaprabha and Ghataprabha Projects, Belgaum, Cauvery Basin Projects, Mysore during 1974 and for Upper Krishna Project during 1977. The Command Area Development Authority of Bhadra project was constituted during 1979. The Command Area Development Authority of Irrigation Project Zone, Gulbarga was constituted during 2000. The Command Area Development Authorities were given statutory backing from December 1979, with the enactment of the Karnataka Command Area Development Act 1980.

The major function of the Command Area Development Authorities are as hereunder:

1. Reclamation of water logged areas.
2. Construction of field irrigation channels (FIC).
3. Construction of field drains.
4. On-farm development (OFD).
5. Adoption of warabandi system for distribution of water.
6. Adoption and enforcement of suitable cropping pattern.
7. Conjunctive use of surface and ground water.
8. Extension training and demonstration Programmes.
9. All round development of areas pertaining to agriculture.
10. Implementation of Participatory Irrigation Management.

Details of grant, expenditure for 2005-06, 2006-07 and grant for 2007-08 of project coming under various Command Area Development Authorities is as under:-

(Rs. in lakhs)

Sl. No	CADA	2005-06		2006-07		2007-08
		Grant	Expdr	Grant	Expdr	Grant
A. Head of Account 2705						
1.	Tungabhadra Project	960.60	779.00	950.00	817.51	1018.00
2.	Malaprabha & Ghataprabha	940.50	473.76	970.80	1106.11	1044.00
3.	Upper Krishna Projects	800.45	592.73	789.70	541.26	957.00
4.	Cauvery Basin Projects	587.10	506.74	582.90	509.85	524.00
5.	Bhadra Project	746.05	642.71	900.70	887.78	1207.00
6.	Irrigation Project Zone, Gulbarga	521.20	456.37	730.20	662.75	871.50
7.	CADA Secretariat	16.00	10.00	16.00	8.64	17.11
8.	WALMI	100.00	51.50	100.00	77.04	140.00
TOTAL (A)		7376.90	6217.81	7745.3	7315.94	5778.61
B. Head of Account 4705						
1.	Share Capital investment in WUCS	1.00	-	40.10	40.00	1.00
TOTAL (B)		1.00	-	40.10	40.00	1.00
GRAND TOTAL (A + B)		4672.90	3512.81	5080.40	4650.94	5779.10

A1. BHADRA COMMAND AREA DEVELOPMENT AUTHORITY, SHIMOGA

INTRODUCTION AND OBJECTIVES:

The Bhadra Reservoir Project was completed in the Year 1956-57. In pursuance of the policy of the Government of India for integrated and comprehensive development of the Command Area of Major / Medium Irrigation projects, the Command Area Development Programme was launched. Accordingly the Bhadra Command Area Development Authority is constituted by an Act of the Karnataka State Legislature in the year 1979-80 for the overall development of Bhadra Command Area. This Authority has jurisdiction over the command area of Bhadra Reservoir Project, Tunga Anicut and Gondi. During the year, Gondi Anicut has been treated as completed and withdrawn from the Central CAD Programme.

The Authority is in overall charge of the comprehensive development of the Command Area, viz., conservation of land and water, construction of field channels, construction of field drains, land reclamation, formation of Ayacut Roads, implementation of warabandi programme, etc. It ensures that effective measures are taken by the concerned departments to protect the fertility of soil, availability of good seeds, fertilizers, pesticides, etc. on time and in sufficient quantity well in time to help their agricultural programmes and production.

The Authority has taken steps to co-ordinate the functions of Departments of Water Resources, Agriculture, Co-operation, Horticulture to see that the targeted production and productivity of food crops, oil seeds, pulses and other crops in the command area, is achieved.

The details of Grant & Outlay for 2005-06, 2006-07 and grant for 2007-08 of Bhadra CADA, Shimoga are indicated in the Statement as under.

(Rs.in lakhs)

Sl. No.	Name of the CADA	2005-06		2006-07		2007-08
		Grant	Outlay	Grant	Outlay	
1.	Bhadhra CADA	746.05	642.71	900.70	887.78	1326.00

A2. COMMAND AREA DEVELOPMENT PROGRAMMES, MALAPRABHA AND GHATAPRABHA PROJECTS

To reduce the gap between the potential created and potential utilized and to irrigate more land with minimum water and to increase agriculture production, Command Area Development Authority for Malaprabha and Ghataprabha Projects was formed under the provision of Karnataka Command Areas Development Act 1980. The Command Areas Development Authority Malaprabha and Ghataprabha projects, Belgaum, were constituted during 1974.

Details of grant, expenditure for 2005-06, 2006-07 and grant for 2007-08 of project coming under this Command Area Development Authority are indicated in the following statement:

(Rs. in Lakhs)

Sl. No.	CADA	2005-06		2006-07		2007-08
		Grant	Expdtr	Grant	Expdtr.	Grant
1	Malaprabha & Ghataprabha Projects	940.50	473.73	970.80	727.47	1821.82

A3. COMMAND AREA DEVELOPMENT AUTHORITY, CAUVERY BASIN PROJECTS, MYSORE.

As per the directions issued by the Government of India, Government of Karnataka along with other CADAs which were already formed established command area development authority, Cauvery Basin Projects with Mysore as its principal Headquarters. This Authority includes four Major irrigation projects viz, Kabini, Harangi, Hemavathy and KRS together with eight medium irrigation projects viz, Nugu, Taraka, Gundal, Votehole, Marconahally, Manchanabele, Kanva and Byramangala.

This Authority started functioning from 1.3.1974 and from 11.12.1979 through command Area Development Act 1980 became an Autonomous Body.

The details of the Programmes and the budget allocation are as under:

PROGRAMME & CLASSIFICATION

(Rs.in Lakhs)

Sl. No	Classification	Annual Accounts 2005-06	Revised Budget 2006-07	Budget 2007-08
[1]	Programme & Classification:			
A.	Central Sector Schemes:			
1	Survey	110.00	108.00	115.00
2	Field Irrigation Channel	52.00	-	-
3	Field Drain	26.00	10.00	10.00
4	Adoptive trials	3.00	2.00	2.00
5	Land Development training	21.00	21.30	15.00
6	P.I.M.	55.00	40.00	30.00
7	Land Reclamation programme	30.00	34.00	45.00
	Total of [1]	297.00	215.30	217.00
1	Salary	91.05	104.40	101.00
2	Travelling allowances	2.00	2.00	3.00
3	Petrol & Diesel	9.00	9.50	12.00
4	Maintenance of vehicles	1.20	1.50	3.00
5	Contingency expenditure	9.75	7.60	13.00
6	Miscellaneous (Advances)	2.00	2.00	3.00
	Total of [2]	115.00	127.00	135.00
	Total - 1 & 2	412.00	342.30	352.00
B.	State Sector Schemes:			
1	Construction of Ayacut Roads	97.00	117.00	93.00
2	Construction of Godown	18.00	29.30	20.00
3	Housing	8.00	10.00	6.00
4	Special Component Plan	-	-	80.40
5	Tribal Sub plan	-	23.30	31.00
6	Warabandi	5.00	3.00	3.00
7	Subsidy to SF/MF	10.00	-	-
8	Miscellaneous [Pick-ups]	37.10	58.00	50.00
	Total of B	175.10	240.60	283.40
	Total of A & B	587.10	582.90	635.40
C	New Scheme			
1	Afforestation	- -	-	30.00
	Total: A+B+C	587.10	582.90	665.40

**A4. COMMAND AREA DEVELOPMENT AUTHORITY
UPPER KRISHNA PROJECT BHEEMARAYANGUDI**

Krishna CADA has come in to force since 11-12-1979. The Project envisages covering 10 lakh Ha. of land for irrigation. Accordingly up to March-2006 5.27 lakh Ha. area is covered with FIC works. During 2006-07, it is proposed to cover 0.54 lakh Ha. area with FIC works and upto December – 2006, the physical progress achieved is 36766 Ha. and financial progress achieved is Rs. 5018.51 lakhs. The total area covered under FIC since inception is 5.64. lakhs Ha. and cumulative expenditure incurred is Rs.30808.80 lakhs.

Details of grants, expenditure for the year 2006-07 are as follows:

(Rs.in Lakhs, Phy.in Ha/No's)

Sl. No.	Name of the scheme	Unit	Target for 2006-07	Achievement for 2006-07
A	CENTRAL SECTOR SCHEMES:			
1	Direction & Administration	Fin	300.00	242.00
2	Survey, Design, & Planning	Fin	45.00	-
		Phy	-	-
3	Const. of Field Drains	Fin	40.00	38.43
		Phy	1000	961
4	Demonstration	Fin	55.00	54.78
		Phy	1460	1460
5	PIM	Fin.	50.00	50.88
		Phy	9259	9285
6	Training	Fin	20.00	20.04
		Phy	4785	4785
Total (A) Fin			510.00	406.13
B	STATE SECTOR SCHEMES:			
1	Housing	Fin.	92.80	66.17
2	WUCS office Godown	Fin	70.00	9.30
		Phy	70	9
3	Warabandi	Fin	26.00	21.00
		Phy	8667	7013
4	Project Studies & Research	Fin	30.00	25.03
		Phy	-	-
5	Sub Tribal Plan	Fin	10.90	10.89
		Phy	147	266
6	Others	Fin	50.00	2.70
		Phy	-	-
TOTAL (B) :-			279.70	135.09
TOTAL: - A + B			789.70	541.22
C	KBJNL FUNDED CENTRAL SECTOR SSHEME:			
1	Direction & Administration	Fin	691.00	566.68
2	Const. of FICs	Fin	6759.00	5889.59
		Phy	54070	50594
3	Reclamation of water logged areas	Fin	50.00	-
		Phy	125	-
TOTAL (C)			5050.00	6456.27
GRANT TOTAL: - (A+B+C)			5839.70	7403.62

**A5. COMMAND AREA DEVELOPMENT AUTHORITY,
TUNGABHADRA PROJECT MUNIRABAD**

The Tungabhadra Project was started during the year 1945 as a joint venture by the then Governments of Madras and Hyderabad. At the time of state reorganization this project came out to Karnataka State. The Tungabhadra Project is built across Tungabhadra River near Mallapur village about 5 KM from Hospet town. The name Tungabhadra is derived from twin Rivers Tunga and Bhadra, which originate in Varaha Parvatha in Western Ghats and joins at Kudali village in Shimoga District. The Tungabhadra River flows along the mutual boundary of Bellary and Raichur Districts and joins the river Krishna near Kurnool in Andhra Pradesh.

To reduce the gap between the potential created and potential utilized and to irrigate more land with minimum water and to increase agriculture production, Command Area Development Authority is formed for Tungabhadra Project under the provision of Karnataka Command Areas Development Act 1980. The Command Areas Development Authority Tungabhadra Project has come into existence on 12.11.1979.

The details of the Programme and Progress in respect of CADA TBP is as under.

(Rs.in lakhs, physical in Ha.)

Sl. No.	Name of the Schemes	Programme for 2006-07		Progress during 2006-07 (Upto end of 03/07)	
		Fin	Phy	Fin	Phy
1	2	3	4	5	6
"A" CENTRAL SECTOR SCHEMES					
1.	CADA Est. & General Administration	180.00	-	146.00	-
2.	F I C	200.00	2000	160.52	1605
3.	Survey Topographical) Soil Survey etc.	120.00	6480	94.99	5130
4.	Farmers Participation & Management subsidy	20.00	3704	20.00	3704
5.	Land Reclamation of Water logged area	113.00	565	-	-
6.	Training	5.00	250 No	5.18	181 No
7.	Adoptive trials	1.00	4	0.99	2
8.	Project studies and research	1.00	1 No	-	-
	TOTAL "A"	640.00		427.68	
"B" STATE SECTOR SCHEMES					
1.	Ayacut Roads	221.70	45 Km	131.84	29 Km
2.	Housing	40.00		40.02	
3.	Const. of Godowns	5.00	4 No	5.00	5 No.
4.	FIC MasakiNala Project	2.80	28	-	-
5.	Field Drains MaskiNala	-	-	-	-
6.	Miscilleneous	1.00	60.00	0.98	
	"B" TOTAL	270.50		177.84	
GRAND TOTAL A+B		910.50		605.52	

**A6. COMMAND AREA DEVELOPMENT AUTHORITY,
IRRIGATION PROJECT ZONE, GULBARGA**

(Rs. in crores)

Sl. No.	CADA	2005-06		2006-07		2007-2008 Budget requirement
		Grant	Actual Expenditure	Grant	Expenditure	
1	2	3	4	5	6	7
CENTRAL SECTOR						
1	Direction & Administration	0.6	0.538	0.75	0.58	0.8
2	Constn.of FIC in Amarja	0.58	-	-	-	-
3	Trainings	0.05	0.05	0.15	0.124	0.26
4	Demonstration	0.01	0.01	0.06	0.02	0.16
5	Land Reclamation	0.15	-	-	-	-
6	P.I.M.	0.11	0.11	0.54	0.43	0.648
	Total A	1.50	0.71	1.50	1.154	1.87
STATE SECTOR						
1	Constn.of FIC	3.75	3.75	4.55	4.22	9.00
2	Trainings	0.02	0.02	0.10	0.10	0.24
3	Land Reclamation	0.09	0.0834	0.06	-	-
4	Survey	-	-	0.01	0.01	0.02
5	Demonstration	-	-	0.02	0.02	0.26
6	Housing	-	-	0.06	0.19	0.15
7	P.I.M.	-	-	0.75	0.75	1.08
8	Godown	-	-	0.15	0.09	1.00
9	Providing Tractor & other Agriculture equipment to WUCs	-	-	-	-	0.90
10	Constn.of Checkdams	-	-	-	-	0.10
	Total B	3.86	3.86	5.70	5.38	12.80
	Total (A+B)	5.36	4.56	7.197	6.534	14.67

**PROJECTS UNDER
KRISHNA BHAGYA JALA NIGAM
LIMITED**

B1. UPPER KRISHNA PROJECT

A) Brief note on Upper Krishna project:

In order to accelerate the implementation of the Upper Krishna project (UKP) by mobilising resources from the capital markets, KBJNL was incorporated on 19th August 1994 under the Companies Act, 1956 as Company, wholly owned by the Government of Karnataka for planning, investigation, estimation, execution, operation and maintenance of all components coming under the UKP. The Company is funding the rehabilitation and resettlement of the people affected by the Project. The company is authorised to let out water and recover revenues from individuals, groups of farmers including Water Users Co-operative Societies., towns, city municipalities and industries.

B) Administratively approved cost and the year of approval along with) Revised cost details:-

- a) Stage-1 work has been approved by Planning commission vide letter no:2 (10) /89-I&CAD/24.09.90 for Rs. 1214.97 Crores. The revised project cost approved by Board as on 30th September-2005 is Rs.6003.19 crores.
- b) Stage-II work has been approved by Planning commission vide letter no:2 (10) /99-ER//13.12.2006 for Rs. 2358.86 Crores. The revised project cost approved by Board as on 30th September-2005 is Rs.3476.40 crores.

Expenditure incurred on the project for the year 2006-07:

So far a sum of Rs. 9368.20 Crores has been spent on the project up to March 2007, and an amount of Rs.4553.57 Crores is spent towards payment of interest to bond holders/term loan.

Barrages across Bhima river

Krishna Bhagya Jala Nigam Limited is implementing the following barrages across the Bhima River.

- | | | |
|----------------------|-------|---------------------|
| 1) Kallur-B barrage. | ----- | Completed. |
| 2) Sonnathi. | ---- | Work is in progress |
| 3) Joladadagi-Gudur | ---- | Completed. |
| 4) Yadgir | ---- | Completed |
| 5) Ghattargi | ---- | Completed |

These barrages are being implemented at an estimated cost of Rs.277.45 crores. Among these, the sonnathi barrage is in progress.

Further in addition to the above the Nigam is entrusted with construction of 4 barrages across river Manjra in Godavari basin in Bidar district. The probable estimate cost of 4 barrages is Rs.200.00 crores. The tender for civil components have been received. Under Stage-I of Upper Krishna Project, about 4.25 Lakh Ha. (10.90 Lakh Acres) of area in Bijapur, Gulbrga and Raichur District will be irrigated. About 1.92 Lakhs Ha area will be irrigated under Stage-II. The Stage-I works comprises of three phases, Phase -I & II works are completed and Phase -III works are in completion stage.

1.1 DAM ZONE, ALMATTI

BRIEF NOTE ON THE WORKS:

This zone came into existence on 30.01.1977 at Almatti, with one Circle, Six Divisions and 20 Sub divisions. One Senior Health Officer (Class-I) with its 4 Anti-Malaria Units and Dy. Conservation of Forest with 3 sub divisions are working under this zone.

The Almatti Dam D/S garden and Lift Irrigation Schemes such as ALBC, ARBC, MLIS and Marol LIS come under this zone.

About 4.25 Lakh Ha. (10.90 Lakh Acres) of area in Bijapur, Gulbarga and Raichur District will be irrigated under Stage-I of Upper Krishna Project. About 1.92 Lakh Ha. area will be irrigated under Stage-II. The Stage-I comprises of three phases and Phase-I works are completed. The progress of Phase-II, Phase-III and Stage-II works are as follows:

1) Almatti Dam:

The work is already completed and Gates are also erected. The water is being stored up to RL 518.60 since September 2000 and being utilized for irrigation.

2) Landscape garden on down stream of Almatti Reservoir.

Landscape Development of Almatti Dam environs have been taken up to create the avenues for economic development of project area by tourist attraction. M/s Nefertiti, Bangalore was appointed as Consultants for preparation of plans, designs and estimates of Landscaping. A Committee is formed under the Chairmanship of the Commissioner; R & R Bagalkot to supervise the work.

This project has been phased out in multiple stages and presently only 77 acres of land along the left bank downstream abutting the Dam is taken under Phase-I. Present phase concentrate mainly on future garden. The later phases mainly concentrate on water theme parks, water theme courts etc., in about 220 acres.

3) Almatti Left Bank Canal L.I.S.:

Head works are completed Erection of Pumps, setting up of sub-station is also completed. An area of 17891 Ha. is irrigated successfully during Rabi 2006-07.

The total length of canal is 103 KMs. Out of which, 67 KMs is almost completed. The works are in progress in Km.67.00 to 85.00. The Distributaries 1 to 27 are almost completed. The works of distributaries No. 28 to 40 are under progress.

4) Almatti Right Bank Canal L.I.S:

The head works are completed and pumps are erected. The enabling works for taking power connection is also completed. The total length of the canal is 67.50 KMs. and the area irrigated will be about 9,900 Ha. The works of main canal are almost completed.

The Distributary from 1 to 15 are completed. The works of other distributaries are in progress. The area of 4,921 Ha. is notified for Rabi 2006-07

About 6,200 Ha. beyond Malaprabha river under ARBC is now included under Marol Lift Irrigation Scheme.

5) Thimmapur Lift Irrigation Scheme:

This scheme provides an irrigation facility of 20,100 Ha. of Bagalkot taluk. The work of Jackwell, Pumps raising main and delivery chamber is entrusted to agency on turn key basis, work is under progress. The detailed survey of the scheme is entrusted to agency, work is under progress.

6) Ramthal (Marol) Lift Irrigation Scheme:

About 26,200 Ha. area of Hunagund Taluk of Bagalkot District will be irrigated under this project. The estimated cost of this project is Rs. 218.00 Crores. The Government has accorded administrative approval with certain conditions. The survey work is almost completed. The work of 1st jackwell and its allied work is entrusted to M/s L& T and the work is in progress. TSC has cleared estimates of the main canal works, tenders are being floated.

7) Mulwad Lift Irrigation Scheme: The water will be lifted in two stages under this scheme. The head works of 1st stage and construction of 2nd jackwell works are completed.

The lead off canal which leads water from 1st Jackwell to 2nd jackwell i.e, from KM 0.00 to 5.00 is already completed. The length of East canal from the 2nd delivery chamber is 17.40

KMs. and the length of West Canal is about 83 KMs. About 30,850 Ha. area will be irrigated under this scheme.

The lead off canal work is completed. The east canal from 0.00 to 17.40 and the West canal from 0 to 78.00 almost completed. Out of 6 distributaries of East Canal 5 are almost completed, distributary 6 is under progress. Out of 43 distributaries of West Canal, 24 are nearing completion and works of distributary upto 43rd distributary are under progress.

8) Teggi-Siddapur Lift Irrigation Scheme:

Teggi-Siddapur Lift Irrigation Scheme is a lift irrigation scheme proposed on the foreshore of Almatti Reservoir, near Teggi, to provide irrigation benefits for about 3000 Ha area in Biligi Taluk. The survey work is almost completed. The alignment of canal is approved; the tender process completed and work will be commenced shortly. The Jackwell work is under progress.

9) Sonna-Rolli-Mannikeri Lift Irrigation Scheme:

Sonna-Rolli-Mannikeri LIS will provide irrigation benefits to about 3000 Ha. area in Bilgi Taluk. The survey work is almost completed. The tender process for the Sonna Jackwell is completed, work will be commenced shortly. The tender process for the Rolli-Manikeri is nearing completion

T A B L E - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF PROJECT: UPPER KRISHNA PROJECT

(Potential in Ha.)

Sl. No	Name of District	On full development	Created by March 2006	Program for the 2006-07	Progress during the year 06-07
1	Almatti L B C (from KM 0 to 103KM)	20,235	17,648	2,587	529
2	Almatti R B C (from KM 0 to 67 KM)	9,900	6,643	1,500	1,693
3	Mulwad West Canal (from KM.0 to 85)	30,850	9,638	13,400	5,708
	TOTAL	60,985	33,929	17,487	7,930

T A B L E - III
FINANCIAL ESTIMATE
Name of Project: Upper Krishna Project

Rs.in lakhs

Sl. No.	Classification	Actuals for 2005-06	Revised Estimate for 2006-07	Budget Estimate for 2006-07
1	ACTIVITY CLASSIFICATION:			
	1. Reservoir	1475.16	1191.39	901.65
	2. Dam & Appurtenant works	4746.50	1611.33	7203.83
	3. Canal & Branches	4409.00	3657.74	1313.85
	4. Distributaries & Laterals	5628.50	3484.22	1357.57
	5. Water courses	-	-	-
	6. Roads	337.00	811.60	162.20
	7. Buildings	460.00	173.20	262.91
	8. Other charges	-	-	120.00
	9. Establishment & others	1443.84	1467.03	783.24

1.2 CANAL, ZONE NO.1, BHEEMARAYANAGUDI

Jurisdiction: This Zone is in charge of the following works.

- i) Entire length of Shahapur branch Canal (SBC) viz.... KM 0.0 to 76. and all the Distributaries coming there under.
- ii) Entire length of Mudbal branch Canal (MBC) viz...KM 0.0 to 50.80 and all the Distributaries coming there under
- iii) Entire length of Jewargi Branch Canal (JBC) viz... KM 0.0 to 86. and all the Distributaries coming there under
- iv) Entire length of Narayanapur Right Branch Canal (NRBC) viz... KM 0.0 to 95.00 all the Distributaries coming there under

Contemplated Irrigation potential: The Irrigable command area contemplated under various canals of this zone are as under

	Name of the canal	I.C.A. envisaged
i)	Shahapur Branch Canal	1,22,120 Ha.
ii)	Mudbal Branch Canal	51,000 Ha.
iii)	Jewargi Branch Canal	57,098 Ha.
iv)	Narayanapur Right Bank Canal	84,000 Ha.
	TOTAL	3,14,220 Ha.

These areas lie in the shorapur, Shahapur, and Jewargi Talukas of Gulbarga district and Deodurga Talukas of Raichur district.

Status of work as on March 2007:

Shahapur Branch Canal and Mudbal Branch Canal works are completed.

Jewargi Branch Canal works:

The works of this Canal comes under UKP stage-I, Phase-III. The earthwork of Jewargi Branch Canal from 0.00 to 13.00 Kms was first started during 1992-93, under Famine Relief works programme. But brisk activities on the works of this canal started during the year 1995-96 after the formation of KBJNL.

All the works of main canal (0.00 to 86.36 Kms) and Distributaries (1 to 17) including lining works are completed. Works only in 2 kms of Branch Distributary-2 of Dy.18 and one lateral of Dy.16 are under progress.

The irrigation potential created under the canal since inception upto the end of December 2006 is 55705 Ha. as against the contemplated potential of 57,100 Ha. It has been programmed to create an irrigation potential of 2400 Ha. by utilising a grant of Rs.16.23 Crores during 2006-2007. During 2006-07 an irrigation potential of 1928 Ha. has been created by utilising a grant of Rs.10.75 Crores upto end of March 2007.

Out of the total command area of 57243 Ha. already created, 52140 Ha. area is already under operation and maintenance stage, and water is also let out on trail basis in the balance area wherever the basic infrastructure for irrigation potential has been created.

The cumulative financial progress achieved on the works of this canal since inception is Rs.477.81 crores to the end of March 2007.

All the balance works including the FIC works will be completed during 2007-08.

NARAYANAPUR RIGHT BANK CANAL WORKS:

The works of this Canal were taken up under UKP stage-II, with the Nigam funds, during the year 1995-96.

All the works of main canal 0.00 to 95.00 Km (except one cross regulator at 72.015 km which is nearing completion) and the main Distrys 1 to 18 are completed. Works of only some laterals on Dy.15, 16 and 18 are under progress and the same is likely to be completed by June 2007.

The irrigation potential created under the canal since inception upto the end of MArch 2007 is 78,721 Ha. as against the contemplated potential of 84,000 Ha. It has been programmed to create an irrigation potential of 5800 Ha. by utilising a grant of Rs.76.59 Crores during 2006-2007. Against this programme, an irrigation potential of 4326 Ha. has been created by utilising a grant of Rs.50.34 Crores to end of March 2007.

Out of the total created command area of 83047 Ha. to the end of December 2006. 55841 Ha. area is already under operation and maintenance stage, and water is also let out on trail basis in the balance area wherever the basic infrastructure for irrigation potential has been created.

The cumulative financial progress achieved on the works of this canal since inception is Rs.1005.71 crores to the end of March 2007.

All the balance works left over including FICs will be completed during 2007-08.

BARRAGES:

The works of construction of one Barrage cum Bridge across river Krishna, three Barrages across river Bheema, and four Barrages across river Manjra come under this Zone.

The works of construction of two Barrages with Bridge near Joldadgi and another near Yadgir are completed.

The work of Sonnati Barrage cum Bridge across river Bheema is under progress.

The work of construction of Barrage cum Bridge near Gugal village on river Krishna is also in progress.

The works of four Barrages across river Manjra are recently started and are in progress.

The expenditure incurred during 2006-07 on all the Barrages under this Zone, to the end of March 2007 is Rs.1738.84 lakhs as against the annual programme of Rs.6941.00 lakhs and the barrage works are likely to be completed in all respects 2008-09.

PROGRAMME AND PROGRESS DURING 2006-07:

The annual financial programme of this zone for the year 2006-07 is Rs.237.98 Crores and the programme of creation of irrigation potential was 8400 Ha. Against this programme 8017 Ha. of irrigation potential has been created up to end of March 2007 with the financial expenditure of Rs. 136.95 Crores.

T A B L E - II
DETAILS OF IRRIGATION POTENTIAL

Sl. No	Name of the canal	On full develop ment	Programme for 2006-07	Progress during 2006-07
1	Jewargi branch canal (0 to 86.36 km)	57,100	2,400	1,928
2	Narayanapur RBC (0 to 95.00 km)	84,000	5,800	5,279
3	Shahapur Branch Canal	1,22,120	200	810
	TOTAL	2,63,220	8,400	8,017

T A B L E - III

Name of project: Upper Krishna Project**(Rs. in Lakhs)**

Sl. No.	Activity	Actuals 2005-06	Budget estimate 2006-07	Progress during 2006-07
1	Dam and Appurtenant & Reh. Work	2272.62	1750.17	2914.13
2	Canal Branches/ Distributary & Laterals	12421.15	5544.90	7916.07
3	Roads	471.89	125.33	459.54
4	Buildings	296.19	149.23	211.55
5	Others	1002.15	15714.18	1929.76
	TOTAL	16464.00	23283.81	13431.05

1.3 CANAL ZONE - 2, KEMBHAVI

The Upper Krishna Project Canal Zone No.2 Kembhavi is established with effect from 1.10.1986 as per Government Order No. PWD 60 PCO 86, Dated. 29-9-1986 for construction of Indi Branch Canal and Mudbal Branch Canal. Subsequently the Mudbal Branch Canal works were transferred under the control of Chief Engineer UKP Canal Zone No.1 Bheemarayanagudi and Ayacut Road works were transferred to this zone vide Govt. Order No. PWD 60 PCO 86, dated 15-6-1987.

At present, the works of Indi Branch Canal from Km 1 to 172 including distributories 1 to 46, Indi Lift Canal works from Km 1 to 147 and Ayacut Road within the Ayacut of Indi Branch Canal. The works of IBC from Km 1 to 64 and distributories 1 to 13 including laterals and FICs are already completed, thereby, creating an irrigation potential of 60,721 Ha. and are now under operation and maintenance. The works of IBC from Km 65 to 172 and distributaries 14 to 46 are completed and irrigation potential of 70,574 ha is created. Laterals and FICs are completed.

The works of Head Regulator and intake canal of Indi Lift Scheme and Canal works from Km 0.225 to 40.00 are completed. The works of Indi Lift Canal from Km 10.00 to 97.30 is nearing completion. Work of survey, preparation of estimates including design and drawing from Km 97.30 to 147.00 Km is entrusted to private agency on tender basis and is in progress.

ORGANISATION: This zone is functioning with two circles ie. IBC Circle No.2 Almel camp: Rampur and O&M Circle No.2 Rampur. The details of works taken up under this zone are as under.

INDI BRANCH CANAL

The Indi Branch Canal takes off at Km 77.52 of Narayanpur Left Bank Canal, which is situated about 1 km away from Kembhavi village of Shorapur taluk in Gulbarga District and traverses with a head discharge of 2943 cusecs (83.49 cumecs) through the districts of Gulbarga and Bijapur irrigating an area of 30,831 Ha. and 1,00,464 Ha. respectively (Total 1,31,295 Ha.)

The works of construction of Indi Branch Canal from Km 1 to 64 are completed under Stage-I, Phase-II of UKP creating an irrigation potential of 60,721 Ha. The works of construction of Indi Branch Canal from Km 65 to 172 are tackled under Phase-III of Stage-I to create the balance irrigation potential of 70,574. The year-wise programme and progress of creation of Irrigation potential are as under upto March 2007:

Year	Area in Ha.	
	Programme	Progress
1993-1994	10250	9047
1994-1995	3460	2630
1995-1996	15816	15800
1996-1997	25000	8327
1997-1998	40748	24819
1998-1999	10700	8713
1999-2000	12800	10435
2000-2001	41649	10172
2001-2002	39676	22375
2002-2003	17297	13288
2003-2004	4183	2587
2004-2005	1526	1527
2005-2006	1500	1575
TOTAL	2,24,605	1,31,296

On the works of Indi Branch Canal from Km 1 to 64, the expenditure incurred to end of March 2007 for these works is as follows:-

1) IBC Km 1 to 10 (Slice-I)	- Package IB-01/01	Rs. 1552.63 lakhs
2) IBC Km 11 to 20 (Slice-II)	- Package IB-01/02	Rs. 2147.65 lakhs
3) IBC Km 21 to 30 (Slice-III)	- Package IB-01/03	Rs. 2076.20 lakhs
4) IBC Km 31 to 64	- Package IB-02/01	Rs. 9341.35 lakhs
5) Structures on IBC Km 31 to 64 Package - IB-02-02		Rs. 1890.99 lakhs
6) IBC Distributories 11 and 13 Package - IB-03-01		Rs. 23140.87 lakhs
7) IBC Distributories 6, 6A, 6B & 7 Package IB-03-02		Rs. 752.56 lakhs
8) IBC Distributories 8 and 9 Package IB-03-03		Rs. 3131.91 lakhs
9) IBC Distributories 10, 12, 12A & 12B Package IB-03-04.		Rs. 2808.07 lakhs
Total		Rs. 46842.23 lakhs

The works of Indi Branch Canal from Km. 65 to Km 172 and Distributories 14 to 46 have been taken up on tender as well as entrustment basis. The works are completed. The works of Indi Lift Canal from Km 1 to 97.3, Distributories 1 to 40B and Laterals coming there under are taken up on tender basis. An amount of Rs. 1009.90 crores has been spent to end of

March 2007 for the above works including the works of Indi Lift Irrigation Scheme. The details of works are as under:

- I. The works of IBC from Km 65 to 80, 89, 101 to 113, 120, 122 to 125 and 151 to 172 are taken up on tender basis and the works are completed.
- II. The works of IBC from Km 81 to 88, 90 to 100, 114 to 119, 121, and 126 to 150 are taken up on direct entrustment basis and the works are completed.
- III. The works of distributories 14 to 24 and laterals coming under IBC from Km 65 to 120 are also taken up on direct entrustment basis and the works are completed.
- IV. The works of distributories 25, 26 to 34, 35 to 37, 38 to 45A & 46 are made into packages and the works are taken up on tender basis which are completed.
- V. The works of providing C.C. lining to IBC from Km 65 to 172 also have been made into packages and these works were taken up on tender basis. The works are completed.
- VI. The works of Head Regulator and Intake Canal with structure on intake canal are taken up on tender basis and the works are completed. Works of Indi lift canal from Km 0.225 to 40.00 are also completed. Works of Indi lift canal from Km 40.00 to 97.30 are taken up on tender basis and the works are almost completed. Works of Distributories 1 to 40B on I.L.C. are also taken up on tender basis which are in various stages of progress. For laterals under distributories 1 to 40B, tenders have been called for.
- VII. The works of pump set, transmission line, sub-station and E.O.T. crane of ILC are taken up on tender basis are in progress.

AYACUT ROADS:

STAGE-I, PHASE-I : Ayacut Roads under Phase-I was of 611 kms length and all these works are completed.

PHASE-II : It was proposed to tackle 942 Kms of Ayacut Roads under Phase-II of Stage-I of UKP. Out of these 942 Kms construction of 307 Kms of Ayacut Roads were handed over to CADA as per the orders of Government of Karnataka. Hence, 635 Kms of Ayacut Roads come under the jurisdiction of this zone. These works are completed except the works of AR-04 Package. The contractor of AR-04 package has stopped the works for non-finalisation of workable rates, the roads coming under this package are included in the rehabilitation of Ayacut Raods package.

The amount spent on Ayacut Road works upto March 2007 is Rs. 2128.67 lakhs including maintenance (excluding World Bank works which are completed).

All the remaining roads coming under the jurisdiction of this zone are included in one package and for these roads fresh tender have been called.

BUILDINGS

The buildings were constructed in various colonies of this zone for accommodation for staff and office. Rs. 1810.71 lakhs expenditure is incurred towards these works to end of March 2007. Two buildings packages one at Rampur with bid cost of Rs. 296.51 lakhs and another at Almel with bid cost of Rs. 140.48 lakhs are completed. The expenditure incurred upto end of March 2007 on the above works is as under,

1. Building at Rampur Package B2-01 Rs. 370.07 lakhs.
2. Building ar Almel Package B2-02 Rs. 182.76 lakhs

The details of year wise grant allotted and expenditure incurred from 1986-87 to 2006-2007 are tabulated below:

(Rs. In lakhs)

Sl. No	Year	Grant allotted	Expenditure incurred
1	1986-1987	1500.00	276.78
2	1987-1988	2500.00	1291.32
3	1988-1989	1260.00	1516.74
4	1989-1990	1890.00	1431.47
5	1990-1991	2130.00	1500.86
6	1991-1992	3359.00	2032.07
7	1992-1993	4266.34	3409.12
8	1993-1994	4878.96	9861.58
9	1994-1995	9809.64	9226.58
10	1995-1996	10840.00	9544.36
11	1996-1997	12633.57	14882.25
12	1997-1998	14000.00	11352.64
13	1998-1999	13000.00	12970.20
14	1999-2000	13000.00	7647.56
15	2000-2001	17573.21	10607.52
16	2001-2002	15000.00	10527.94
17	2002-2003	13333.00	10098.33
18	2003-2004	10000.00	6583.47
19	2004-2005	16292.00	8485.81
20	2005-2006	13794.90	9718.01
21	2006-2007	12268.51	9361.89
	TOTAL	192329.33	155775.69

TABLE-II

Name of the District	Total ICA	Potential created to end of 3/06	Area in Ha	
			Programme during the year 2007	Progress up to March-2007
Bijapur and Gulbarga	1,31,261	1,31,295	-	-
ILIS	41,900 (44,076 revised)	16,294	20,300	21,140

TABLE -III
FINANCIAL ACTIVITIES AND CLASSIFICATION
(Rs. in lakhs)

Sl. No	Classification	Actual for 2006-07	Expenditure for 2006-07
A.	ACTIVITY CLASSIFICATION		
1	Canals and Branches	3437.79	2816.46
2	Distributaries	5869.46	5144.93
3	Roads	37.14	0.41
4	Buildings	248.18	128.10
5	Barrages	961.50	912.14
	Total for - A	10554.02	9002.04
B	OBJECTIVE CLASSIFICATION		
1	Pay	935.41	613.94
2	Travel Expenses	189.39	64.28
3	Office Expenses	62.26	23.33
4	Pensionary charges	2.30	-
5	i) Major and Medium	-	-
	ii) Land acquisition	-	-
6	Machinery and Equipments	82.85	75.21
7	Suspense Debit	-	148.07
	TOTAL FOR - B	1272.21	924.83
c	DEDUCTION		
1	Suspense Credit	-	265.32
2	Deduct receipt and recoveries on Capital account	-	308.82
	TOTAL OF - C		574.14
	GRAND TOTAL OF A+B-C	11826.23	9352.73

1.4 O & M ZONE, NARAYANAPUR

Brief Note on the works:

Considering the vast area that is already notified and the pace of development of irrigation in the subsequent phases, Government has accorded sanction for creation of separate zone to look after Operation and Maintenance activities of Upper Krishna Project vide Government Order No.ID/115/WBM - 91 dated 14.10.1991. Owing to the Government order the office of the Chief Engineer, Krishna Bhagya Jala Nigama Limited, O&M Zone, Irrigation Department, UKP, Narayanapur came into existence on 3.1.1992. This Zone come under Krishna Bhagya Jala Nigam Limited with effect from 15.11.1995.

One Circle, three Divisions and Nine Sub-Divisions are working under the control of this zone. During the year 2006-07 the incumbency details are as follows:

- | | |
|----------------------------------|--|
| 1. From 01.04.2006 to 06.05.2006 | Sri B. Balasubramanyam
Chief Engineer (I/C) |
| 2. From 6.05.2006 to 19.09.2006 | Sri S.B.Siddhagangappa
Chief Engineer (I/C) |
| 3. From 19.09.2006 till today | Sri C, Anantaramu
Chief Engineer (I/C) |

This Zone is entrusted with the responsibility of monitoring the water management to extent of an irrigated area of 4.25 lakhs Hectares under STAGE-I of Upper Krishna Project. As the project work is under progress, the irrigable area under this Zone is increasing year by year. This year an area of 53,698.14 ha.has been declared as notified area for irrigation during Khariff and rabi season respectively. The canal wise details of notified area are as under.

Sl. No.	Canal	Khariff 2006-07	Rabi 2006-07
1	Narayanpur Left Bank Canal	27,961	27,961
2	Hunasagi Branch Canal	22,172	22,172
3	Rampur Lift Irrigation Scheme	8,108	14,288
	Total	58,241	64,421

The maintenance of following irrigation campus in the project also come within the perview of this zone.

- 1) Narayanapur
- 2) Kodekal
- 3) Rajankollur
- 4) Kakkerla
- 5) Hunasagi
- 6) Devapur
- 7) Devatakal
- 8) Mudnoor.

The maintenance of 108 km. length of major District road 247.32 km. of other roads, 16 VHF wireless stations, canal phones etc., are the other items which are being looked after by this zone.

Apart from Operation and Maintenance of canal work under NLBC from 0.00 to 78.00 this Zone is also looking after the following works:

- 1) Rampur Lift Irrigation Scheme work.
- 2) Implementation of Rajankollur Lift Irrigation Scheme.

During 2006-07 the total area notified for irrigation under Narayanpur Left Bank Canal, Hunasagi Branch Canal and Shahapur Branch Canal was 58,241 Ha. and 64421 Ha. for khariff and Rabi respectively.

TABLE-II

KBJNL, O&M ZONE, NARAYANPUR

(in Ha)

Sl. No.	Name of the District	On full development in Ha.	Created upto March 2006	Progress during 2006-07
1	Bijapur	27	27	-
2.	Gulbarga	47,196	49,710	-
3.	Raichur	20,235	15,881	2,950

**TABLE-III
FINANCIAL ESTIMATE**

(Rs. in Lakhs)

Sl. No	Classification	Actual for 2005-06	Budget estimate for 2006-07	Expenditure during 03/2007
1	Reservoir	-	-	-
2.	Dam and Apartment	1.00	284.09	51.03
3.	Canals & Branches	35.00	121.59	23.28
4.	LIS	3521.61	1961.68	1197.34
5.	Distributaries	220.00	90.81	22.45
6.	O&M Special repairs	715.00	95.76	6.83
7.	Roads & Bridges	141.00	157.51	1.79
8.	Buildings	10.00	49.84	0.68
9.	Other Charges	3.00	30.88	-
	Total	4646.61	2800.16	1303.40
II. OBJECTIVE CLASSIFICATION				
1	Salaries	548.39	606.58	470.51
2.	Traveling Allowance	51.00	45.50	35.25
3.	Office Expenses	23.00	27.50	8.51
4.	Pension Charges	25.00	-	-
5.	Major & Minor works	95.00	492.51	477.30
6.	Machinery & Equipments	30.00	42.12	52.21
7.	Other Charges.	205.00	157.87	122.66
	Total	977.39	1372.08	1166.44
Grand Total (I&II)		5624.00	4172.24	2469.84

**TABLE -III (A)
FINANCIAL ESTIMATE**

(Rs. in Lakhs)

Sl No.	Classification	Actual for 2005-06	Revised Estimate for 2005-06	Budget estimate for 2006-07	Expenditure During 03/2007
1.	New irrigation potential. works	2853.71	3776.61	4980.14	1197.34
2.	Maintenance	403.73	330.00	219.82	652.17
3.	Roads	128.66	140.00	41.57	1.79

1.5 BAGALKOT TOWN DEVELOPMENT AUTHORITY, BAGALKOT

SALIENT FEATURES OF BAGALKOT TOWN:

Bagalkot Town is historically famous for glory & it is one of the largest town in the northern part of Karnataka and is situated on the right bank of Ghataprabha River at 16-11 longitude & 71-12 latitudes.

Bagalkot Town is getting submerged under back waters of Almatti reservoir when the Almatti Dam height reaches Rl.524.256 mtrs resulting in submersion of 3/4th town. This year when water was stored upto 519.16 mtrs, its backwater stood at Bagalkot up to 520.10 mtrs. The following are the submergence details at different elevations.

Sl. No	Height or Rl in Mtrs	No. of Structure	Present acquisition of Structures		Total	Difference	Population
			Authorized	Un-authorized			
1	2	3	4	5	6	7	8
	517.00	615	781	206	987	373	3760
2.	521.00	2337	2524	1208	3732	1317	18860
	Total	2952	3305	1414	4719	1690	22620
3.	521 to 525	4225	2525	498	3023		28376
4.	525 to 526	1872	-	-	1872		7021
5.	526 to 527	1482	-	-	1482		4238
	Total	10531	2525	498	14845		62255
6.	Above 527				7155		29341
	Total 1 to 6				22000		91596

Note: The figures Sl. No.1 & 2 are as per 6(1) notification. the figures indicated at Sl. No.3,4,5 are as per survey conducted in 1986.

Resettlement plan consists of acquiring lands for locating the new Bagalkot town and making all arrangements to provide basic infrastructure in the new town. The lands required for the new town have already been acquired (about 4320 acres) and possession has been taken. The plan of new township provides adequate and reasonable resettlement for the project Displaced Families (PDFs) on the one hand and also allows sufficient scope for further development of the town for additional population on the other hand (including immigrants, industries, business etc.). Thus, the new Bagalkot town is envisaged both as a modern town and as a Rehabilitation center. For this purpose, the state Government has enacted a special legislation called "BAGALKOT TOWN DEVELOPMENT ACT 1983" The act provides for establishment of separate authority to plan, develop and manage the resettlement and rehabilitation of PDFs of the old Bagalkot town as well as to create modern township to 4 non official representatives. A Chief Engineer is designated as its Chief Executive. The board of the BTDA also has Secretaries to the Government (of all relevant departments) as its members. So far BTDA has mainly deals with resettlement and rehabilitation of PDFs Funds have been provided for this project by the Government authority up to 1995 and afterwards the KBJNL Bangalore has been funding. The BTDA has no income of its own.

The Government through BTDA engaged the internationally famous Architect Sri Charles Cores for preparing a comprehensive town plan for BTDA. As per his plan, the entire submergence portion of Bagalkot Town was proposed to be resettled in an area of 1200 acres. But subsequent changes in the allotment policy for distribution of sites to main PDFs Two major sons, two Major brothers (in joint family) have necessitated development of additional area. One unit is divided into 49 Sectors of approximately 20 acres each. About 3000 acres of additional land is used for roads and others civic amenities. Of the 49 Sectors 27 are earmarked for residential purpose, remaining sectors comprise of parks, hospital, Stadium,

Educational Institutions and Government offices etc. In addition to 49 sectors, 7 sectors (Sectors No.50 to 56) are developed adjoining to unit-1 for distribution of D & E plots to the PDFs. Adjoining to this, Sector No.57 to 63 and 63A are developed for distribution of plots to Non-PDF's.

ORGAINSATON STRUCTURE:

For efficient and systematic implementation of R&R of Bagalkot Town, Govt. of Karnataka has constituted B.T.D.A under an Amendment to K.I.B Act functioning from 1984. BTDA comprises of one Chief, 2 Division offices, 8 Sub Divisional offices, 1 Special Land Acquisition office and 1 Rehabilitation office.

Since most of the major works are completed except for maintenance work, Govt. vide order No.RD145/REH/Bangalore/2005 Dt.24/10/2005 has temporarily closed One Division and 4 Sub-Division with effect from 31/10/2005.

ESTIMATED COST OF REHABILITATION AND RESETTLEMENT OF BAGALKOT TOWN: THE DETAILED COST OF THE PROJECTS IS AS UNDER

SI No.	Details of Component	Rs. in lakh
1.	Structural compensation in old Bagalkot town	39539.06
2.	Land Acquisition for new township and others etc.,	2952.50
3.	R&R Packages	3000.00
4.	Construction of Roads and parks etc.,	6231.50
5.	Providing Water Supply	4445.00
6.	Providing U.G.D	2200.00
7.	Providing Electrification	2000.00
8.	Construction of Public Building	2200.00
9.	Telecom facilities	400.00
10.	Construction of Railway	1000.00
11.	Maintenance of BTDA Colony and Navanagar	800.00
12.	New Supply Machinery and Maintenance	250.00
13.	Consultancy and training charges	90.00
14.	Establishment	2591.94
	TOTAL	67700.00

It has been estimated that Rs. 677.00 Crores at 95-96 rates is required for Bagalkot Rehabilitation and Resettlement works. Rs. 36.32 Crores has been earmarked for this project under U.K.P Stage-1-Pahase-II, Phase-III.

1. 6 Sectors (5 residential sectors + 1 part sector) were already developed for the people who are affected under Phase -II of UKP Stage-I. Further, it is estimated that Rs. 365.65 Crores is required for rehabilaion and resettlement of PDF of Bagalkot under Phase-II of UKO Stage-I
2. In Phase-III of UKP stage-I (517 mtrs to 521 mtrs) Structural compensation is already paid to the structures coming in between RL. 517 mtrs to 521 mtrs Bagalkot town and another 50 sectors have already been developed with all infrastructures facilities in new township under Phase-III. The remaining works of Phase-III under progress.
3. During this year, it is decided to store water up to RL 519.60 mtrs at Almatti Dam resulting back waters at 520.10mtrs at Bagalkot town. Nearly more than 4692 families are affected and have been shifted safely along with materials to safer places and also to transit sheds constructed at Navanagar.

SPECIAL PACKAGE SCHEME

Considering the problems due to backwater effect, Govt. has announced the special package of Rs. 638.00 Crores (500 Crores for Bagalkot town + 138.000 for R&R) Vide G.O. No. RD/124/REH/2002, Dated 16.11.2002 to improve the existing conditions of Bagalkot Town.

The details of special package are as under.

Sl No	Details of components	Rs. in Crores
1	Structural components RL521.00 to 523.00 Office of the Chief Engineer and Development of 35 sectors of unit 2 of Navanagar with all infrastructures facilities like roads etc.,	414.00
2	Providing UGD for Non submergence of Bagalkot Town	29.12
3	Providing Water Supply for non submergence of Bagalkot Town	11.70
4	Construction of link roads	20.00
5	Development of parks in old town	12.00
6	Construction of building under Ashraya Scheme for slum dwellers	5.00
7	Construction of 50 bedded hospital building for siteless and below poverty line people	2.00
8	construction of 50 bedded hospital in old town	2.00
9	Income and employment generating scheme	4.18
TOTAL		500.00

a) For Acquisition of structures between RL521 mtrs to 523 mtrs, approval of Government is awaited.

b) The fixing boundary stones and demarcation of various sizes of plots in 35 sectors of unit 2 are completed.

c) The estimate for infrastructure facilities like, main peripheral roads, UGD, Water supply etc. for Unit-II of Navanagar etc. are prepared.

1. The U.G.D. network in old Town i.e., Non-submersible portion of Bagalkot is nearing completion.
2. The work of providing water supply system including revamping of existing pipeline for the non-submersible portion of bagalkot town is nearing completion.
3. The works for 3 link roads, 5 main roads, 7 internal roads in slum area of Baglkot Town were taken up on tender basis. Out of these, 3link road works were completed already, 3 main road works are also completed and remaining works are nearing completion.
4. Development of 3 parks in old Bagalkot town is taken up. Out of which one garden work is completed.
5. Estimate and DTPs for construction of 50-bedded hospital in old Bagalkot Town are submitted to T.S.C for approval.

Financial progress achieved to end of March 2007 since inception:**(Rs. in crores)**

Year	Expending incurred
1983-84	0.01
1984-85	0.19
1985-86	0.26
1986-87	0.35
1987-88	2.75
1988-89	2.62
1989-90	1.04
1990-91	0.87
1991-92	1.82
1992-93	11.15
1993-94	7.77
1995-95	6.81
1995-96	12.14
1996-97	9.78
1997-98	10.26
1998-99	36.36
1999-2000	65.58
2000-01	58.57
2001-02	38.90
2002-03	37.12
2003-04	35.90
2004-05	30.77
2005-06	23.50
2006-07	25.27

DETAILS OF PROGRESS ACHIEVED DURING 2006-07 UP TO March 2007:

1. An amount of Rs.40.70 lakhs is paid as compensation for 7 affected structures up to RL.521 mtrs, and also enhanced compensation of Rs.267.42 lakhs paid as per court awards.
2. An amount of Rs.144.66 lakhs is paid as compensation for un-authorized structures. Rs.4.98 lakhs has been paid towards acquisition of lands etc. which includes enhanced compensation as per court awards.
3. Totally 56 sectors for PDF's. and 8sectors for Non PDF's are developed in unit-1 at Navanagar. During this year 25 plots are allotted to PDF's. For 86 PDFs and 19 Non PDFs permission have been given to construct their houses.
4. Rs. 2.20 lakhs have been paid as a house grants in the form of exgratia for 22 PDFs who are coming below Poverty line

10. Financial Progress.

Financial programme for the year 2006-07 is Rs.43.33 crores out of which an expenditure of Rs.25.27 Crores has been incurred up to end of March 2007.

The Details are as under:

(Rs.in Crores)

Sl. No.	Particulars	Programme	Progress
1	For A.I.B.P. Works	15.18	8.21
2	For Spl. Package.	22.02	10.37
3	For KBJNL Works	6.13	6.69
	Total	43.33	25.27

**PROJECTS UNDER
KARNATAKA NEERAVARI NIGAM
LIMITED**

C1. MALAPRABHA PROJECT

Brief description of the project:

Malaprabha project envisages construction of Dam across river Malaprabha near Manoli village in Saundatti taluk of Belgaum District and construction of canal system on both banks to irrigate 2,20,028 Ha. in Belgaum, Bagalkot, Dharwad and Gadag districts.

Cost of the project:

The estimate for Malaprabha Project for Rs. 162.09 crores (@ 1976-77 rates) is approved by Government of Karnataka vide No.PWD:59: GMP: 77 dated 4.1.1980. The present re-revised cost at 1999-2000 SR works out to Rs. 816.00 crores. The updated cost of the project at 2003-04 SR is Rs. 924.00 crores.

Stage of the Project as on March 2007:

Dam: The work of the main Dam is completed and full storage has been created.

Left Bank Canal: Works of Malaprabha Left Bank Canal upto Km-150 is completed. Remodelling of MLBC from Km. 3 to 5 is completed. Works in Km. 6 to 13, 37 to 39, 40 to 48, 52 to 56 and 58 are under progress.

Right Bank Canal: Works of Malaprabha Right Bank Canal upto Km 131 are completed and works from Km. 132 to 142 are under progress. Remodelling works in Km. 9 to 23 are completed, works in Km 24 to 32 are nearing completion and works in Km. 33, 35, 40, 42, 44, 45, 49 to 51, 55 to 57 are under progress.

Ten Foreshore Lift Irrigation Schemes have been completed. The irrigation potential of 196000 Ha. has been created to end of March 2006 by incurring an expenditure of Rs. 813.79 crores.

Budget grant and expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 105.17 crores is provided for creating a potential of 15,000 Ha. and an expenditure of Rs. 72.49 crores has been incurred up to end of March 2007 by creating irrigation potential of 9075 Ha.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs 60.00 Crores and potential creation targetted is 8631 Ha.

TABLE - II
DETAILS OF IRRIGATION POTENTIAL

					Potential in Ha
Name of the District	On full Development	Created to end of 3/2006	Program for creation during 2006-07	Potential created during 2006-07	Cumulative achievement to end of 03/2007
Belgaum	74043	73476	--	--	73476
Dharwad	41638	40987	--	--	40987
Gadag	80368	61920	11151	8726	70646
Bagalkot	23979	19617	3849	349	19966
Total	220028	196000	15000	9075	205075

TABLE - III
FINANCIAL ESTIMATE
Name of the Project: MALAPRABHA PROJECT

(Rs. in Lakhs)

Classification		Actual 2005-06	Expenditure 2006-07
(A)	Activity Classification		
a)	Reservoir (V)	121.99	141.21
	-do- (C)	-	-
b)	Dam & Appurtenant works	65.01	17.05
c)	Canal & Branches (V)	1689.59	2008.45
	(C)	-	-
d)	Distributories	912.59	3909.38
e)	Water Courses	104.85	194.35
f)	Roads	1.87	57.91
g)	Buildings	41.40	33.96
h)	Other Charges	1324.12	878.44
l)	Land Drainage	117.12	8.94
	Total A	4378.54	7249.09
(B)	Objective Classification		
a)	Salaries	720.68	670.30
b)	Dearness Allowance		
c)	Travel Expenses		
d)	Office Expenses		
e)	Pension	-	-
f)	Major and Minor works	3054.42	6370.65
g)	Machinery & Equipment	89.87	118.85
h)	Suspense	996.76	453.53
l)	Other Charges	-	-
	Total B	4861.73	7613.33
(C)	Deduct :		
	Suspense Credit (-)	94.57	50.30
	Receipt & Recoveries (-)	388.62	313.94
	Total C	483.19	364.24
	TOTAL (B-C)	4378.54	7249.09

TABLE IV
WORK LOAD SUMMARY

Activity	Total work load	Unit	Work completed to the end of 3/2006	Program during 2006-07	Achievement during 2006-07	Cumulative achievement to end of 03/2007
Dam and appurtenant works			The work is completed			
Main Canal and Branches						
A) MLBC						
a) Excavation	5183575	Cum	4610006	513769	361154	4971160
b) Embankment	6674283	Cum	6146256	503858	333419	6479675
c) C.D.Works	646	Nos.	486	147	14	500
d) Lining	106110	Rmt	71410	25200	24496	95906
B) MRBC						
a) Excavation	8724645	Cum	7688717	777800	268275	7956992
b) Embankment	4836350	Cum	3326882	677613	115745	3442627
c) C.D.Works	63	Nos.	36	27	24	60
d) Lining	1564229	Rmt	894301	282175	87292	981593

C2. GHATAPRABHA PROJECT

Brief Description of the project:

The project comprises of construction of Hidkal Dam across Ghataprabha River near Hidkal village in Hukkeri taluk of Belgaum District to benefit farmers of Belgaum and Bagalkot Districts. The Ghataprabha project is being implemented in three stages. The Stage-I and II comprising of construction of Hidkal Dam to partial height and unlined Ghataprabha Left Bank Canal have been completed at a cost of Rs. 72.42 crores. An irrigation potential of 1,39,614 Ha. under Stage-I and II has been created.

The Ghataprabha project stage-III comprises of:

- ❖ Raising of Hidkal Dam to its full height,
- ❖ Construction of Ghataprabha Right Bank Canal of length 202 Kms, Sangam Branch canal of 32 Kms and construction of Chikodi Branch Canal of length 88 Kms to irrigate 191386 Ha. (including area under three L.I.Schemes).
- ❖ Providing lining to the GLB Main canal branches and distributaries having discharge capacity of more than 20 cusecs.
- ❖ Construction of 3 lift irrigation schemes namely Rustumpur, Daddi-Naganur and Kotabagi for providing irrigation facilities to an area of 13,565 Ha.

Cost of the Project:

The estimate for Ghataprabha Project stage-III for Rs.90.54 crores (at 1975-76 rates) was cleared by the Planning Commission under No. II2 (56)/76, I/CAD dated 14.06.1976 and was administratively approved by the Government vide Govt. order No.PWD.147.MGP.76.dated 6.12.76. The present revised cost (at SR of 2003-04) works out to Rs. 1295.00 crores.

Stage of the Project as on March 2007:

- The work of Main Dam is completed and full storage has been created. The Ghataprabha Right Bank Canal up to Km 119 has been completed except balance lining work in Km. 82 & 83, 92, 110 & 111. The remaining works up to km. 190 are under progress (Km 110, 111, 120, 121, 125, 126, 127, 131, 135, 137, 146 and 187 are under progress). The works from Km 191 to 199 are under progress except Km. 95 & 96 which are completed. As per G.O. dated 17.12.2003, the GRBC is limited to 199 KM, deleting the atchkat covered under Sangam Branch Canal.
- All the works of Ghataprabha Left Bank Canal except lining are completed. Presently lining works are taken up. Lining for a length of 56.44 Km in main canal, 66.56 Km in branch canal & 309.49 Km in distributaries are completed. Balance lining works are being taken up.
- The Chikodi Branch Canal is completed upto Km-88.
- The cumulative irrigation potential of 265022 Ha. has been created to end of March 2006 by incurring an expenditure of Rs. 939.41 crores.

Budget grant and expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 162.24 crores is been provided for creating a potential of 35,000 Ha. and an expenditure of Rs. 115.52 crores has been incurred up to end of March 2007 by creating an irrigation potential of 31620 Ha.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 90.00 Crores and potential target is 5837 Ha.

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
Name of the Project: GHATAPRABHA PROJECT

Potential in Ha.

Name of the District	On full Development	Created to end of 3/2006	Program for 2006-07	Potential Created during 2006-07	Cumulative achievement upto 03/2007	Program creation during 2007-08
Belgaum	173408	158759	13768	10435	169194	5837
Bagalkot	137415	106263	21232	21185	127448	
Total	310823	265022	35000	31620	296642	5837

TABLE IV
WORK LOAD SUMMARY
Name of the Project: GHATAPRABHA PROJECT

Activity	Total work load	Unit	Work completed to the end of 3/2006	Program during 2006-07	Achievement during 2006-07	Cumulative achievement upto end of 03/2007
Dam and appurtenant works :			The work is completed except for Stoplog gates			
Main Canal and Branches						
Ghataprabha Right Bank Canal:						
a) Excavation	4856818	Cum	4152827	849087	479534	4632361
b) Embankment	2181265	Cum	2617745	296327	206993	2824738
c) C.D.Works	9285	Nos.	8649	822	443	9092
d) Lining	1736154	Sqm	1342058	501623	368660	1710718
Ghataprabha Left Bank Canal:						
Lining of GLB Canal :						
a) Main Canal	109000	Rmt	56574	25907	1645	58219
b) Branch Canal	209018	Rmt	70756	33239	18412	89168
c) Distributary	494	Kms	326.40	59.170	34.85	361.25

TABLE - III
FINANCIAL ESTIMATE
Name of the Project: GHATAPRABHA PROJECT

(Rs. In Lakhs)

Classification	Actual 2005-06	Expenditure 2006-07	Budget estimate 2007-08
Activity Classification			
Reservoir (V)	279.99	571.15	
-do- (C)	0.00	0.00	
Dam & Appurtenant works	126.25	63.93	
Canal & Branches (V)	3981.96	3940.31	
(C)	-	-	
Distributories	5324.24	5054.90	
Water Courses	30.51	23.90	
Roads	7.54	2.15	
Buildings	11.21	5.36	
Other Charges	2444.73	1889.38	
Land Drainage	3.22	0.47	
Total A	12209.65	11551.55	
Objective Classification			
Salaries	1139.78	1139.14	
Dearness Allowance			
Travel Expenses			
Office Expenses			
Pension	-		
Major and Minor works	85.86	9662.17	
Machinery & Equipment	1952.49	108.90	
Suspense	9764.92	1120.70	
Other Charges	-	-	
Total B	12943.05	12030.91	
Deduct :			
Suspense Credit (-)	29.34	19.24	
Receipt & Recoveries (-)	704.06	460.12	
TOTAL:	734.40	479.36	
TOTAL (B-C)	12209.65	11551.55	9000.00

C3. HIPPARAGI IRRIGATION PROJECT

Brief Description of the project:

The Hipparagi Project comprises of the construction of barrage across Krishna River near Hipparagi village in Athani taluk of Belgaum District. It is proposed to irrigate 74,742 Ha. of land through two Lift Irrigation Schemes viz., Haliyal and Ainapur in Athani and Chikodi taluks of Belgaum district and Jamakhandi taluk of Bagalkot district.

Cost of the Project:

The project was administratively approved for Rs. 186.70 crores (at 1985-86 level of rates). Government vide order No ID 17 HBP 2001: dated 16.6.2001 has accorded administrative approval to the modified project estimate costing Rs. 901.00 crores (SR 1999-2000). The present revised cost at SR 2003-04 works out to Rs. 1113.00 crores.

Stage of the Project as on March 2007:

The work of construction of spillway, non-overflow section, guide wall and erection of crest gates are already completed and water is being stored. In respect of Halyal, Ainapur Karimasuti and Savalgi – Tungal lift irrigation schemes, agencies for head works, pumping machineries are fixed and works are under progress.

Budget grant and expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 50.00 crores is been provided and an expenditure of Rs. 39.31 crores has been incurred up to end of March 2007.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 100.00 Crores and there is no potential creation target.

TABLE- II
DETAILS OF IRRIGATION POTENTIAL

(Potential in Ha.)

Name of the District	On full Development	Created to end of 3/2006	Program for creation during 2006-07	Potential Created during 2006-07	Cum. achievement to end of 03/2007	Program creation during 2007-08
Belgaum	65697	NO PROGRAMME				
Bagalkot	9045					
Total :	74742	0	0	0	0	0

**TABLE - III
FINANCIAL ESTIMATE**

(Rs. In Lakhs)

Classification	Actual 2005-06	Expenditure 2006-07	Budget estimate 2007-08
A. Activity Classification			
Reservoir	0.10	--	
Contingency Plan	--	--	
Dam & Appurtenant works	277.09	276.37	
Canal & Branches	2010.63	2707.08	
Distributories	--	--	
Water Courses	--	--	
Roads	348.74	477.94	
Buildings	71.02	39.30	
Other Charges	2153.26	430.06	
Land Drainage	--	--	
Total A	4860.84	3930.75	
B. Objective Classification			
Salaries	189.81	196.14	
Dearness Allowance			
Travel Expenses			
Office Expenses			
Pension	--	--	
Major and Minor works	2707.58	3500.69	
Machinery & Equipment	13.12	12.42	
Suspense	2179.32	509.48	
Other Charges	--	--	
Total B	5089.83	4218.73	
C. Deduct :			
Suspense Credit (-)	70.41	0.72	
Receipt & Recoveries (-)	158.58	165.57	
TOTAL C	228.99	287.98	
TOTAL	4860.84	3930.75	10000.00

**TABLE IV
WORK LOAD SUMMARY**

Name of the Project: HIPPARAGI IRRIGATION PROJECT

Activity	Total work load	Unit	Work completed to the end of 03/2006	Program during 2006-07	Progress during 2006-07	Cum. achieve ment to end of 03/2007
Dam and Allied works:						
Construction of spillway non-overflow section and guidewall of Hippargi Barrage Project including end connections and works completed.						
LIFT IRRIGATION						
Excavation	1915984	Cum	319794	1522621	540657	860451
Embankment	958003	Cum	271244	661406	148069	419313
Lining i)	37834	Cum	1470	35008	6760	8230
ii)	310469	Sqm	--	310469	165	165
Concrete	21908	Cum	7356	14552	2742	10098
C.D. works	196	NOs.	12	167	40	52

C4. MARKANDEYA RESERVOIR PROJECT

Brief Description of the project:

The project envisages construction of a concrete Dam across Markandeya River near Shirur village in Hukkeri taluk and two Earthen Dykes near Rangadhali village, Belgaum taluk, Belgaum district. Two canals are proposed to irrigate 19,105 Ha. in Belgaum district.

Cost of the Project:

Government vide order No.ID.10.MMM.87, Bangalore dated 18.12.96 has accorded administrative approval to this project costing Rs. 120.00 crores. The estimated cost is subsequently revised for Rs. 209.85 crores. The updated cost of the project at SR 2003-04 level of rates is Rs. 341.72 crores.

Stage of the Project as on March 2007:

The estimate for Dam and allied works has been cleared by the Technical Advisory Committee and MIPC Board and technically sanctioned for Rs. 84.70 crores. The work of Dam and Allied works is entrusted to the M/s KSCC Limited. The construction of Earthen Dyke 1 & 2 is completed. The concrete work of dam is completed. Fabrication and erection of all the 6 gates are completed. Parapet works on top of dam is under progress.

The works of main canal of Markandeya Right Bank Canal from Km.1 to 71 are completed except lining in Km. 5 to 10 which are in progress. Works of distributary upto block No. 45 are completed except works of distributary No. 2, 3 & 12 are under progress.

The Malaprabha Left Bank Canal from Km.1 to 15 is completed except works in Km. 1 to 6 which are in progress.

Budget grant and expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 34.45 crores is been provided for creating a potential of 720 Ha. and an expenditure of Rs. 10.28 crores has been incurred up to end of March 2007 by creating irrigation potential of 700 Ha.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 10.00 Crores and irrigation potential targeted is 20 Ha.

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
Name of the Project: MARKANDEYA RESERVOIR PROJECT

Potential in Ha.

Name of the District	On full Development	Created to end of 3/2006	Program for creation during 2006-07	Potential Created during 2006-07	Cumulative progress to end of 03/2007	Program creation during 2007-08
Belgaum	19105	16665	720	700	17365	20
Total	19105	16665	720	700	17365	20

TABLE - III
FINANCIAL ESTIMATE
Name of the Project: MARKANDEYA RESERVOIR PROJECT

Rs. in lakhs

Classification	Actual 2005-06	Expenditure 2006-07	Budget estimate 2007-08
A. Activity Classification			
Reservoir (V)	73.21	87.59	
-do- (C)	--	--	
Dam & Appurtenant works	752.34	357.06	
Canal & Branches (V)	721.91	180.34	
(C)	--	--	
Distributories	478.10	232.85	
Water Courses	--	--	
Roads	--	0.68	
Buildings	1.86	--	
Other Charges	297.68	170.00	
Land Drainage	--	--	
Total "A" :	2325.10	1028.52	
B. Objective Classification			
Salaries	--	--	
Dearness Allowance	--	--	
Travel Expenses	--	--	
Office Expenses	--	--	
Pension	--	--	
Major and Minor works	2027.42	858.52	
Machinery & Equipment	0.03	--	
Suspense	370.83	206.01	
Other Charges	--	--	
Total "B" :	2398.28	1064.53	
C. Deduct :			
Suspense Credit (-)	--	--	
Receipt & Recoveries (-)	73.18	36.01	
TOTAL :	2325.10	1028.52	1000.00

TABLE IV
WORK LOAD SUMMARY
Name of the Project: MARKANDEYA RESERVOIR PROJECT

Activity	Total work load	Unit	Work completed to the end of 3/2006	Program during 2006-07	Achievement during 2006-07	Cum. achieve ment to end of 03/2007
Dam and appurtenant works :						
Dam sections : overflow section & non-overflow section.			----- Works completed -----			
Design & fabrication supply, erection of 6 Nos.Radial gates.			----- Works completed -----			
Earthen dam			----- Works completed -----			
Head Regulator			----- Works completed -----			
Main Canal & Branches						
Excavation	2155859	Cum	2040983	114876	31924	2072907
Embankment	753386	Cum	638262	115124	17455	655717
C.D.works.	1250	Nos.	1095	155	56	1151
Lining						
i) C.C. Lining.	2592645	Cum	2511270	81375	10315	2521585
ii) UCR	911	Cum	903	8	--	903
iii) PCC Slab.	52244	Sqm.	51285	959	--	51285

C5. HARINALA IRRIGATION PROJECT

Brief Description of the project:

Harinala irrigation project comprises of construction of an earthen dam near Tigadi village of Bailhongal taluk in Belgaum district to provide irrigation facilities to 3,480 Ha. of land. One Ogee type crested masonry weir is proposed in the dividing ridge of Harinala and Chikkahalla. The flood water of Chikkahalla is diverted into Harinala through the feeder channel. The Earthen Dam is provided with Left Bank Canal of length of 9.00 Km irrigating area of 930 Ha. and Right Bank canal of length of 10.72 Km irrigating an area of 2,550 Ha.

Cost of the Project:

The Project is approved by Government under No.PWD.46.MBI.59 dated 12/16.08.60 for Rs. 0.83 crores. Revised estimate of Rs. 14.88 crores at 1991-92 rates is administratively approved by Government vide G.O.No.ID:114: MPS: 92 Bangalore dated 23.03.93. Administrative approval of the Government for the Revised Project estimate amounting to Rs. 26.95 crores accorded by Government in their order No.ID.114.MPS.92 dated 11/14-09-1998. The cost of the project at SR 99-2000 is Rs. 68.93 crores.

Stage of the Project as on March 2007:

The dam and Allied works of the project have been entrusted to M/S. KSCC Limited. The Dam work is completed. Excavation for Left Bank Canal from Km.1 to 9 and Right Bank Canal from Km.1 to 10.72 km is completed except balance works in some reaches. Rehabilitation works are completed. FIC works under LBC and RBC are under progress.

Budget provision and expenditure during 2005-06:

For the year 2005-06, an amount of Rs. 0.70 crores is been provided and an expenditure of Rs. 5.47 crores has been incurred up to end of 03/2006.

Budget grant and anticipated expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 1.00 crores is been provided and an expenditure of Rs. 1.91 crores has been incurred up to end of March 2007 with no creation of irrigation potential.

Budget requirement for 2007-08: There is no financial target for the year 2007-08.

TABLE- II
DETAILS OF IRRIGATION POTENTIAL
Name of the Project: HARINALA IRRIGATION PROJECT

Potential in Ha.

Name of the District	On full Development	Created to end of 03/2006	Program for creation during 2006-07	Potential Created during 2006-07	Program for 2007-08
Belgaum	3480	3480	--	--	--
Total	3480	3480	--	--	--

TABLE - III
FINANCIL ESTIMATE
Name of the Project: HARINALA IRRGN. PROJECT

(Rs. In Lakhs)

Classification	Actual 2005-06	Expenditure 2006-07	Budget estimate 2007-08
Activity Classification			
Reservoir (V)	--	--	
-do- (C)	--	--	
Dam & Appurtenant works	0.04	155.39	
Canal & Branches (V)	0.22	0.54	
(C)	--	--	
Distributories	--	--	
Water Courses	16.10	7.11	
Roads	--	--	
Buildings	--	--	
Other Charges	530.93	27.88	
Land Drainage	--	--	
Total "A" :	547.29	190.92	
Objective Classification			
Salaries	--	--	
Dearness Allowance	--	--	
Travel Expenses	--	--	
Office Expenses	--	--	
Pension	--	--	
Major and Minor works	16.36	163.04	
Machinery & Equipment	--	--	
Suspense	531.36	27.98	
Other Charges	--	--	
Total B	547.72	191.02	
Deduct :			
Suspense Credit	--	--	
Receipt & Recoveries	0.43	0.10	
TOTAL :	547.29	190.92	0.00

TABLE-IV
WORK LOAD SUMMARY
Name of the Project: HARINALA IRRIGATION PROJECT

Activity	Total work load	Unit	Work completed to the end of 3/2006	Program during 2006-07	Achieve ment during 2006-07	Cumulative achievement
Dam & appurtenant works	As per G.O. No.ID.114.MPS.92. Dt.11/14.9.1998,the Dam and allied works of the Project has been entrusted to M/S. KSCC Limited., Bangalore. The work is completed.					
Main Canal and Branches	Work completed					
Distribution system	Work completed					

C6. UPPER TUNGA PROJECT

Brief description of the project:

Upper Tunga project comprises of construction of a new dam on the down stream of existing Tunga Anicut, which is already completed. It is programmed to create an irrigation potential of 80,494 hectares in Shimoga, Davanagere and Haveri Districts by utilising 12.24 TMC of water from Tunga River.

Cost of the project:

Government has accorded administrative approval vide No.ID: 25: MMM: 91: Bangalore dtd: 3-10-1991 for Rs. 27141.00 lakhs for this project and the revised Cost of the project is 1644.11 crores.

Stage of the Project as on March 2007:

Dam and allied works:-

The Government vide G.O. No. 3065:MMM: 91 Bangalore dtd: 27-2-99 has accorded administrative approval of Rs. 92.00 crores towards construction of new dam, which was entrusted to M/s Mysore Construction Company, Bangalore, and the work is now completed. The erection of crest gates was entrusted to M/s Kerala Electricals Ltd., on tender basis and erection works are now completed.

Canal and Distributary Network: -

Presently main canal alignment is approved upto 244 Km. Canal work upto km 192 is under different stages of progress including tunnel work from km 165.50 to 174.00. Estimates are under preparation from Km 192 to Km 244. Works are under different stages of progress in Distributary 1 and 2.

Budget grant and anticipated expenditure during 2006-07:

For the year 2006-07, a grant of Rs. 147.00 crores has been allocated, out of which an expenditure of Rs. 129.29 crores has been incurred upto end of March 2007 and cumulative expenditure incurred since inception is Rs. 726.01 crores.

For taking up FIC work during the current year an allocation of Rs. 3.00 crores is being made separately under which no expenditure is incurred so far since estimates for FIC works are under preparation.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs120.00 Crores.

TABLE-I

NAME OF THE PROJECT	Upper Tunga Project
Estimated Cost	Rs. 1052.33 Crore
Stage of Work:	Work is under progress
a) Budget Grant for 2005-2006	Rs.11300.00 lakhs
b)Actual Expenditure during 2005-2006	Rs.11628.83 lakhs
c) Reasons for excess or shortfalls	Due to variation in classification and EFI for other reasons.
d) Budget Grant for 2006-2007	Rs.14700.00 lakhs
e) Expenditure during 2006-07	Rs. 129.29 lakhs
f) Budget requirement for 2007- 2008	Rs. 64055.00 lakhs
g) Irrigation Potential created during 2006-07	Nil

**TABLE-II
DETAILS OF IRRIGATIONAL POTENTIAL**

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created during 2005-06	Potenital created during 2006-07	Programme during 2007-08
1	Shimoga	80494	-	-	22005

**TABLE-III
FINANCIAL ESTIMATE**

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-2006	Revised estimate 2006-07	Budget Grant for 2007-08
A)	ACTIVITY CLASSIFICATION:			
	a) Distributories	768.44	164411.00	12000.00
	b) Roads	-		
	c) Buildings	74.80		
	d) Other Charges	-		
	Total:	843.24		
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	612.72	164411.00	12000.00
	b) Major Minor Works	9915.87		
	c) Machinery & Equipment	42.46		
	d) Suspense debit	495.08		
	e) Other Charges	-		
	Total(-)	11066.13		
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	1.18	164411.00	12000.00
	b) D.R.C.A.	279.36		
	Total:	280.54		
	Total (B+C)	11628.83	164411.00	12000.00

**TABLE-IV
WORKLOAD SUMMARY
Name of Project: Upper Tunga Project**

Sl. No	Activity	Total Work Load	Unit	Achievement during 2006-07	Program for 2007-08
1	2	3	4	5	6
1	Earth work excavation	22209653	Cum.	25,15,585	12000.00 lakhs
2	Lining	339Km		13,23,773	
3	Distributory	6	No	-	
4	C.D.works	413	NO	316	

C7. SINGTALUR LIFT IRRIGATION SCHEME

Brief description of the project:

The project comprises of construction of barrage across Tungabhadra river near Hammige village of Mundargi taluk in Gadag District to provide an irrigation facility to an extent of 48,679 hectares with an irrigation intensity of 117% using 12.03 TMC of water.

Cost of the project:

Government has accorded administrative approval vide No.ID: 90: MTP: 98: Bangalore dated: 19-12-2000 for Rs. 595.00 crores for this project.

Stage of the Project as on March 2007:

BARRAGE: The government of Karnataka has directed to continue the balance works of barrage and other allied works through M/s KSCC vide GO Dt. 6-12-2003. Accordingly the works are taken up. Out of 26 blocks, concreting in all the blocks is completed up to crest level except in block no.6 and 7. Fabrication of 26 nos of gates is completed. Erection work will be taken up after the commencement of barrage works.

CANAL WORKS ON RIGHT SIDE:

Rajawala Branch Canal: Balance works of 4Km length of canal is in progress.

Ayyanahalli Branch Canal: Balance works of 3.7 Km length of canal is in progress.

Magala and Hadagali Branch Canal: Estimates in respect of Magala Branch canal has been submitted for approval.

1st stage Lift: The work is entrusted to M/s SPML and the work is in progress. Designs and drawings of jack well cum pump house works are approved. EWE and PCC is completed. Raft work is also completed. Design and drawings of mechanical works are approved. Designs and drawings of M.S. rising main are approved. EWE is complete for laying the rising main M.S.rising main. 38 PSC pipes are supplied at site out of 200 pipes manufactured in the factory. All sites of right side 1st stage lift are handed over to contractor except the Magala rising main. Jack well cum pump house, surge tank and 2nd delivery chamber works are under progress.

CANAL WORKS ON LEFT SIDE:

Intake canal: Earth work excavation of intake canal from 0 to 6.71 Km is under progress.

Mundwada and Hammige Lift: The tenders are invited to take up the work on turnkey basis. The preparation of estimates and DTP are under progress for placing before TSC of KNNL.

Left side 1st Lift: The tenders are invited to take up the work on turnkey basis. The preparation of estimates and DTP are under progress for placing before TSC of KNNL.

Budget provision and expenditure during 2005-06: For the year 2005-06, an amount of Rs. 27.50 crores is been provided and an expenditure of Rs. 45.65 crores has been incurred up to end of 03/2006.

Budget grant and expenditure during 2006-07:

Financial programme for the year 2006-07 is Rs. 40.00 crores and an expenditure incurred up to end of March 2007 is Rs. 49.17 crores with no irrigation potential creation.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 50.00 Crores.

TABLE - 1

NAME OF THE PROJECT: SINGATALUR LIFT IRRIGATION SCHEME	
Budget grant for 2005-06	Rs. 2750.00 lakhs
Actual Expenditure during 2005-06	Rs. 4565.35 lakhs
Budget grant for 2006-07	Rs. 4000.00 lakhs
Expenditure during 2006-07	Rs. 4916.00 Lakhs.
Budget requirement for 2007-08	Rs. 5000.00 lakhs

TABLE-II**DETAILS OF IRRIGATION POTENTIAL****NAME OF THE PROJECT: SINGATALUR LIFT IRRIGATION SCHEME****(Potential in Ha)**

Sl. No.	Name of District	On full development	Created during 2005-06	Potential Created during 2006-07	Programme during 2007-08
1	Gadag	29173	--	--	--
2	Koppal	5016	--	--	--
3	Bellary	14490	--	--	--
Total		48679	--	--	--

TABLE-IV**WORK LOAD SUMMARY****NAME OF THE PROJECT: SINGATALUR LIFT IRRIGATION SCHEME**

Sl. No.	Activity	Total work load	Unit	Achievement during 2005-06	Achievement during 2006-07	Programme for 2007-08
1	Barrage Allied works	EWE	Cum	484508	45000	-
		EMB	Cum	419283	39000	-
		PCC	Cum	53235	21700	5000
		RCC	Cum	13851	21000	6000
	Intake Canal	EWE	Cum	-	512983	476139
2	Canals & Branchs	EWE	Cum			1220831
		EMB	Cum			326886
		Concrete	Cum			25104

TABLE- III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: SINGATALUR LIFT IRRIGATION SCHEME
(Rs. in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A)	ACTIVITY CLASSIFICATION			
	a) Dam & Allied Works	4517.60	3156.45	2748.00
	b) Distributaries	-	-	
	c) Canals & Branches	-	-	2100.00
	d) Roads	-	-	
	e) Buildings	13.96	10.85	50.00
	f) Other Charges	-	-	
	Total A	4531.56	3167.30	4898.00
B)	OBJECTIVE CLASSIFICATION.			
	a) Salaries	39.65	40.33	100.00
	b) Major Minor Works	-	-	
	c) Machinery & Equipment	2.92	1.97	2.00
	d) Suspense debit	0.35	-	
	e) Other charges	-	-	
	Total B	42.92	42.30	102.00
C)	DEDUCT RECOVERIES			
	a) Suspense credit	-	0.24	
	b) D.R.C.A.	9.13	2.24	
	Total C	9.13	2.48	
	Total (A+B-C)	4565.35	3207.12	5000.00

C8. BHIMA LIFT IRRIGATION SCHEME

Brief Particulars of the Project:

Bhima Lift Irrigation envisages construction of Earthen Dam with central concrete spillway with crest gates to discharge 9.00 Lakh Cusecs of water. The Dam site is proposed near Sonna (K) village of Afzalpur Taluk in Gulbarga District and providing two lift irrigation points to draw water from the Reservoir, for creation of 24,292 hectares of irrigation Potential.

Cost of the Project:

The Project is administratively approved by Government vide Govt. Order No. ID 39 MMM 92 Bangalore dated 18-4-1992, for Rs. 94.17 Crore and technically sanctioned by the Chief Engineer, ID., I.P. Zone, Gulbarga, for Rs.107.70 Crore at 1993-94 rates. Revised cost is Rs. 153.00 Crore. Revised estimate for Rs.275.53 Crores (1998-99 Rates) has been proposed.

Stage of the project as on March 2007:

Dam works:- Earthen embankments on left flank and right flank are completed. Central concrete spillway work in the river course is in progress. Fabrication of gates is under progress.

Lift Points:

Balundagi Lift point: Balundagi lift point work consisting of jack-well, pump house, raising main etc., are entrusted to M/s Kirloskar Bros. Ltd., and work is in progress.

Allagi Lift point: Allagi lift point work consisting of jack-well, pump house raising main etc., are entrusted to M/s Laxmi Civil Engineering Company, Kolhapur and work is in progress.

Main Canal:- Balundagi Lift Canal and Allagi lift canal proposed with lengths of 61.20 km. and 35.40 km. respectively. Balundagi canal work from 0 to 25 is in progress and 25 to 45 km. is in tender process. Allagi canal from 0 to 20 km. is in tender process.

R&R: - 9 villages are partially affected and 2 villages are fully affected. Works of Balundagi Rehabilitation Centre is in progress. Acquisition proposal is under process. 9 R & R centres are in proposal stage.

Achakat: - Contemplated irrigation potential is 24292 Ha. It is programmed for completion by 2008-09.

FIC:- Main Canal / distributary net work system is in survey stage.

TABLE-I

(a)	Budget grant for 2005-06	Rs. 34.00 Crores.
(b)	Actual expenditure during 2005-06.	Rs. 37.50 Crores.
(c)	Reasons for excess or shortfall.	Rs. 3.50 Crores.
(d)	Budget grant for 2006-07.	Rs. 50.00 Crores.
(e)	Expenditure during 2006 07.	Rs. 36.63 Crores.
(f)	Budget requirement for 2007-08	Re. 80.00 Crores.

TABLE-II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: BHIMA LIFT IRRIGATION SCHEME

(Potential in Ha.)

Sl. No	Name of district	On full development (in ha)	Created during 2005-06	Potential Created during 2006-07	Programme during 2007-08
1)	Gulbarga.	24292	-	-	2000 Ha.

TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: BHIMA LIFT IRRIGATION SCHEME

(Rs.in Lakhs)

Sl. No	Classification	Actual 2005-06	Revised estimate 2006-07	Actual for 2006-07
(A)	Activity classification			
	a) Distributaries.	-	-	-
	b) Roads.	59.67	-	26.66
	c) Building.	62.57	4583.00	63.24
	d) Other charges (LAQ)	-	360.00	-
	Total A	122.24	4943.00	89.90
(B)	Objective Classification			
	a) Salaries.	132.62	57.00	142.25
	b) Major Minor works.	-	-	-
	c) Machinery and Equipment.	5.30	-	15.09
	d) Suspense debit.	-	-	142.30
	e) Other charges.	3470.35	-	3350.68
	Total B	3608.27	5000.00	3650.32
	C) Deduct Recoveries			
	a) Suspense credit.	-	-	5.73
	b) DRCA	26.11	-	71.92
	Total C	(-) 26.11	-	77.65
	Total (A+B-C)	3704.40	5000.00	3662.57

**TABLE - IV
WORK LOAD SUMMARY**

Sl. No.	Activity	Total work load	Unit of work	Work completed upto 3/06	2006-07		Programme for 07-08.
					Programme	Achievement	
1)	Reservoir	1093.30	Ha	Land Acq. for colony, L/s Approach road seating of bund and for submergence (partly) are completed.	2659 Acres (for roads balance submergence Reh. centre and Canal upto 30km. length)	545A-22 G	2113A-18G.
2)	Dam & Appt. works.						
	1. Embankment	159823	Cum	(i) Left flank and right flank embankment are completed	Nil	Nil	Nil
	2. Concrete	141181	Cum	152110	141181 M ³	-	
	3. Excavation	296194	Cum	230657	65537 cum	7213	Balance 58324 cum will be done during 2007-08.
3)	Canals & Branches.						
	1. Balundagi lift canal	61.20+ length of Distributaries	Km	Survey work of canal entrusted to the consultancy and new estimates are being prepared.	Survey work in full including preparation of estimates /branches	Survey works upto 40 km. of Balundagi Lift canal including preparation of estimates completed	Canal along with distributaries upto 40 km. will be taken up.
	2. Allagi (B) Lift canal	35.40 + length of distributaries					Canal along with distributary upto km. will be taken up.
4)	Roads	5 Nos 11.80	Kms.	2 Nos / 3.90 km. completed	3 Nos/7.90 kms.	Under progress	--

C9. GANDORINALA PROJECT

Brief Particulars of the Project:

The Gandorinala Project envisages construction of Dam across Gandorinala River near Belkota village in Gulbarga Taluk of Gulbarga District to create an irrigation potential of 8,094 hectares.

Cost of the Project:

The project is administratively approved vide Government Order No. ID 110 MTZ 85, Bangalore, dated: 23-5-1992 for Rs.66.00 Crore and technically sanctioned by Chief Engineer, ID, I.P.Zone, Gulbarga for Rs.66.00 Crore at the 1992-93 Rates. The revised cost of the project is Rs. 212.33 Crores.

Stage of the project as on March 2007:

Dam: Dam works are completed and water is stored since 2002.

Canal and distributary: Total length of Right Bank Canal is 7 Kms. and all the works are completed. Total length of Left Bank Canal is 90 kms. Works are completed upto length of 25 kms. and work are under progress in the remaining reaches of the canal.

R&R works: Two rehabilitation centres are completed and villagers are shifted to these rehabilitation centres.

Total contemplated achakat is 8094 Ha. Potential created during 2006-07 is 1587 Ha. up to end of March 2007. It is programmed to create balance potential of 2507 ha. during 2007-08.

FIC: Out of contemplated achakat of 8094 Ha. FIC provided to end of 03/2007 is 2002 ha. It is programmed to complete FIC for balance area of 6092 ha. during 2007-08.

TABLE-I

a)	Budget grant for 2005-06	Rs. 30.00 Crores.
(b)	Actual expenditure during 2005-06	Rs. 28.81 Crores.
(c)	Reasons for excess or shortfall	Rs. 1.19 Crores (Short)
(d)	Budget grant for 2006-07	Rs. 50.00 Crores.
(e)	Expenditure during 2006-07	Rs. 35.04 Crores.
(f)	Budget requirement for 2007-08	Rs. 23.00 Crores.
(g)	Irrigation potential created during 2006-07	1587 Hectares.

TABLE-II

**DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: GANDORINALA PROJECT**

Potential in Ha.

Sl. No.	Name of district.	On full development (in ha)	Created during upto end of 3/06	Potential created during 2006-07	Programme during 2007-08.
1.	Gulbarga	8094	4676	1587 Ha.	2831 Ha.

TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: GANDORINALA PROJECT

(Rs.in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Actual for 2006-07
(A) Activity classification				
	a) Distributaries.	368.58	3788.00	507.31
	b) Dam & allied.	-	255.00	-
	c) Buildings.	-	-	-
	d) Other charges (LAQ)	0.03	290.00	177.48
	Total A	368.61	4333.00	684.79
(B) Objective Classification				
	a) Salaries.	107.92	144.00	102.50
	b) Major Minor works.	-	-	-
	c) Machinery and Equipment.	4.69	-	4.52
	d) Suspense debit.	1224.27	-	547.29
	e) Other charges. (LAQ)	1243.52	723.00	2167.23
	Total B	2580.31	867.00	2821.54
(C) Deduct Recoveries				
	a) Suspense credit.	-	-	-
	b) DRCA	67.70	-	2.09
	Total	67.70	-	2.09
	Total (A+B+C)	2881.22	5200.00	3504.24

TABLE-IV
WORK LOAD SUMMARY

Sl. No	Activity	Total work load	Unit of work	Work completed upto 3/06	2006-07	
					Programme	Achievement
1)	Unit-1 Head works: Dam					
	Earth work	1502980	Cum	Work completed and water is stored in the reservoir.		
	Concrete	48880	Cum			
	Lining	-	-			
	Gates	8 Nos	Nos			
2)	Unit-II: Main Canal.					
	Earth work	2492450	Cum	-	2192450	300000
	Concrete	38260	Cum	-	23260	15000
	Lining.	370400	Sqm	-	271390	99100
	Structures	444	Nos	-	294	150

10. TUNGA LIFT IRRIGATION SCHEME

Brief description of the project:

Tunga lift irrigation scheme comprises of lifting water from the backwaters of Upper Tunga Reservoir to feed the suffering atchkat of 2090 hectares of Haihole, Barehalla and Gowdanakere Tanks of Shimoga Taluk. It is proposed to utilise 1.428 TMC of water from Tunga Reservoir.

Cost of the Project:

Government has accorded administrative approval vide No. ID 68: MMM: 95: Bangalore dated 27-2-99 for Rs. 24.12 Crores of technical sanction is accorded for the same amount on 30-03-1999.

Stage of the project as on March 2007:

The project is planned to be implemented in two stages.

In the 1st stage, 105 cusecs of water is lifted from backwaters of existing Tunga anicut near Sakkarebylu village, to a height of 61.90 meters using 5 pumps of 1000 HP to feed Haihole tank through contour canal for a distance of 10.50 Km. And then 70 cusecs of water is lifted from Haihole tank, to a height of 42.70 m by using 5 pumps of 400 HP to feed Barehalla tank.

In the 2nd satge, 21.35 cusecs of water is lifted from Barehalla tank to a height of 32.70m using 5 pumps of 150 HP and raising main of length 1425 m. to feed Gowdanakere tank.

The Main Canal of the project runs in Sakrebylu wild life forest, necessary proposal for Diversion of forest Land has been made with forest authorities and this project will be started soon after obtaing necessary clearance from the Government.

Budget grant and anticipated expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 0.50 crores is been provided and no expenditure has been incurred till date.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 0.50 Crores.

TABLE-I

NAME OF THE PROJECT	Tunga LIS
Estimated Cost	Rs. 2412.00 lakhs
Stage of Work:	Work to be started.
a) Budget Grant for 2005-2006	Rs. 50.00 lakhs
b)Actual Expenditure during 2005-2006	-
c) Reasons for excess or shortfalls	Works to be started
d) Budget Grant for 2006-2007	Rs. 50.00 lakhs
e) Expenditure anticipated during 2006-07	-
f) Budget requirement for 2007- 2008	Rs. 50.00 lakhs
g) Irrigation Potential created during 2006-07	Nil

TABLE-II
DETAILS OF IRRIGATIONAL POTENTIAL
NAME OF PROJECT: TUNGA LIFT IRRIGATION

Sl.No.	Name of District	On full development (In Ha.)	Created by during 2005-06	Protenital created during 2006-07	Programme during 2007-2008
1	Shimoga	2065	-	-	-

TABLE-III
FINANCIAL ESTIMATE
NAME OF PROJECT: TUNGA LIFT IRRIGATION

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget Grant for 2007-08
A)	ACTIVITY CLASSIFICATION			
	a) Distributaries	-	2412.00	50.00
	b) Roads	-		
	c) Buildings	-		
	d) Other Charges	-		
	Total A	-		
B)	OBJECTIVE CLASSIFICATION			
	a) Salaries	-	2412.00	50.00
	b) Major Minor Works	-		
	c) Machinery & Equipment	-		
	d) Suspense debit	-		
	e) Other Charges	-		
	Total B	-		
C)	DEDUCT RECOVERIES			
	a) Suspense Credit	-		
	b) D.R.C.A.	-		
	Total:	-		
	Total (B+C)	-	2412.00	50.00

TABLE-IV
WORK LOAD SUMMARY
NAME OF PROJECT: TUNGA LIFT IRRIGATION

Sl. No.	Activity	Total Work Load	Unit	Achievem ent during 2005-06	Anticipated Achievement during 2006-07	Programme work for 2007-08
1	2	3	4	6	7	8
1	Work to be started	2412.00 lakhs	Cum, Sqm, Nos., Etc.,	-	-	50.00 lakhs

C11. KALASA – BHANDURNALA DIVERSION SCHEME

Brief Description:

The details of Kalasanala and Bhandurnala diversion schemes are as detailed below:

Sl. No.	Details	Kalasanala diversion scheme	Bhandurnala diversion scheme
1.	Purpose	To divert 3.56 TMC of water into Malaprabha river	To divert 4.00 TMC of water into Malaprabha river.
2.	Estimated cost	Rs. 44.78 crores	Rs. 49.20 crores
3.	Source of water	Kalasa, Surla and Haltara Nalas	Bhandur Nala and Singar Nala.
4.	Location	Near Kanakumbi village in Khanapur taluk.	Near Nerse village in Khanapur taluk.

Cost of the Project:

Government has accorded administrative approval to the above two projects on 22.8.2000, amounting to Rs. 44.78 crores and Rs. 49.20 crores respectively. The technical sanction is also accorded to the project estimates during 3/2002. Total amount of Rs.93.98 crores is required for taking up these projects.

Central Government has accorded in principle clearance to utilise 7.56 TMC of water. Later the same has been withdrawn. Efforts are being made at Government level to obtain the clearance again from Government of India. Proposals to acquire forest land have also been submitted to the Central Government.

Government vide order No. JA SAM E 22 VIBYATA 2004 (Part-1) Bangalore dated: 9-10-2006 has given approval to take up the works of Kalasanala diversion Channel for a length of 4.8 Km in non-Forest area and works of Bhandurnala diversion Channel for a length of 4.9 Km in Non-Forest area.

Stage of the Project as on March 2007:

Works of diversion channel of Kalasa Nala project has been entrusted on piecework basis and the works are under progress.

The survey work of diversion channel of Bhandurnala project, has been stopped by the villagers of "Nerse", action is being taken to approve the alternative alignment after detailed survey.

(Rs. in crores)

	Particulars	Kalasa nala Project	Bhandur nala project
b)	i) Budget grant for 2005-06	5.00	5.00
	ii) Actual expenditure during 2005-06	1.125	0.226
c)	i) Budget grant for 2006-07	0.50	0.50
	ii) Expenditure during 2006-07	0.39	0.003
d)	Budget requirement for 2007-08	13.78	13.22

C12. DUDHGANGA IRRIGATION PROJECT

Brief description:

Dudhganga irrigation project is a joint venture of Karnataka and Maharashtra States. The project envisages construction of Masonry Dam across Dudhganga River (a tributary to Krishna River) near Asagaon in Kolhapur district of Maharashtra state and construction of canals on either bank. The irrigable command area in Karnataka is 15,167 Ha. in Chikodi taluka of Belgaum district.

Cost of the Project:

The revised cost of the project is Rs. 798.65 crores (at 1997-98 rates) as intimated by Government of Maharashtra. The estimated cost of the project for the Karnataka component of works including share amount is Rs. 124.00 crores and administrative approval has been accorded by the Government vide G.O. dated 17.04.2002.

Stage of the project as on March 2007:

The canal works of the Dudhganga Project in Maharashtra have been taken up by Government of Maharashtra and works of canal tailing into Karnataka has to be taken up by Government of Karnataka.

Works of Nidhori branch canal from Km.25 to 47 are completed, and works from Km.48 to 50 are under progress. Distributary works of block no.1, 3 to 11 of Nidhori branch canal are completed. Work in distributary 12 is under progress.

Alignment of Bidari branch canal at the crossing point of Karnataka State border is taken up. Alignment of canal from the first entry to Karnataka i.e., at ch.43+343 km to 66 km is approved. The works from Km. 44 to 58 are taken up. Estimates of Km. 59 to 62 are under preparation. Survey works of Dattawad Branch canal are under progress.

Budget provision and expenditure during 2005-06:

For the year 2005-06, an amount of Rs.12.65 crores is been provided and an expenditure of Rs. 11.68 crores has been incurred up to end of 03/2006.

Budget grant and anticipated expenditure during 2006-07:

For the year 2006-07, an amount of Rs. 15.00 crores is been provided for creating a potential of 1280 Ha. and an expenditure of Rs.12.985 crores has been incurred up to end of March 2007.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 10.00 crores with a targetted irrigation potential of 500 Ha.

TABLE - II

DETAILS OF IRRIGATION POTENTIAL

Name of the Project DUDHGANGA PROJECT

(Potential in Ha.)

Name of the District	On full Development	Created upto end of 3/2006	Program during 2006-07	Potential created during 2006-07	Cum. achievement	Program creation during 2007-08
Belgaum	15167	3799	1280	--	3799	
Total	15167	3799	1280	--	3799	--

TABLE - III
FINANCIAL ESTIMATE
Name of the Project: DUDHAGANGA PROJECT

(Rs. in Lakhs)

Classification	Actual 2005-06	Expenditure 2006-07	Budget estimate 2007-08
Activity Classification			
Reservoir	--	--	
Dam & Appurtenant works	525.99	--	
Canal & Branches	397.85	446.89	
Distributories	277.08	50.72	
Water Courses	--	--	
Roads	2.64	--	
Buildings	--	--	
Other Charges	-35.99	5.13	
Land Drainage	--	--	
Total A	1167.57	502.74	
Objective Classification			
Salaries	43.90	33.28	
Dearness Allowance			
Travel Expenses			
Office Expenses			
Major and Minor works	1.50	497.61	
Machinery & Equipment	-	0.79	
Suspense	1203.56	-	
Other Charges	-	-	
Total B	1248.96	531.68	
Deduct:			
Suspense Credit	--	0.08	
Receipt & Recoveries	81.39	28.86	
TOTAL:	1167.57	502.74	2127.00

TABLE - IV
WORK LOAD SUMMARY

Activity	Total work load	Unit	Work completed upto 3/2006	Program during 2006-07	Achievemen t during 2006-07	Cum. achieve ment	Programme of works for 2007-08
Dam & appurtenant works			The scheme is a joint venture of Karnataka and Maharashtra States. The works on the Dam and initial reaches of canals which come under Maharashtra have been taken up by Maharashtra Government. The work of canals tailing into Karnataka has to be taken by the Government of Karnataka.				
Main Canal and Branches			The work of Nidhori branch canal from Km.24+393 (Karnataka border) up to 47 km is completed. And works from Km.48 to 50 are in progress. The alignment of Bidri branch canal from Km.43+343 (Karnataka border) upto 66 km is approved. The works from Km.44 to 58 are in progress. Estimates for Km.59 to 62 are in process.				
Distributary system.			i) Distributary work of block No.1, 3 to 11 of Nidhori branch canal are completed and work of distributary No.12 is in progress. ii) Distributary works in block No.1 to 4 of Bidari branch canal are under progress.				

C13. BASAPURA LIFT IRRIGATION SCHEME

Brief description of the project:

Basapura lift irrigation scheme comprises of lifting water from Varada River near Basapura village in 2 stages to irrigate 5600 acres of land in 13 villages of Hangal taluk. An allocation of 0.60 TMC of water for utilisation is provided for this project by the Krishna water Tribunal.

Cost of the Project:

Administrative approval has been accorded for this project vide G.O. No. ID 20/MMM/96-97 dtd.09-04-1996 for Rs. 936.00 lakhs & technical sanction is accorded on 31-06-1996 for the same amount.

Stage of the Project as on March 2007:

Presently 1st stage of work comprising of Electro-Mechanical Components & other head works have been entrusted on turnkey basis and are under different stages of progress. Works of main canal in the reach 0.00 to 0.198 Km & Aquaduct in Ch.0.56 to 1.87 Km. are completed. Balance canal works are under different stages of progress. Distributary works are also entrusted on tender basis which are under different stages of progress. Estimates are prepared for works of 2nd stage and tenders are being invited for taking up the work on Turnkey basis.

Budget grant and expenditure during 2006-07:

During 2006-07 a grant of Rs. 1447.00 Lakhs has been allocated out of which an expenditure Rs. 180.40 lakhs is incurred up to end of March 2007. Since inception of project an expenditure of Rs. 658.96 lakhs has been incurred till March 2007.

Seperate allocation of Rs. 200.00 lakhs has been made during 2006-07 to take up FIC works. Since survey works are under progress no expenditure is incurred to end of 03/07.

Budget requirement for 2007-08 :

The financial target for the year 2007-08 is Rs. 12.00 Crores.

TABLE-I

NAME OF THE PROJECT	Basapur LIS
Estimated Cost	Rs. 936.00 lakhs
Stage of Work:	Work is under progress
a) Budget Grant for 2005-2006	Rs.700.00 lakhs
b)Actual Expenditure during 2005-2006	Rs.157.42 lakhs
c) Reasons for excess or shortfalls	Due to slow progress of raising main work, which has been rescinded and fresh tenders are called to execute the balance work.
d) Budget Grant for 2006-2007	Rs.1447.00 lakhs
e) Expenditure during 2006-07	Rs.180.40 lakhs
f) Budget grant for 2007- 2008	Rs.1200.00 lakhs
g) Irrigation Potential created during 2006-07	-

TABLE-II
DETAILS OF IRRIGATIONAL POTENTIAL
Name of Project: BASAPURA LIS

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created by during 2005-06	Actual Protentital created during 2006-07	Programme during 2007-2008
1	Haveri	2266	-	-	2266

TABLE-III
FINANCIAL ESTIMATE
Name of Project: BASAPURA LIS

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget Grant for 2007-08
A)	ACTIVITY CLASSIFICATION:			
	a) Distributories	-	3015.00	1200.00
	b) Roads	-		
	c) Buildings	-		
	d) Other Charges	-		
	TOTAL A	-		
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	-	3015.00	1200.00
	b) Major Minor Works	157.42		
	c) Machinery & Equipment	-		
	d) Suspense debit	-		
	e) Other Charges	-		
	TOTAL B	157.42		
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-	3015.00	1200.00
	b) D.R.C.A.	-		
	TOTAL:	-		
	TOTAL (B+C)	157.42	3015.00	1200.00

TABLE-IV
WORK LOAD SUMMARY
Name of Project: BASAPURA LIS

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2006-07	Programme work for 2007-08
1	2	3	4	5	6
1	Earth work excavation	32,000	Cum. Mtr	29807	1200.00 lakhs
2	Lining	8,300		1320.92	
3	Distributory	5	No.	-	
4	C.D.works	13	No	7	

C14. ITAGI SASALWAD LIFT IRRIGATION SCHEME

Brief description of the project:

This project envisages lifting of water from Tungabhadra River near Itagi village, Shirahatti Taluk, in one stage to cater the irrigation requirements of Khariff & semi dry crops to an extent of 490 acres of Shirahatti, Mundargi and Haveri Taluk. An allocation of 0.55 TMC of water for utilization is provided for this project by the Krishna water Tribunal.

Cost of the Project:

Administrative approval was accorded by the Govt. for Rs. 427.00 lakhs on 21-09-1992 and subsequently revised administrative approval was accorded for Rs. 800.00 lakhs on 24-4-96. Technical sanction for Rs. 800.00 lakhs was accorded to the project on 5-6-96.

Stage of the Project as on March 2007:

Head works like Jack well, intake arrangements, raising main, pPump house, pumping machineries etc., have been entrusted on turnkey basis and the works are under progress. Works of Right Bank Canal of length 25.52 Km & Left Bank Canal of length 10.90 Km and its distributary network has been entrusted to different agencies and are under progress.

Budget grant and expenditure during 2006-07:

A grant of Rs. 1232.00 Lakhs is allocated during 2006-07 and an expenditure of Rs. 653.10 lakhs is incurred upto end of March 2007. Since inception an expenditure of Rs. 1207.62 lakhs has been incurred on the project. A separate grant of Rs. 200.00 lakhs has been allocated for taking up FIC works during current year and FIC survey works are under progress.

Budget requirement for 2007-08:

The financial target for the year 2007-08 is Rs. 6.00 Crores.

TABLE-I

NAME OF THE PROJECT	:Itagi-Sasalwad LIS
Estimated Cost	:800.00 lakhs
a) Budget Grant for 2005-2006	: Rs.700.00 lakhs
b)Actual Expenditure during 2005-2006	: Rs.464.92 lakhs
c) Reasons for excess or shortfalls	: Due to tender finalisation and abnormal rainfall occured during the year
d) Budget Grant for 2006-2007	: 1232.00 lakhs
e) Expenditure during 2006-07	: Rs.653.10 lakhs
f) Budget grant for 2007- 2008	: Rs.600.00 lakhs
g) Irrigation Potential created during 2006-07	-

TABLE-II

**DETAILS OF IRRIGATIONAL POTENTIAL
NAME OF PROJECT: ITAGI-SASALWAD LIS**

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created during 2005-06	Protenital created during 2006-07	Programme during 2007-08
1	Gadag	1983	-	-	1983

TABLE-III
FINANCIAL ESTIMATE
NAME OF PROJECT: ITAGI-SASALWAD

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-2006	Revised estimate 2006-07	Budget Grant for 2007-08
A)	ACTIVITY CLASSIFICATION:			
	a) Distributories	-	2090.00	600.00
	b) Roads	-		
	c) Buildings	-		
	d) Other Charges	-		
	TOTAL A	-		
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	-	2090.00	600.00
	b) Major Minor Works	464.92		
	c) Machinery & Equipment	-		
	d) Suspense debit	-		
	e) Other Charges	-		
	TOTAL B	464.92		
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-	2090.00	600.00
	b) D.R.C.A.	-		
	TOTAL:	-		
	TOTAL (B+C)	464.92	2090.00	600.00

TABLE-IV
WORK LOAD SUMMARY
NAME OF PROJECT: ITAGI-SASALWAD

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2006-07	Programme work for 2007-08
1	2	3	4	5	6
1	Earth work excavation	66,584	Cum. Mtr	86,921	600.00 lakhs
2	Lining	5,341	Mtr.	4,985.04	
3	Distributory	24	No	-	
4	C.D.works	123	No	24	

C15. BENNITHORA PROJECT

Brief Particulars of the project:

This project envisages construction of storage Reservoir across Bennithora River near Herur (K) village of Chittapur Tq. in Gulbarga District. The storage capacity of Reservoir is 5.269 TMC. An irrigation potential of 20,234 Ha. in Chittapur and Sedam Tqs. of Gulbarga District is proposed to be created on completion of the project.

Cost of the project: -

The estimated cost of the project (at S.R. Of 1991-92) technically sanctioned is Rs.82.50 Crores and the revised estimated cost at 1996-97 price level is Rs. 153.00 Crores is cleared by Advisory Committee. The Re revised cost of the project is Rs. 346.93 Crores.

Stage of the project as on March 2007:

Dam: - Dam works are completed and water is stored since August 2001. The work on the left flank and right flank of the earthen embankment is completed upto T.B.L. The concrete work of the spillway including road bridge work is completed; work of erection of crest gates is completed.

Canals: - Total length of the left bank canal is 60 Kms. and Right Bank Canal is 82 Km. Works are almost completed except some balance work and rectification. Excavation lining and C.D. works are completed upto 82 Kms except major C.D. at 49.550 and 69.550 KM. Out of 30 distributaries 13 are completed and 12 are in progress. In L.B.C. out of 41 distributaries 27 are completed and 9 are under progress.

Rehabilitation works: - Nine rehabilitation centres are proposed for nine affected villages and one rehabilitation centre due to blasting. Out of 10 rehabilitation centres, 9 are completed and remaining one rehabilitation centre namely Nagoor is nearing completion.

FIC: - Out of contemplated achakat of 20,234 Ha. FIC is provided for 15388 ha up to end of March 2007 and it is programmed to provide FIC for full balance area during 2007-08.

Table-I

a	Budget grant for 2005-06	Rs. 27.50 Crores.
b	Actual expenditure during 2005-06.	Rs. 22.63 Crores.
c	Reasons for excess or shortfall.	Rs. 4.87 Crores (Shortfall is due to slow progress in FICs due to standing crops, & objections by Land owners.
e	Budget grant for 2006-07.	Rs. 48.29 Crores.
f	Expenditure during 2006 -07.	Rs. 20.86 Crores.
g	Irrigation potential created during 2006-07.	573 Ha.
h	Budget requirement for 2007-08	Rs. 5.00 Crores.
i	Irrigation potential target during 2007-08.	4697 Hectares.

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: BENNITHORA PROJECT

(Potential in Ha.)

Sl. No	Name of district	On full development (in ha)	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08
1)	Gulbarga	20,234	9,732	573	1,427

TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: BENNITHORA PROJECT

(Rs.in Lakhs)

Sl. No.	Classification	Actual 2005-06	Budget for 2006-07	Progress during 2006-07	Budget for 2007-08
(A)	Activity classification				
	a) Distributaries	453.57	-	273.48	
	b) Roads	3.32	34.28	49.24	
	c) Buildings	37.80	8.72	-	
	d) Other charges (LAQ)	-	10.59	-	
	Total A	494.69	53.59	322.72	
	B) Objective Classification				
	a) Salaries.	512.50	3.08	-	
	b) Major & Minor works	-	-	476.76	500.00
	c) Machinery and Equipment	12.43	1.64	10.41	
	d) Suspense debit	1022.95	-	995.94	
	e) Other charges	355.52	0.57	771.25	
	Total B	1903.40	5.29	2254.36	
	C) Deduct Recoveries				
	a) Suspense credit	114.22	-	0.16	
	b) DRCA	32.81	-	42.11	
	Total C	147.03	-	42.27	
	Total (A+B-C)	2251.06	58.88	2534.81	500.00

Table-IV
Work load Summary

Sl. No	Activity	Total work load	Unit	Work completed upto 3/06	2006-07.		Programme for 07-08.
					Programm	Achievement	
1)	Reservoir	2210	Ha	2210	Payment of compensation & Reh. works.	Pending bills are cleared	Balance pending bill will be cleared.
2)	Dam & Appt.works.						
	1. Embankment	604192	Cum	604192	Minor works of Dam and Gates	All pending works are cleared.	Minor works of Dam and maintenance will be cleared.
	2. Spillway concrete	144506	Cum	152110	-	-	-
	3. Excavation	233643	Cum	233643	-	-	Completed
3)	Canals & Branches.						
	1) RBC	82	Km.	0 to 82 completed except CD works at km.49.55, 69.43, 76.53 which are nearing completion	Balance works of RBC in km .67,76, & 81 and CD works at Km 69.43, 73.56 approaches Rectification from 0 to 50 km.	Balance works of RBC km.67, 76, and 81 and CD works at 69.43, 73.56 approaches. Rectification from 0 to 29.00 Km completed and 30.00 to 50.00Km under progress	Rectification work from 51.00 to 82.00 km.
	2) LBC	60	Km.	0.00 to 60.00 km. completed	Completed. except rectification work from 0.00 to 45.00	Completed, rectification 20.00 to 45.00 is under progress	Rectification work from 45.00 to 60.00 km.
4)	Distributaries.	70	Nos.	62Nos. are completed	8 Nos.	8 Nos. under progress	-
5)	Roads	188	Kms	Completed	-	-	Works are completed
6)	Buildings.	58	Nos.	Completed	-	-	Works are completed

16. LOWER MULLAMARI PROJECT

Brief description of the project:

The Lower Mullamari Project envisages construction of a dam across the River Mullamari (tributary to River Bhima) near Nagarhal village in Chincholi taluk of Gulbarga District with only Right Bank Canal to irrigate an extent of 8,100 ha in Chincholi taluk. The utilisation proposed is 49.226 M.cum (1.74 TMC). The planning Commission, Government of India has cleared this project during 1979 in letter No. 11-20(6) 78/I & CAD, dated: 13-1-1979.

Cost of the project:

The project has been originally estimated for Rs.3.70 Crore at 1974-75 shedule of rates. The revised cost of the project is Rs. 71.88 Crore at S.R. of 1994-95. The present cost of the project is Rs. 178.52 Crores.

Stage of the project as on March 2007:

DAM: The 2,024 m long and 24.46 m high earthen dam, with a storage capacity of 49.14 M.cum involves submersion to an extent of 844 ha affecting four villages and a population of 7,445. Dam works are completed and water is stored since 8/2001.

CANALS : The total length of Right Bank Canal is 80 kms. and all the works are completed. Total numbers of distributaries are 66, out of which 63 distributaries are completed. Works of remaining 3 distributaries are nearing completion.

R&R works:

7 Rehabilitation Centres are formed out of which 6 Rehabilitation centres are completed and the villages are shifted. Works of remaining one centre is nearing completion.

Contemplated achakat is 8100 Ha. Potential created upto end of March 2007 is 7836 ha. It is programmed to create balance potential of 264 Ha. during 2007-08.

FIC: Out of contemplated achakat of 8100 Ha. FIC provided to end of March 2007 is 6950 ha. It is programmed to complete FIC for balance area of 1150 ha. during 2007-08.

Table - I

(a)	Budget grant for 2005-06	Rs. 7.00 Crores.
(b)	Actual expenditure during 2005-06.	Rs. 8.48 Crores.
(c)	Reasons for excess or shortfall.	Rs. 1.48 crores (excess)
(d)	Budget grant for 2006-07.	Rs. 16.00 Crores.
(e)	Expenditure during 2006-07.	Rs. 9.38 Crores.
(f)	Budget requirement for 2007-08	Rs. 2.00 Crores.
(g)	Irrigation potential created during 2006-07.	170 Hectares.

Table-II

DETAILS OF IRRIGATION POTENTIAL.

NAME OF THE PROJECT: LOWER MULLAMARI PROJECT

(Potential in Ha.)

Sl. No	Name of district.	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08.
1)	Gulbarga	8,100	7,666	170	234

TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: LOWER MULLAMARI PROJECT
(Rs.in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Actual 2006-07
(A)	Activity classification			
	a) Distributaries.	26.12	4.26	139.18
	b) Roads.	-	-	-
	c) Buildings.	10.38	7.75	0.99
	d) Other charges (LAQ)	-	10.59	-
	Total A	36.50	22.60	140.17
B)	Objective Classification			
	a) Salaries.	94.06	2.19	71.61
	b) Major Minor works.	-	-	-
	c) Machinery and Equipment.	4.80	-	2.19
	d) Suspense debit.	626.99	-	540.45
	e) Other charges.	257.82	-	197.09
	Total	983.67	2.19	811.34
C)	Deduct Recoveries			
	a) Suspense credit.	(-) 8.76	-	-
	b) DRCA	(-) 0.02	-	13.90
	Total	8.78	-	13.90
	Total (A+B-C)	1011.39	24.79	937.61

Table-IV
WORK LOAD SUMMARY

Sl. No	Activity	Total work load	Unit of work	Work complete d upto 3/06	2006-07		Programme for 07-08.
					Program	Achievement	
1)	Reservoir						
2)	Dam & Appt .works.						
i)	Earth work excavation	931.00	Tcum	931	-	-	-
ii)	Embankment	966.24	Tcum	966.24	-	-	-
iii)	Concrete	33.37	Tcum	33.00	0.37	works under progress	
iv)	Gates.	5	Nos.	5	-	-	-
3)	Canals & Branches.						
(a)	Main canal	80	Km.	80.00	-	-	-
(b)	C.D. works.	327	Nos	327	-	-	-
(c)	Distributary	66	Nos	63	3	works under progress	
4)	FICs	8100	Ha	2570	5530	2570	-
5)	Buildings	59	Nos	59	-	-	-
6)	Rehabilitation	07	Nos	5	2	-	-

C17. VARAHI PROJECT

Brief Particulars of the Project:

The Varahi Irrigation project across the west flowing river envisages irrigation facilities to areas in Udupi & Kundapur taluks of Udupi District. As per the earlier proposals, a masonry diversion weir, down stream of the Varahi Hydro-Electric Project under construction by the Karnataka Power Corporation was contemplated at the sight near Horriabbe in Kundapur Taluk for providing irrigation to an extent of 15,702 ha utilizing daily discharge of 1100 cusecs (387M Cum per year or 13.65 TMC).

Cost of the project:

Administrative approval has been accorded to this project estimated to cost Rs.943.00 lakhs (at 1997-98 level of rates) vide Government order No. PWD 71 GIP 76, dated: 27th March 1979.

Stage of the project as on March 2007:

As the original Varahi Project requires considerable time for getting clearance from Central Water Commission, Varahi lift irrigation scheme to irrigate 2723 Ha. of land was proposed in order to supply water to sugarcane crops for Brahmavar Sugar Factory.

Accordingly Government accorded approval on 22-10-1992 for a lift irrigation scheme amounting Rs.14.55 Crores which comprises of Head works near Varahi river and left bank canal from CH:0 to 21 KM.

The tender for head works comprising of intake channel, jackwell, raising main, distributary chamber amounting to Rs.628.00 lakhs was entrusted on turn-key basis and the work is under progress.

The lift irrigation head works is in progress. The Canal works and Cross Drainge works of 0 K.M to 3rd Km. of Varahi Left Bank Canal are almost completed. The canal works and Cross drainage works from 4th Km. to 21st Km of Varahi Left Bank Canal are in progress.

Construction of Aqueduct in Km. 4, 9, 11, 12 and 13 of Varahi Left Bank Canal and Varahi Aqueduct connecting Left Bank Canal and Right Bank Canal are under progress.

Construction of Diversion Weir is entrusted on tender basis to Rs.13.47 Crores and work is under progress.

Budget grant and expenditure during 2006-07:

During the year 2006-07, the grant allotted is Rs.75.00 crores and the financial progress achieved up to end of March 2007 is Rs.33.58 crores. Expenditure incurred since inception on the project is Rs. 125.92 crores.

TABLE - 1

1) Budget grant for 2005-07	Rs 6000.00 Lakhs
2) Actual Expenditure during 2005-07	Rs3935.00 Lakhs
3) Reasons for excess or shortfall.	Rs2065.00 Lakhs
4) Budget grant for 2006-07	Rs7500.00 Lakhs
5) Expenditure during 2006-07	Rs. 3358.76 lakhs
6) Irrigation Potential created during 2006-07	70 Ha.

TABLE - 2
DETAILS OF IRRIGATION POTENTIAL
Name of the project: VARAHI IRRIGATION PROJECT
(Potential in Ha.)

Sl. No.	Name of the District	Total potential	Potential created up to end of 3/2006	Programme for 2006-07	Achievement during 2006-07
1	Udupi	15,702	72	1000	70

TABLE- 3
FINANCIAL ESTIMATE
NAME OF THE PROJECT: VARAHI IRRIGATION PROJECT
(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A	ACTIVITY CLASSIFICATION			
a	Distributories	23.02	600.00	240.00
b	roads	-	10.00	10.00
c	Buildings	15.86	18.00	45.00
d	other charges	-	-	-
	Total A	38.88	628.00	295.00
B	OBJECTIVE CLASSIFICATION			
a	Salaries	126.80	200.00	200
b	Major, minor works	3836.45	6645.20	13905.56
c	Machinery & Equipment	6.65	26.80	45.80
d	Suspence debit	8.45	-	-
e	Other charges	-	-	1220.76
	Total B	3978.35	6872.00	15372.12
C	DEDUCT RECOVERIES			
a	Suspence Credit	0.43	-	-
b	DRCA	81.81	-	-
	Total (-)	82.24	-	-
	Total (A+B-C)	3934.99	7500.00	15667.12

TABLE- 4
WORK LOAD SUMMARY
NAME OF THE PROJECT: VARAHI IRRIGATION PROJECT

Sl. No	Activity	Total work load	Unit	Achivement during 2005-06	Achievement during 2006-07	Programme for 07-08
1	Dam/Barrages					
	Earth work Excavation	405644	Cum	30000	318767	56877.00
	Concrete	195726	Cum	-	84195	111531.00
2	Lift Irrigation Head works					
	Pumps & Motors	6	Nos	3	3	-
	Raising main	1000	Rmtr	400	400	200.00
	Commissioning	1	unit	-	-	-
3	Aqueducts					
	Varahi River Aqueduct					
	Earth work Excavation	14112	Cum	58000	96110	1001.00
	Concrete	21333	Cum	2000	13845	5554.00
	4th Km of VLBC					
	Earth work Excavation	12260	Cum	9064	3196	-
	Concrete	2851	Cum	2680	171	-
	9th Km of VLBC					
	Earth work Excavation	8614	Cum	7000	1276	338.00
	Concrete	2150	Cum	200	752	1198.00
	11th K.M.of VLBC					
	Earth work Excavation	9593	Cum	9765	-	428.00
	Concrete	1898	Cum	1392	487	19.00
	12thKm.of VLBC					
	Earth work Excavation	30321	Cum	30321	-	-
	Concrete	7158	Cum	5993	969	196.00
	13 th Km of VLBC					
	Earth work Excavation	31987	Cum	13247	16250	2490.00
	Concrete	6940	Cum	2882	3600	458.00
4	Canals					
	VLBC(0.00 to44.35Km of VLBC					
	Earth work Excavation	44.35	Cum	20	1	10.00
	CC lining	44.35	Nos	20	1	10.00
	C.D.Works	145	Nos	12	20	40.00
	RBC					
	Earth work Excavation	42.73	Km	-	-	8.40
	CC lining	42.73	Km	-	-	8.40
	CD works	170.00	Nos	-	-	24.00
5	Distributaries of VLBC					
	Earth work Excavation	215000	Cum	12000	-	100000.00
	CC lining	152	Km	1	-	25.00
	C.D.Works	516	Nos	4	-	112.00

C18. UBRANI – AMRUTHAPURA LIFT IRRIGATION SCHEME

Brief Particulars of the Project:

Ubrani–Amruthapura lift irrigation scheme is a part of Upper Bhadra Project Stage-1, which has been separated as per the Government order. The main purpose of the project is to provide drinking water and filling of tanks of Ubrani and Kasaba hobli of Tarikere Taluk.

This project includes 3 stages, costing to Rs. 92.40 crores. Out of three stages, stage-I is technically sanctioned for Rs. 36.00 crores and work is taken up on turnkey basis which is under different stages of progress.

A grant of Rs. 1000.00 Lakh is been allocated for the year 2006-07 and expenditure incurred up to end of March 2007 is Rs. 1497.74 lakh.

Estimates for Stage-2 and 3 are cleared from TSC and is to be placed before the KNNL Board for clearance

TABLE-I

NAME OF THE PROJECT	Ubrani-Amruthapura LIS
Estimated Cost	Rs. 9250.00 lakhs
a) Budget Grant for 2005-2006	Rs.1000.00 lakhs
b)Actual Expenditure during 2005-2006	Rs. 4.87 lakhs
c) Reasons for excess or shortfalls	Delay due to tender process after observing all formalities as per KTPP Act
d) Budget Grant for 2006-2007	Rs. 1000.00 lakhs
e) Expenditure anticipated during 2006-07	Rs. 1497.74 lakhs
f) Budget grant for 2007- 2008	Rs.1500.00 lakhs
g) Irrigation Potential created during 2006-07	-Nil-

TABLE-II

DETAILS OF IRRIGATIONAL POTENTIAL
Name of Project: UBRANI-AMRUTHAPURA LIS

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created during 2005-06	Created during 2006-07	Programme during 2007-08
1	Shimoga	-	-Nil-	-	-

TABLE-III
FINANCIAL ESTIMATE
Name of Project: Ubrani-Amruthapura
(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-2006	Revised estimate 2006-2007	Budget Grant for 2007-08
A)	ACTIVITY CLASSIFICATION:			
	a) Distributories	-	9250.00	1500.00
	b) Roads	-		
	c) Buildings	-		
	d) Other Charges	-		
	TOTAL A	-		
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	-	9250.00	1500.00
	b) Major Minor Works	4.87		
	c) Machinery & Equipment	-		
	d) Suspense debit	-		
	e) Other Charges	-		
	TOTAL B	4.87		
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-	9250.00	1500.00
	b) D.R.C.A.	-		
	TOTAL	-		
	TOTAL (B+C)	4.87	9250.00	1500.00

TABLE-IV
WORK LOAD SUMMARY
Name of Project: UBRANI-AMRUTHAPURA LIS

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2006-07	Programme for 2007-08
1	2	3	4	5	6
1	Earth work excavation	100% Turnkey Basis	-	44.10%	1500.00 lakhs
2	Raising main pipeline				
3	C.C. works				
4	C.D.works				

C19. GUDDADAMALLAPURA LIFT IRRIGATION SCHEME

Brief Particulars of the Project:

Guddadamallapura lift irrigation scheme envisages to create an irrigation potential of 5261 Ha of Byadagi taluk with an ultimate utilization of 1.00 TMC of water from Varada river. The Estimated cost of this project is Rs. 60.00 Crores.

Technical sanction is accorded for Rs. 56.16 crores and work is taken up on turnkey basis. The works are under different stages of progress.

A grant of Rs. 1000.00 Lakhs is been allocated for the year 2006-07 and expenditure incurred up to end of March 2007 is Rs. 744.72 Lakhs. Cummulative expenditure incurred since inception is Rs. 1687.69 Lakhs.

TABLE-I

NAME OF THE PROJECT	:Guddadamallapura
Estimated Cost	:5616.00 lakhs
Stage of Work:	: Work is under progress
a) Budget Grant for 2005-2006	: Rs.350.00 lakhs
b)Actual Expenditure during 2005-2006	: Rs.933.05 lakhs
c) Reasons for excess or shortfalls	: Due to good progress
d) Budget Grant for 2006-2007	: Rs.1000.00 lakhs
e) Expenditure during 2006-07	: Rs.744.72 lakhs
f) Budget requirement for 2007- 2008	: Rs.2000.00 lakhs
g) Irrigation Potential target during 2006-2007	: -Nil-

TABLE-II
DETAILS OF IRRIGATIONAL POTENTIAL
Name of Project: GUDDADAMALLAPURA LIS

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created during 2005-06	Protenital created during 2006-07	Programme during 2007-2008
1	Haveri	5261	-	-	5261

TABLE-III
FINANCIAL ESTIMATE
Name of Project: GUDDADAMALLAPURA LIS

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-2006	Revised estimate 2006-2007	Budget Grant for 2007-2008
A)	ACTIVITY CLASSIFICATION:			
	a) Distributories	-	5616.00	2000.00
	b) Roads	-		
	c) Buildings	-		
	d) Other Charges	-		
	TOTAL A	-		
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	-	5616.00	2000.00
	b) Major Minor Works	933.05		
	c) Machinery & Equipment	-		
	d) Suspense debit	-		
	e) Other Charges	-		
	TOTAL B	933.05		
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-	5616.00	2000.00
	b) D.R.C.A.	-		
	TOTAL:	-		
	TOTAL (B+C)	933.05	5616.00	2000.00

TABLE-IV
WORK LOAD SUMMARY
Name of Project: Guddamallapura

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2006-07	Programme work for 2007-08
1	2	3	4	5	6
1	Earth work excavation	52.20 % On Turnkey Basis	-	30%	2000.00 lakhs
2	Lining				
3	Distributory				
4	C.D.works				

C20. AMARJA PROJECT

Brief Particulars of the Project:

The Amarja Project comprises of constructing a Dam across the River Amarja, near Sangolgi Village in Aland Taluk of Gulbarga District, with canals on both banks to provide irrigation to an extent of 8,903 Ha. The Taluks benefitted are Aland and Afzalpur of Gulbarga District. The utilisation proposed is 1.92 TMC.

Cost of the project:

As per 1975-76 price level, the original cost of the project was Rs. 5.70 Crore. The project was technically sanctioned for Rs.82.50 Crore by the Chief Engineer, Irrigation Projects Zone, Gulbarga vide order dated: 24-7-1992. The present cost of the project is Rs. 213.66 Crores.

Stage of the project as on March 2007:

Dam: The 960 m long and 31.85 m high earthen dam with a storage capacity of 43.87 Mcum will submerge 641 ha of land, affecting 3 villages and a population of 4,500. Dam works are completed and water is being stored since 1999.

Canals: The 55 Km long Left Bank Canal and the 45 Km long Right Bank Canal will irrigate 4,856 Ha. and 4,047 Ha. of land, respectively. The total length of right bank Canal is 45 kms. and left bank Canal is 55 kms Total number of distributaries under RBC are 38 Nos and under LBC are 40 Nos.. The work for the rectification of existing canal system comprising of main canal and distributaries including construction of new FIC's from Km.0.00 to 30.00 of RBC of Amarja project for Rs. 1550 Lakhs is in progress. Tenders are called for LBC works from 0 to 43 kms.

R&R works:

Out of 4 Rehabilitation Centres, works in 3 Centres have been completed and work of one centre at Rajwal is nearing completion

Table-I

	Estimated cost	Rs. 213.66 crores
a)	Budget grant for 2005-06	Rs 11.57 Crores.
(b)	Actual expenditure during 2005-06.	Rs. 1.31 Crores.
(c)	Reasons for excess or shortfall.	Rs. 10.26 Crores (Short) (Rectification work is just started. Hence there is shortfall.)
(d)	Budget grant for 2006-07.	Rs. 25.00 Crores.
(e)	Expenditure during 2006 -07.	Rs. 8.71 Crores.
(f)	Budget requirement for 2007-08	Rs. 85.00 Crores.

TABLE-II

**DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: AMARJA PROJECT**

(Potential in Ha.)

Sl. No.	Name of district	On full development	Created during 2005-06	Created during 2006-07	Programme during 2007-08
1)	Gulbarga.	8903	-	-	4000

TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: AMARJA PROJECT

(Rs. in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Actual 2006-07
(A)	Activity classification			
	a) Distributaries.	-	-	278.93
	b) Roads.	94.60	-	14.64
	c) Buildings.	2.55	215.05	-
	d) Other charges (LAQ)	-	8.72	-
	Total A	97.15	223.77	293.57
B)	Objective Classification			
	a) Salaries.	38.89	110.00	89.56
	b) Major Minor works.	-	-	0.91
	c) Machinery and Equipment.	2.32	-	3.49
	d) Suspense debit.	544.44	-	257.45
	e) Other charges.	38.41	325.50	237.31
	Total B	624.06	435.50	588.72
C)	Deduct Recoveries			
	a) Suspense credit.	-	-	-
	b) DRCA	23.19	-	11.15
	Total.	23.19	-	11.15
	Total (A+B-C)	698.02	659.72	871.14

TABLE-IV
WORK LOAD SUMMARY

Sl No	Activity	Total work load	Unit	Work completed upto 3/06	2006-07	
					Programme	Achievement
(A)	Head works/Dam					
	i) Earth work	906.44	T.cum	-	Work completed	
	ii) Concrete	102.55	T.cum	-	Work completed	
	iii) Gates	5 Nos	Nos	-	Work Completed.	
(B)	Main Canal					
	1) RBC	565.93	T.cum	562.00	129.124	-Nil--
	Earth work.	42.48	km	20.00	-	
	Lining	288.23	T,Sqn	286.00	141.33	-Nil-
		42.48	Km.	20.00	-	
	CD structure	285	Nos.	281	4 Nos.	-Nil-
	Distributaies	38	Nos	22	16	-Nil-
	ii) LBC	760.09	T.cum	757.00	-	-Nil-
	Earth work	55	Km.	55		
	Lining	384.61	T.sqm	383.00	-	-Nil-
	CD structures	204	Nos.	200	-	-Nil-
	Distributaries	40	Nos	19	-	-Nil-
(C)	Water courses	200	Km.	-	-	-

C21. SRI RAMESHWARA LIFT IRRIGATION SCHEME

Administrative approval is accorded by the Government for Rs.218.42 crore to provide irrigation to 13800 Ha. vide G.O. No.Ja.Sam.E/14/NIN/2001, Bangalore, dtd: 23.8.03. Detailed project report costing Rs.218.42 crores has been sent to regional office of CWC, Bangalore for clearance. Technical sanction for the project estimate amounting to Rs.218.42 crores is accorded vide T.O. Reg.No.CIN.110 for June 2005.

Technical sanction for the component of electro mechanical works and its connected civil works is sanctioned for Rs.108.76 crores and accordingly DTP is approved. Tenders and evaluation report was placed before the 60th meeting of TSC of KNNL held on 26.7.05 and subject was also posed before the board. The board during its 26th meeting held on 5.8.05 has approved the tenders subject to conditions that, the agency agrees to execute the work duly accepting the conditions of TSC & Board without increase in their quoted price. Accordingly, the tender is accepted and agreement is executed on 9.9.2005. Survey work and preparation of designs and drawings is in progress.

Rs. in crores

a)	i) Budget grant for 2005-06	25.00
	ii) Actual expenditure during 2005-06	6.040
b)	i) Budget grant for 2006-07	10.00
	ii) Expenditure during 2006-07	24.52
c)	i) Budget requirement for 07-08	48.00
	ii) Irrigation Potential target	--

C22. BELLARYNALA LIFT IRRIGATION SCHEME

Administrative approval is accorded by the Govt. for Rs.138.28 crore to provide irrigation to 8200 Ha, vide G.O. No.Ja.Sam.E/171/V/Bya/E/2003, Bangalore, dtd: 23.8.03. The revised project report costing Rs.143.55 crores to irrigate 8,200 Ha is sent to regional office of CWC, Bangalore for clearance. The work has been entrusted to M/s: Engineering Projects (India) Ltd., and agreement is executed on 19.8.2005. The agency has submitted designs and drawings of dam including alignment proposals and same are under process. Excavation for foundation work is under progress.

Rs. in crores

a)	i) Budget grant for 2005-06	50.00
	ii) Actual expenditure during 2005-06	6.917
b)	i) Budget grant for 2006-07	20.00
	ii) Expenditure during 2006-07	63.82
c)	i) Budget requirement for 07-08	68.02
	ii) Irrigation Potential target	--

C23. HIRANYAKESHI LIFT IRRIGATION SCHEME

Administrative approval is accorded by the Govt. vide G.O. No.WRD.03.NIN.1995, B'lore, dtd: 23.8.03 for Rs.30.00 crore. Technical sanction is accorded for Rs.29.07 crores for Electro Mechanical and connected civil works, vide Reg.No.CIN. 109 for June 2005. Tenders and evaluation report was placed before the 60th meeting of TSC of KNNL held on 26.7.05 and subject was also posed before the board. The board during its 26th meeting held on 5.8.05 has approved the tenders subject to conditions that, the agency agrees to execute the work duly accepting the conditions of TSC & Board without increase in their quoted price. Accordingly, the tender is accepted and agreement is executed on 8.9.2005. Survey works and designs for jackwell and raising main etc., is under progress. The work is started and excavation for the canal is under progress.

a)	i) Budget grant for 2005-06	Rs. 15.00 crores
	ii) Actual expenditure during 2005-06	Rs. 0.893 crores
b)	i) Budget grant for 2006-07	Rs. 8.00 crores
	ii) Expenditure during 2006-07	Rs. 6.09 crores
c)	Budget requirement for 2007-08	RS. 22.47 crores

C24. JAVALAHALLA LIFT IRRIGATION SCHEME

Administrative approval is accorded by Government for Rs.3.33 Crores vide G.O. dated 23.8.03 to provide irrigation to the suffering atchkat of Shirasangi Distributary under Naragunda Branch Canal to an area of 4736 Acres. Technical sanction to the project estimate was accorded for Rs.3.33 crores during April-2003. The tender work is approved and is entrusted to M/s.Coremandal Prestcrete Pvt. Ltd., and work is under progress. Excavation works for jackwell is under progress.

a)	i) Budget grant for 2005-06	Rs. 3.00 crores
	ii) Actual expenditure during 2005-06	Rs. 1.374 crores
b)	i) Budget grant for 2006-07	Rs. 3.00 crores
	ii) Expenditure during 2006-07	Rs. 1.65 crores
c)	Budget requirement for 2007-08	RS. 0.50 crores

C25. BENNIHALLA LIFT IRRIGATION SCHEME

Administrative approval is accorded by the Govt. for Rs.17.33 crore to provide irrigation to suffering atchakat of tail end distributary of Naragunda Branch Canal vide G.O. No.WRD/58/MPS/1999 (P), Bangalore, dtd: 23.8.03. Tenders and evaluation report was placed before the 60th meeting of TSC of KNNL held on 26.7.05 and also the Board of KNNL during its 26th meeting held on 5.8.05 has approved the proposal for entrustment to M/s Subhash Projects & Marketing Ltd., Bangalore subject to acceptance of certain conditions Agreement is executed on 12-09-2005. Work is under progress. Manufacturing of PSC pipes for raising main is under progress.

a)	i) Budget grant for 2005-06	Rs. 10.00 crores
	ii) Actual expenditure during 2005-06	--
b)	i) Budget grant for 2006-07	Rs. 10.00 crores
	ii) Expenditure during 2006-07	Rs. 6.39 crores

C26. KONNUR LIFT IRRIGATION SCHEME

Administrative approval is accorded by the Govt. for Rs.6.15 crore to provide irrigation to suffering atchakat of tail end distributary of Naragunda Branch Canal vide G.O. No.WRD/58/ MPS/1999 (P), Bangalore, dtd: 23.8.03. Tenders and evaluation report was placed before the 60th meeting of TSC of KNNL held on 26.7.05 and also the Board of KNNL during its 26th meeting held on 5.8.05 has approved the proposal for entrustment to M/s Subhash Projects & Marketing Ltd., Bangalore subject to acceptance of certain conditions. Agreement is executed on 12-09-2005 & work is under progress.

a)	i) Budget grant for 2005-06	Rs. 4.50 crores
	ii) Actual expenditure during 2005-06	--

C27. KOLACHI LIFT IRRIGATION SCHEME

Administrative approval is accorded by the Govt. for Rs.2.25 crore to provide irrigation to suffering atchakat of tail end distributaries of 18 to 27 of KRBC, vide G.O. No.WRD/58/MPS/1999 (Part-I), Bangalore, dtd: 23.8.03. Tenders and evaluation report was placed before the 60th meeting of TSC of KNNL held on 26.7.05 and also the Board of KNNL during its 26th meeting held on 5.8.05 has approved the proposal for entrustment to M/s Subhash Projects & Marketing Ltd., Bangalore, subject to acceptance of certain conditions. Agreement is executed on 12.09.2005 & work is under progress.

a)	i) Budget grant for 2005-06	Rs. 0.50 crores
	ii) Actual expenditure during 2005-06	--
b)	Budget requirement for 2007-08 together for Konnur LIS & Kolchi LIS	Rs. 6.13 crores

C28. SANYASIKOPPA LIFT IRRIGATION SCHEME

Sanyasikoppa lift irrigation scheme envisages creating an irrigation potential for an area of 1719 Ha. in Shikaripura Taluk, Shimoga Dist. with construction of dam across the river Kumudvathi. Government has accorded administration approval for an amount of Rs. 10.00 crores and Technical sanction is accorded for Rs. 9.97 crores.

For the year 2006-07 a grant of Rs. 100 lakh is allotted and expenditure till 12/06 is Nil since the work is under tender process.

TABLE-I

NAME OF THE PROJECT	:Sanyasikoppa LIS
Estimated Cost	Rs. 997.00 lakhs
Stage of Work:	Work to be started
Budget Grant for 2006-2007	Rs.100.00 lakhs
Expenditure during 2006-07	Rs. 0.43 lakhs
Budget requirement for 2007- 2008	Rs.500.00 lakhs
Irrigation Potential created during 2006-07	-Nil-

TABLE-II
DETAILS OF IRRIGATIONAL POTENTIAL
Name of Project: SANYASIKOPPA LIS

(Potential in ha.)

Sl. No.	Name of District	On full development (In Ha.)	Created during 2005-06	Created during 2006-07	Programme during 2007-08
1	Shimoga	4425	-	-	-

TABLE-III
FINANCIAL ESTIMATE
Name of Project: SANYASIKOPPA LIS

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget Grant for 2007-08
A)	ACTIVITY CLASSIFICATION:			
	a) Distributories	-		
	b) Roads	-		
	c) Buildings	-		
	d) Other Charges	-		
	TOTAL A	-		
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	-	997.00	500.00
	b) Major Minor Works	-		
	c) Machinery & Equipment	-		
	d) Suspense debit	-		
	e) Other Charges	-		
	TOTAL B	-		
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-		
	b) D.R.C.A.	-		
	TOTAL	-		
	TOTAL (B+C)	-	997.00	500.00

C29. UPPER BHADRA STAGE - 1**Brief description of the project:**

This project envisages to provide irrigation facilities to 2,62,325 Ha. of lands in Chitradurga, Chikkamagalur and Tumkur districts with an utilization of 23.00 TMC of water from Bhadra River. Government has accorded administrative approval for stage-1 for an amount of Rs. 2813.00 crores & the project is handed over to KNNL for execution recently.

A sub-committee constituted by Govt. for study of Environment aspects and utilization of water & the committee has submitted a report to the Govt. on the basis of the report tender has been called and one division office at Chitradurga is proposed to execute the works of Upper Badra Project. A grant of Rs. 50.00 Lakhs is allotted for 2006-07 and the expenditure incurred is Nil.

TABLE-I

NAME OF THE PROJECT	:Upper Bhadra Stage-I
Estimated Cost	:281300.00 lakhs
Stage of Work:	: Work to be started
a) Budget Grant for 2005-2006	: Rs.15.00 lakhs
b)Actual Expenditure during 2005-2006	: -Nil-
c) Reasons for excess or shortfalls	: Rs -
d) Budget Grant for 2006-2007	: Rs.50.00 lakhs
e) Expenditure anticipated during 2006-07	: Rs.-Nil-
f) Budget requirement for 2007- 2008	: Rs.2300.00 lakhs
g) Irrigation Potential target during 2006-2007	: -Nil-

TABLE-II

DETAILS OF IRRIGATIONAL POTENTIAL
Name of Project: UPPER BHADRA STAGE-I

(Potential In Ha.)

Sl. No.	Name of District	On full development	Created during 2005-06	Protenital created during 2006-07	Programme during 2007-2008
1	Chikkamangalore Chitradurga	262325	-	-	-

**PROJECTS OF
CAUVERY NEERAVARI NIGAM
LIMITED**

D1. D.DEVARAJA URS CANAL

Brief description f the project:

The D.D.Urs (Varuna) canal comprises of 126 Km long Right bank high level canal taking off from the Krishnarajasagara Dam built across the River Cauvery near Kannambadi village in Srirangapatna taluk of Mandya District. The ultimate irrigation potential under this canal is 32,375 Hects of Khariff semi dry crops in Mandya and Mysore District. The utilisation proposed under this project is 10.5 TMC with the discharge of 980 Cusecs.

Cost of the project:

An estimate for Rs.1850 lakhs has been administratively approved and technically sanctioned vide Government order No. PWD 145/MKS/77 Dated 23/04/1979. The work was started during 1979. The Revised estimate amounting to Rs.38,000.00 lakhs has been prepared and is under scrutiny.

Stage of work as on March 2007:

Canal System: The canal runs for a length of 126 Kms covering an atchkat of 32375 Ha. The main canal work has been completed upto 126 Km and the work of distributories is nearing completion. Lining of Canals and distributaries is under progress. The water has been allowed upto tail end on trial basis.

The total out-lay of the project since inception to end of March 2007 is Rs. 38285.00 lakhs and the potential created is 31585 Ha.

TABLE I

Name of the Project	D.D. URS CANAL (VARUNA)
Estimated Cost	Rs. 38,000.00 Lakhs
a) Budget grant for 2005-06	Rs. 3,500.00 Lakhs
b) Actual expenditure during 2005-06	Rs. 2,518.46 Lakhs
c) Reasons for excess or shortfall	Rs. 981.54 Lakhs Due to Non release of LOC during 03/06
d) Budget grant for 2006-07.	Rs. 2,000.00 Lakhs
e) Expenditure during 2006-07	Rs. 4736.04 Lakhs
f) Budget allotted for 2007-08	Rs. 1000 Lakhs
g) Irrigation Potential created during 2006-07.	869 ha.

TABLE II

DETAILS OF IRRIGATION POTENTIAL

Name of the Project: D.D.URS CANAL (VARUNA)

(Potential in Ha.)

Sl. No.	Name of the District	On full development	Planned Potential during 2006-07	Potential created during 2006-07	Programme during 2007-08.
1	Mysore	32375	1,599	869	140

TABLE III

FINANCIAL ESTIMATE

Name of the Project: D.D. URS CANAL (VARUNA)

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget Grant 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Canals and Branches	382.20	786.80	195.00
	b) Distributaries	1317.39	2568.35	351.00
	c) Roads	2.01	0.00	0.00
	d) Buildings	10.11	12.38	0.00
	e) Other Charges	349.58	0.00	0.00
	Total A	2061.29	3367.53	546.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	610.64	313.32	349.00
	b) Major/Minor Works	0.00	0.00	0.00
	c) Machinery and Equipment	17.43	33.12	5.00
	d) Suspense Debit	29.07	0.00	0.00
	e) Other Charges (Land acquisition)	33.32	1022.12	100.00
	Total B	690.46	1368.56	454.00
C	DEDUCT RECOVERIES			
	a) Suspense Credit	97.44	0.00	0.00
	b) D.R.C.A	-	-	0.00
	Total C	97.44	0.00	0.00
	Total (A + B - C)	2654.31	4736.09	1000.00

TABLE IV

WORK LOAD SUMMARY

NAME OF THE PROJECT: D.D.Urs Canal

Sl. No.	Activity	Total Work Load	Unit	Progress during 2005-06	Progress during 2006-07	Programme for 2007-08
1	Main Canal					
a	Lining	126	Km	2	5.6	0.4
b	C.D.Works	5365	Nos.	75	12	3
2	Distributaries					
a	Lining	416	Km	35	78	50
b	C.D.Works	-	Nos.	-	107	25

D2. MODERNISATION OF K.R.SAGAR CANAL

Brief description of the project:

The Krishnarajasagar Reservoir is constructed across the River Cauvery near Kannambaadi village in Sri RangaPattana Taluk of Mandya District with Canals on both the flanks providing irrigation to an extent of 79312 Hectares in Mandya and Mysore District. The Left Bank High Level Canal, which is named as Vishweshvaraya Canal was originally proposed for providing Irrigation to an extent of 48564 Hectares (120000 Acres). However, due to various factors like construction of pickup channels, lowering of local mounds in the command area, subsequent extension of certain branch canals etc., there has been considerable increase in the command area of Vishweshvaraya Canal which has to provide irrigation to an extent of 77220 Hectares (190769 Acres). This has resulted in increased withdrawal in various branches, causing a strain on the canal system. Due to this the supply of water to the atchkat in the tail end reaches was inadequate. The condition of the existing canal does not lend itself to higher discharges being drawn. Also two major Aquaducts along the canal were not able to carry discharges beyond 67 Cumecs (2366 Cusecs). In order to limit the excess utilisation of water in the atchkat it was programmed to modernise the Vishweshvaraya Canal and also to create fresh atchkat of 2125 Hectares (5250 Acres).

Cost of the project:

The original estimate cost of the modernisation works is Rs.55.00 Crores and the same was administratively approved by the government vide G.O No. : PWD/ 13/ MMG/ 86 Dated 6/3/87. The revised estimate of the project is prepared for Rs. 350.00 Crores and it is under finalisation.

Stage of work as on March 2007:

The Krishnarajasagar Dam and its Canal system were completed in the year 1931 and the full potential was created by 1940.

Most of the Modernisation works including Link Canal and Tunnel works are completed. The Lift Irrigation Scheme works under modernisation are in progress.

Budget grant and expenditure during 2006-07:

Programme for 2006-07 is Rs. 20.00 Crores, against which an expenditure of Rs.34.13 Crores is achieved up to end of March 2007.

The cumulative expenditure up to the end of March 2007 is Rs. 378.19 Crores and a fresh potential of 2125 Hectares is created.

TABLE I

Name of the Project	Modernisation of KRS Canal
Estimated Cost	Rs. 35,000.00 lakhs
a) Budget grant for 2005-06	Rs. 1,000.00 lakhs
b) Actual expenditure during 2005-06	Rs. 2,445.31 lakhs
c) Reasons for excess or shortfall	Rs.1,445.31 Lakhs Due to release of LOC during 03/06
d) Budget grant for 2006-07	Rs. 2,000.00 lakhs
e) Expenditure during 2006-07	Rs. 3412.64 lakhs
f) Budget requirement for 2007-08	Rs. 2000.00 lakhs
g) Irrigation Potential created during 2006-07.	-

TABLE - III
FINANCIAL ESTIMATE
Name of the Project: KRS MODERNISATION

(Rs. in lakhs)

Sl No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
1	2	3	4	5
A	ACTIVITY CLASSIFICATION			2000.00
1	A) Distributories	570.06	924.75	
	B) Roads	-	272.35	
	C) Building	-	29.45	
	D) Other charges	-	-	
	Total A	570.06	1226.55	
B	OBJECTIVE CLASSIFICATION:			
	A) Salaries	254.84	294.88	
	B) Major/ Minor works	1591.22	1651.53	
	C) Machinery & Equipment	21.32	14.61	
	D) Suspense Debit	12.77	32.74	
	E) Other Charges	-	-	
	Total B	1880.15	1993.76	
C	DEDUCT RECOVERIES:			
	Suspense credit	20.62	-	-
	D.R.C.A	-	-	-
	Total C	20.62	-	-
	Total (A+B-C)	2429.59	3220.31	2000.00

D3. KABINI RESERVOIR PROJECT

Brief description of the project:

Kabini Reservoir is constructed across the River Kabini, a tributary to River Cauvery near Beechanahally village in H.D.Kote taluk of Mysore District with canals on the both the flanks to irrigate an atchkat of 44516 Ha. in Mysore and Chamarajanagar Districts. Lift Irrigation Schemes from the fore shore of existing Kabini Reservoir to irrigate an atchkat of 49918 ha. in Mysore and Chamarajanagara Districts.

Cost of the project:

The original estimated cost of the project for Rs.320.00 lakhs was approved by Government vide G.O.No. PWD/01/KRC/57 Dated 02-02-1959 and the revised estimated cost for Rs. 390.00 crores has been approved by the Government vide G.O No.PWD22/MRR-86 Dt 24.2.1986. The present cost of the project is Rs.1233.00 crores (Flow system= Rs.531.00 crores + Lift system = Rs.702.00 crores) for which administrative approval is awaited from the Government.

Stage of the work as on March 2007:

Dam: Dam works were started during 1959 and completed in 1974. And also the work of 26 rehabilitation colonies for submergence of 36 villages has been completed.

Canal System : Under the Kabini reservoir project, canal system comprises of :

a) Kabini Right Bank Canal: It runs for a length of 202 Kms, irrigating an area of 43302 Ha. and all the works are completed except lining and Tellanur Branch Canal works which are under progress.

b) Kabini Left Bank Canal: It runs for a length of 26 Km, irrigating an area of 1214 Ha and all the works are completed.

KABINI LIFT IRRIGATION SCHEME:

Under this scheme, it is proposed to lift 9.13 T M C of water from the foreshore of Kabini Reservoir to irrigate 49,918 Ha. of land during Khariff through Bidarahalli and Antharasante lift canals. Estimated Cost of the lift irrigation scheme is Rs. 702.00 crores.

The detail survey work including command area survey are completed and the estimate is under preparation.

The total out-lay of the project since inception up to end of March 2007 is Rs. 521.78 crores and potential created is 42638 Ha. It is proposed to complete the balance work of Tellanur branch canal during 2007-08 so as to create a full potential of 44516 Ha. under flow irrigation.

TABLE - I

Name of the Project	KABINI PROJECT
Estimated Cost	Rs. 1233.00 crores
Budget grant for 2005-06	Rs. 1790.00 Lakhs
Actual expenditure during 2005-06	Rs. 3244.46 Lakhs
Reasons for excess or shortfall	Rs.1454.46 Lakhs, In order to complete the project, flow irrigation works were accelerated which resulted in excess expenditure
Budget grant for 2006-07.	Rs. 7500.00 Lakhs
Expenditure during 2006-07	Rs. 5256.55 Lakhs
Budget grant allotted for 2007-08	Rs. 5000.00 Lakhs
Irrigation Potential created during 2006-07.	1414 Ha.

**TABLE II
DETAILS OF IRRIGATION POTENTIAL**

(in Ha.)

Sl. No	Name of the District	On full development	Planned potential during 2006-07	Potential created during 2006-07	Programme during 2007-08.
1	Mysore & Chamarajanagar	44516 (Flow)	3292	1414	1385

TABLE III

FINANCIAL ESTIMATE
Name of the Project: KABINI PROJECT

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget Grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Canals and Branches	863.24	2483.96	3234.00
	b) Distributaries	1108.18	1761.26	750.00
	c) Roads	55.65	35.34	0.00
	d) Buildings	23.11	12.80	0.00
	e) Other Charges	421.61	0.00	0.00
	Total A	2471.79	4293.36	3984.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	553.89	692.02	780.00
	b) Major/Minor Works	-	-	-
	c) Machinery and Equipment	22.88	43.30	36.00
	d) Suspense Debit	95.68	0.00	0.00
	e) Other Charges (Land acquisition)	-	218.47	200.00
	Total B	672.45	953.79	1016.00
C	DEDUCT RECOVERIES			
	a) Suspense Credit	106.86	0.00	0.00
	b) D.R.C.A	34.16	0.00	0.00
	Total C	141.02	0.00	0.00
	Total (A + B - C)	3003.22	5247.15	5000.00

TABLE IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: Kabini Project

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Progress during 2006-07	Programme for 2007-08
1	Dam & Appurtenants					
	Earthwork Excavation & Embankment		Cum	Completed during 1974		
	Concrete		Cum			
2	Main Canal & Branches					
	Earthwork Excavation & Embankment		Cum	Completed.		
	Lining	228	Km	5	19	40
	C.D.Works	495	Nos.	-	63	2
3	Distributaries					
	Earthwork Excavation & Embankment	4845842	Cum	-	29302	270000
	Lining	385	Km	10	53.50	25
	C.D.Works	1770	Nos.	2	70	30

D4. HARANGI RESERVOIR PROJECT

Brief description of the project:

Harangi Project comprises of construction of a storage reservoir across River Harangi near Hudgur village, Somwarpet Taluk, Kodagu District. The scope of the project was revised during 1985-86 to irrigate an atchkat of 54,591 Ha. with a cropped area of 68,808 Ha. including two lift irrigation scheme namely Somwarpet Lift Irrigation Scheme and Periyapatna Lift Irrigation Scheme with utilisation of 18.0 TMC of water.

Cost of the project:

Original sanctioned cost of this project is Rs.11.00 Crores as per 1964-65 level of rates and was administratively approved vide G.O.No. PWD/2/GHK/63, Bangalore, Dated: 14-11-69. The revised estimated cost of Rs. 122.00 Crores was administratively approved by Government vide G.O.No. PWD/51/82/Bangalore, Dated: 24-6-1986. The project was commissioned during 1982. The project has been re-revised during 1991-92 for Rs. 230.00 Crores. Government has administratively approved this re-revised estimate vide G.O.NO.ID/23/MMH/92, Bangalore, dated: 19-6-1992.

The present cost of the project is Rs. 429.00 Crores at 2003-04 level of rates.

Stage of work as on March 2007:

Dam: Length of the dam is 846 meters with a height of 53 meters, and the dam works are already completed.

Canals: Canals are constructed on both the banks. Length of left bank canal is 153 m. with a planned irrigation potential of 11,927 Ha. and right bank canal runs for a length of 138 m. with a planned irrigation potential of 42,664 Ha. All the canal works are completed.

There are two Lift Irrigations coming under this project.

- 1) Somwarpet Lift Irrigation Scheme,
- 2) Periyapatna Lift Irrigation Scheme.

Somwarpet Lift Irrigation Scheme:-

Total atchkat coming under this scheme is 607 Ha (1500 Acres). Present revised cost of this scheme is 6.96 Crores. Expenditure incurred upto March 2007 is Rs. 16.78 lakhs and the potential created is 607 Ha. Head works are completed. Canal works are completed and water is being allowed for irrigation.

Periyapatna Lift Irrigation Scheme:-

Total atchkat coming under this Scheme is 12,141 Ha (30,000 Acres). Present revised cost of this scheme is Rs.109.00 Crores. Expenditure incurred to end of March 2007 is Rs. 88.92 Crores.

Head works costing Rs.1713.0 lakhs was entrusted to M/s.N.G.E.F. Ltd., Bangalore, on tender basis and work is completed and the scheme has been commissioned during December-03. Canal works upto 24th Km are nearing completion. The distributory works coming in the reach 0 to 24th Km are under various stages of progress.

Further works from 25th to 50th Km are yet to be tackled. This scheme is programmed to be completed during 2007-08 subject to availability of grants.

Other development works namely, construction of Sidlihalla pick to augment water to tailend of Harangi Left Bank Canal costing Rs.100.0 lakhs and shifting of seepage affected village, J-Hosally costing Rs.100.0 lakhs entrusted on tender are under progress. The remodeling work of H.L.B.C. from 0 to 11.28 Km has been takenup and it is programmed to complete the same before allowing water for khariff-2005.

Estimate for renovation of Kattapura Anicut Channels is prepared and yet to obtain approval from Government. The cost of the project is Rs.17.30 Crores. The other old Anicuts coming under this Circle, are Chamaraja Anicut, Mirle Series, Ramasamudra Anicut and Kattamalalawadi Anicut. These Anicuts are very old and a comprehensive programme is chalked out for the overall development of these old Anicuts. (Rs. 179.00 Crores)

The grant for the year 2006-07 is Rs.20.00 Crores and expenditure incurred up to end of March 2007 is Rs. 44.76 crores and irrigation potential created during the year is 3926 Ha.

TABLE-I

NAME OF THE PROJECT	HARANGI
Estimated cost	Rs.429.00 Crores
Budget grant for 2005-06	Rs. 3400.00 lakhs
Expenditure during 2005-06	Rs. 1732.21 lakhs
Budget grant for 2006-07	Rs. 2000.00 lakhs
Expenditure upto end of 3/2007	Rs. 4475.94 Lakhs
Required budget grant for 2007-08	Rs. 2500.00 lakhs
Irrigation potential created during 2006-07	3926 Ha.

TABLE-II

**DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: HARANGI**

(Potential in Ha)

Sl. No.	Name of District	On full Development	Potential Created during 2005-06	Potential created during 2006-07	Programme during 2007-08
1	Kodagu	2792	2810	-	-
2	Hassan	8935	8337	-	-
3	Mysore	41811	33092	3926	-
	Total	53538	44239	3926	-

TABLE- IV**WORK LOAD SUMMARY**

Name of the Project: - Harangi Reservoir Project.

Sl. No.	Activity	Total work load	Unit	Achievement during 05-06	Achievement during 2006-07
1	2	3	4	5	6
1	Dam	-	Cum	Completed	
2	Canals	-	Cum	33089	1484
3	C.D	31	No.	117	-
4	Lining	82255	Sqm.	48799	33799
5	L.I.S	888350	Cum	36929	318516
6	C.D	82	No.	292	90
7	Lining	227286	Sqm.	62530	155806

**TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: HARANGI**

(Rs.in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A	Activity classification:-			2500.00
	a) Distributories	893.71	-	
	b) Roads	23.24		
	c) Buildings	18.72		
	d) Other charges	21.03		
	Total A	956.70		
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	525.70	-	
	b) Major minor works	1086.80		
	c) Machinery & equipment	17.50		
	d) Suspense debit	4.16		
	e) Other charges	-		
	Total B	1634.16		
C	DEDUCT REQUIREMENT			
	a) Suspense Credit	4.67	-	
	b) D.R.C.A.	33.00		
	Total C	37.67		
	Total (A+B-C)	2553.19	-	2500.00

D5. MANCHANABELE PROJECT

Brief description of the project:

Manchanabele Reservoir is constructed across the river Arkavathy, a tributary to River Cauvery near Manchanabele village in Magadi Taluk of Bangalore Rural District. The Right and Left bank canals irrigate lands in Magadi and Ramanagaram Taluks.

Cost of the project:

The administrative approval was accorded to the project vide G.O. No. PWD/14/ MMG/ 76, dated: 11-11-1977. The cost of the project at 1986-87 level of rates was Rs.18.50 Crores. The revised estimate cost of the project is Rs. 74.65 crores which is yet to be approved.

Stage of work as on March 2007:

DAM : The length of composite Dam is 362.20 Mtr. and height is 28.74 Mtr. with a storage capacity of 34.58 M.Cum. involving submersion to an extent of 365 Hectares of 4 villages affecting 1350 persons.

CANALS: As per approved project estimate, the canal length of Left and Right banks were 52 and 63 Kms. to irrigate 1767 and 2078 Hectares respectively. Since the inflow to the reservoir during the period of six years between 1991 to 1996 was not encouraging, it has been proposed to reduce the lengths of Right Bank Canal to 36

Kms. and Left Bank Canal to 35 Kms. Due to reduction in lengths, the contemplated atchkat has been reduced to 2433 Hectares.

The Dam and Appurtenant works are completed. The canal works of Left Bank Canal is completed up to 35th K.M. Distributary works from 1st to 20th Km. are completed. The Canal works on Right Bank Canal is also completed up to 34th Km. and its distributaries works are under progress.

Budget grant and expenditure during 2006-07:

The Financial Programme for 2006-07 is Rs.5.00 Crores with a programme to create balance potential of 189 Ha. Progress during the current year up to end of March 2007 is Rs.3.22 Crores, and potential created is 189 Ha..

The cumulative expenditure incurred since inception up to end of March 2007 is Rs. 78.19 Crores and a potential of 2397 Hectares has been created.

TABLE I

Name of the Project	Manchanabele project
Estimated Cost	Rs.7485.00 Lakhs
Stage of Work	Completed
Budget grant for 2005-06	Rs. 500.00 lakhs
Actual expenditure during 2005-06	Rs. 60.44 lakhs
Budget grant for 2006-07.	Rs. 500.00 lakhs
Expenditure during 2006-07	Rs. 321.90 lakhs
Budget requirement for 2007-08	Rs.300.00 lakhs
Irrigation potential created during 2006-07.	189 Ha

**TABLE II
DETAILS OF IRRIGATION POTENTIAL**

(Potential in Ha.)

Sl. No.	Name of the District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08.
1	Bangalore Rural Dist.	2433	2244	189	-

**TABLE IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: MANCHANABELE RESEVOIR PROJECT**

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Dam & Appurtenants	-	Nos	-	-	-
2	Canal & Other Works	95	Nos	20	71	1
3	C.D.P. Works	35	Nos	-	28	5
4	Other Works	48	Nos	9	39	-

**TABLE III
FINANCIAL ESTIMATE**

(Rs. in lakhs)

Sl No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
1	2	3	4	5
A	ACTIVITY CLASSIFICATION			Nil
	Distributaries	-	-	
	Roads	-	18.62	
	Building	-	3.31	
	Other charges	-	-	
	Total A	-	21.93	
B	OBJECTIVE CLASSIFICATION:			
	Salaries	47.31	55.01	
	Major/ Minor works	327.22	173.03	
	Machinery & Equipment	11.24	9.74	
	Suspense Debit	-	-	
	Other Charges	-	-	
	Total B	385.77	237.78	
C	DEDUCT RECOVERIES:			
	Suspense credit	-	0.03	
	D.R.C.A	-	-	
	Total C	-	0.03	
	Total (A+B-C)	385.77	259.68	

D6. ARKAVATHY PROJECT

Brief description of the project:

Arkavathy reservoir is constructed across the river Arkavathy, a tributary to river Cauvery. The dam is located near Arobele village in Kanakapura taluk of Bangalore District. It is proposed to provide irrigation through left bank canal, right bank canal and two Lift Schemes on the fore shore covering 6232 Hectares in Kanakapura Taluk. The utilisation proposed is 88.83 M. Cum (3.14 TMC).

Cost of the project:

Administrative Approval has been accorded to the project estimate for Rs. 22.25 Crores vide Government Order No. PWD /126 / MMK / 83, Dated: 27-06-1984. The present cost of the Project is Rs. 110.00 Crores which is already cleared in Technical Advisory Committee and M.I.P.C. Board and Administrative approval is awaited from the Government.

Stage of work as on March 2007:

DAM: The length of the composite dam is 716.28 Mtr. and height is 26.68 Mtr. The storage capacity of the dam is 44.90 M.Cum. (1.587TMC). The Dam submerges an area of 665 Hectares affecting 950 persons of 4 villages.

CANALS: Left bank canal runs for a length of 23.00 km and length of right bank canal is 22.00 km. for providing irrigation to 1821 Hectares and 1214 Hectares respectively. In addition, two lift schemes with a canal length of 21 K.M from left bank and 34 K.M from Right Bank will provide water for Irrigation to 1457 Hectares and 1740 Hectares respectively. The C-Plan for distributary of Right and left Bank canal is approved from ch.16.00 to 22.00 km. and 16.00 to 23.00km. respectively.

The Dam & appurtenance works under Stage-I of this project have been completed. The Stage-II of this project which comprises spillway, bridge over the spillway and earthen embankment in gorge portion from Ch. 470 M to 670 M. are also completed except finishing works of spillway gates.

Left Bank Canal is completed up to 15 Km and Right Bank Canal is completed up to 15 Km. and C plan for both the canals is approved. Canal works from 15th Km on both canals are under progress.

Lift Irrigation Scheme:

(a) Left Bank Lift Irrigation Scheme: Head Works (Sump well and Pump House) are completed. Approach channel is yet to be started. Canal works in 1st and 3rd upto 17th K.M are in progress.

(b) Right Bank Lift Irrigation Scheme: Head works are (Sump well and Pump House) completed. Canal works in 1st and 2nd Km are completed. C.D works are under progress. Estimate for supply, erection and commissioning of deepwell, vertical turbine, pumpsets with allied mechanical works and electrical accessories etc. including raising main for Rs.312.00 lakhs is approved and tender are to be invited.

Budget grant and expenditure during 2006-07:

The financial programme for 2006-07 is Rs. 28.00 Crores with a programme to create irrigation potential of 2306 Ha. Progress during the year up to end of March 2007 is Rs.18.85 Crores with an irrigation potential creation of 2306 hectares.

The total expenditure incurred since inception to end of March 2007 is Rs. 116.21 Crores.

It is programmed to complete the project in all respect during the year 2007-08.

TABLE I

Name of the Project	Arkavathy Reservoir Project
Estimated Cost	Rs. 11,000.00 lakhs
Budget grant for 2005-06	Rs. 2,500.00 lakhs
Actual expenditure during 2005-06	Rs. 521.32 lakhs
Reasons for excess or shortfall	Shortfall is Rs. 1978.68 lakhs due to non receipt of LOC
Budget grant for 2006-07.	Rs. 2,800.00 lakhs
Expenditure anticipated during 2006-07	Rs. 1880.59 lakhs
Budget requirement for 2007-08	Rs. 2,000.00 lakhs
Irrigation potential created during 2006-07.	2302 Ha.

TABLE II

DETAILS OF IRRIGATION POTENTIAL

Name of the Project: Arkavathy Reservoir Project

(Potential in Ha.)

Sl. No	Name of the District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08.
1	Bangalore Rural Dist.	6232	729	2302	4303

TABLE III
FINANCIAL ESTIMATE
Name of the Project: ARKAVATHY RESERVOIR PROJECT
(Rs. in lakhs)

Sl No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant 2007-08
1	2	3	4	5
A	ACTIVITY CLASSIFICATION			3000.00
	Distributaries	-	2.07	
	Roads	72.56	116.46	
	Building	6.70	13.99	
	Other charges	-	-	
	Total A	79.26	132.52	
B	OBJECTIVE CLASSIFICATION:			
	Salaries	45.65	61.99	
	Major Minor works	356.54	1717.13	
	Machinery & Equipment	18.07	11.11	
	Suspense Debit	-	25.00	
	Other Charges			
	Total B	420.26	1815.23	
C	DEDUCT RECOVERIES:			
	Suspense credit	0.43	19.08	
	D.R.C.A	-	-	
	Total C	0.43	19.08	
	Total (A+ B-C)	499.09	1928.67	3000.00

TABLE IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: Arkavathy Reservoir Project

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Dam & Appurtenants	84	Nos.	35%	30%	35%
2	Flow canal RBC & LBC	45	Km	75%	25%	-
3	Lift canal RBLC & LBLC	55	Km	20%	10%	70%
4	Distributaries LBLC & RBLC	202	Nos.	17%	29%	46%

D7. IGGALUR BARRAGE PROJECT

Brief description of the project:

The Iggalur Barrage is constructed across the River Shimsha, a tributary to River Cauvery. The Barrage is located near Iggalur village in Channapatna Taluk of Bangalore Rural District. Four Lift Irrigation Schemes and flow canal under the project provides irrigation to an extent of 4047 Hectares in Channapatna, Maddur and Malavally Taluks. The utilisation proposed is 5.10 M.Cum.

Cost of the project:

The original cost of the project is Rs. 3.42 crores and the revised cost of the project is Rs. 10.75 crores & administrative approval has been accorded during 1986 vide Government order No. PWD/33/MMH/86, Dated: 23.12.1986. The present cost of the Project at 1996-97 rates is Rs.69.65 Crores which includes additional two Lift Irrigation Schemes apart from "B" lift point viz., Lift Irrigation Scheme to feed Nittur Tank and Garkhally Lift Irrigation Scheme. The proposal has been cleared by TAC and MIPC Board and approval to the revised estimate is awaited from the Government.

Stage of work as on March 2007:

DAM: The 1234 Mtr. long and 11.27 Mtr. high Barrage has submerged an area of 171 Hectares.

CANALS: The 35.00 K.M. long Left Bank Canal will provide irrigation to an extent of 2242 Hectares inclusive of 765 Hectares under "D" Lift point taking off from Canal. In addition, there are 3 lift points on the fore shore of the Left Bank ("A", "C" and "C-II") to provide an irrigation potential of 346 Ha., 508 Ha. and 405 Ha. respectively. Further, in the revised estimate, three additional Lift Irrigation Schemes such as B-point with an atchkat of 546 Ha., Nittur LIS with an atchkat of 81 Ha., and Garkally L.I.S with an atchkat of 753 Ha are proposed.

The work of the Barrage is completed. The Lift Irrigation Scheme at "A" point, "C-1" and "C-2" are completed. Lift Irrigation Scheme at "D" point is commissioned and is on trial run. The work of Nittur, Garkhally and Hulikere Lift Irrigation Schemes are under progress.

Budget grant and expenditure during 2006-07: The grant allotted for 2006-07 is Rs.12.00 Crores with a programme to create an irrigation potential of 1029 ha. During 2006-07, expenditure incurred up to end of March 2007 is Rs.11.02 Crores.

The cumulative expenditure upto the end of March 2007 is Rs. 68.91 Crores and the potential created is 3583 Hectares.

It is programmed to complete the project in all respect during the year 2007-08.

TABLE I

Name of the Project	Iggalur Reservoir Project
Estimated Cost	Rs. 6,965.00 lakhs
Budget grant for 2005-06	Rs. 1,500.00 lakhs
Actual expenditure during 2005-06	Rs. 448.94 lakhs
Budget grant for 2006-07.	Rs. 1,200.00 lakhs
Expenditure during 2006-07	Rs. 1101.53 lakhs
Budget requirement for 2007-08	Rs. 500.00 lakhs
Irrigation potential created during 2006-07	-

TABLE II
DETAILS OF IRRIGATION POTENTIAL
Name of the Project: IGGALUR RESERVOIR PROJECT

(Potential in Ha.)

Sl. No	Name of the District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08.
1	Bangalore Rural & Mandya Dist.	4047	3018	-	-

TABLE III
FINANCIAL ESTIMATE
Name of the Project: IGGALUR RESERVOIR PROJECT

(Rs. in lakhs)

Sl No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant 2007-08
1	2	3	4	5
A	ACTIVITY CLASSIFICATION			
	Distributories	21.24	-	500.00
	Roads	22.40	32.24	
	Building	-	-	
	Other charges	-	-	
	Total A	43.64	32.24	500.00
B	OBJECTIVE CLASSIFICATION:			
	Salaries	217.51	211.15	
	Major/ Minor works	187.35	867.73	
	Machinery & Equipment	-	15.78	
	Suspense Debit	-	-	
	Other Charges	-	-	
	Total B	404.86	1094.66	
C	DEDUCT RECOVERIES:			
	Suspense credit	-	0.06	-
	D.R.C.A	-	-	-
	Total C	-	0.06	-
	Total (A+B-C)	448.50	1126.84	500.00

TABLE IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: IGGALUR RESERVOIR PROJECT

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	2	3	4	5	6	7
1	Iggalur barrage flow canal	15.3	Km	0	15	0
2	Distributory	150		0	10	40
3	LI Scheme	55		63	81	0

D8. NANJAPURA LIFT IRRIGATION SCHEME

Brief description of the project:

Nanjapura Lift Irrigation Scheme envisages lifting of 119 Cusecs of water from River Cauvery near Bannur Town in T.Narasipur Taluk of Mysore District and feed Turuganur Branch Canal near Nanjapura Village in order to augment supplies to 10000 Acres of atchkat under tail end distributary of Turuganur Branch Extension Canal, Halwara Branch, Ukkalagere Branch and B.G.Pura Channel (suffering atchkat 2000 Acres + Fresh atchkat 8000 Acres).

Cost of the project:

Administrative Approval has been accorded for Rs.28.00 Crores by the Government vide Government order No.: ID / 197 / MMK /96 Bangalore, dated: 27-05-1997 and technical sanction has been accorded for Rs.31.60 Crores under CER No. 119 / 1998-99.

Stage of work as on March 2007:

Pump House-cum-Sump well, Delivery cistern and other components of L.I.S like Regulator-cum-Road Bridge, Transition and improvements to Turuganur Branch Canal have been completed. Raising main work is under progress and 14580 m is completed out of 15940 m. Intake channel, control room, substation works are under progress.

Budget grant and expenditure during 2006-07:

The grant allotted for 2006-07 is Rs.7.00 Crores and with a programme to create an irrigation potential of 4049 Ha. Financial progress achieved during 2006-07 upto end of March 2007 is Rs.11.91 Crores.

The cumulative expenditure up to the end of March 2007 is Rs. 38.12 Crores. It is programmed to complete the project in all respect during the year 2007-08.

TABLE I

Name of the Project	Nanjapura Lift Irrigation Scheme
Estimated Cost	Rs.3160.00 lakhs
a) Budget grant for 2005-06	Rs. 1300.00 lakhs
b) Actual expenditure during 2005-06	Rs. 453.17 lakhs
c) Reasons for excess or shortfall	Shortfall of Rs 846.76, due to change of design of pipe in Bannur town links from P.S.C two rows to one row of M.S Pipes
d) Budget grant for 2006-07.	Rs.700.00 lakhs
e) Expenditure during 2006-07	Rs.1190.66 lakhs
f) Budget grant during 2007-08	Rs.1900.00 lakhs
g) Irrigation potential created during 2006-07.	-

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
Name of the Project: NANJAPURA LIFT IRRIGATION SCHEME

(Potential in Ha.)

Sl No.	Name of district	On full development	Created during 2005-06	Created during 2006-07	Programme during 2007-08
1	Mysore & Mandya	4049	-	-	4049

TABLE - III
FINANCIAL ESTIMATE
Name of the Project: NANJAPURA L.I.S.

(Rs. in lakhs)

Sl No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
1	2	3	4	5
A	ACTIVITY CLASSIFICATION			1000.00
	Distributories	-	-	
	Roads	-	-	
	Building	-	-	
	Other charges	-	-	
B)	OBJECTIVE CLASSIFICATION:			
	Salaries	94.96	103.38	
	Major / Minor works	358.21	1089.42	
	Machinery & Equipment	-	-	
	Suspense Debit	-	-	
	Other Charges	-	-	
	Total B	453.17	1192.80	
C)	DEDUCT RECOVERIES:			
	Suspense credit	-	-	-
	D.R.C.A	-	-	-
	Total C	-	-	-
	Total (A+B-C)	453.17	1192.80	1000.00

TABLE -IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: NANJAPURA L.I.S.

Sl. No.	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Pump house	1	-	1	-	-
2	Control Room	1			-	-
3	Sub Station	1			-	-
4	Pump and Machinery	1			-	-
5	Delivery Cistren	1			-	-
6	Raising main	14860.00	Km.	5000.00	8700.00	1160.00
7	B.G.Pura	41	Km.	8	10	23

D9. HEMAVATHY CANAL ZONE, TUMKUR

Hemavathy Canal Zone, Tumkur, has been formed at Tumkur vide G.O. No. PWD 11 PCO 87 dated 14-01-87 to take up the works coming under Mandya and Tumkur district and started functioning from 23-04-87. This is a part of Hemavathy project, for the execution of works of Tumkur Branch canal, Nagamangala Branch Canal which comes under Hemavathy left Bank Canal. As per the Government order No. WRD.32 KBN 2003 (B) Bangalore dated 08-08-2003 this zone is functioning under Cauvery Neeravari Nigama. The details of the work at present coming under this zone are as under.

Sl. No	Details	Length of canal in KM	Atchkat	
			Acres	Hectares
1.	'Y' alignment from ch.15675 to 21175 m	5.50	-	-
2.	Tumkur branch canal.	240.00	2,37,000	95,909
3.	Nagamangala branch canal.	78.325	1,47,000	59,488
4.	L.I.S. at exit of Bagur Navile Tunnel.	-	5,826	2,358
Total			3,89,826	1,57,755

The district wise and Taluk wise details of the area benefited are as under:

Sl. No.	Name of District & Taluk	Tumkur Branch canal	Nagamangala branch canal	Lift Irrigation Scheme	Total Atchkat in Acres.
I. Hassan District					
1.	C.R.Patna Taluk	-	47	2265	2312
II Tumkur District					
1.	Turuvekere Taluk	20234	27302	-	47536
2.	Tiptur Taluk	5665	4095	93	9853
3.	Gubbi Taluk	40064	914	-	40978
4.	Tumkur Taluk	6879	-	-	6879
5.	Kunigal Taluk	23067	1659	-	24726
III Mandya District					
1	Nagamangala	-	25471	-	25471
TOTAL in Ha.		95909	59488	2358	157755

The year wise financial progress are as under.

(Rs. in lakhs)

Sl. No.	Year	Progress
1.	1987-88	935.17
2.	1988-89	736.07
3.	1989-90	2,011.35
4.	1990-91	3,059.12
5.	1991-92	4,179.15
6.	1992-93	6,117.87
7.	1993-94	6,850.36
8.	1994-95	8146.85
9.	1995-96	9,362.33

Sl. No.	Year	Progress
10.	1996-97	9,203.02
11.	1997-98	7995.31
12.	1998-99	7,032.24
13.	1999-2000	5,159.65
14.	2000-2001	5,564.89
15.	2001-2002	5,481.65
16.	2002-2003	4300.09
17.	2003-2004	4826.41
18.	2004-2005	2095.26
19.	2005-2006	
20.	2006-2007	
Total		93056.79

'Y' ALIGNMENT

Total length of 'Y' alignment is 5.50 Kms. Earth work and C.D. works completed. Lining works under progress.

TUMKUR BRANCH CANAL (0-240 KMS)

Total length of Tumkur branch canal is 240 Kms, having an atchkat of 95,909 Ha. Now earth work is almost completed upto 187 Km. About 100 Km. C.C.lining work is completed. Balance lining work is under progress. It is programmed to tackle lining work in venurable reaches from 130 to 187 Km. during current year. The alignment is approved from 188 to 200 Km. and beyond 200 Km. Survey work is under progress. It is proposed to tackle Earth work during current year. Water has let out upto 183 Km.

There are 30 Distributaries. Out of which Distributary from 1 to 27A works are takenup. The work Distributary 1 to 22 almost completed. The Distributary works from 23 to 27A are in difference stages of progress.

Since 1996 water has been allowed in the canal during Khariff season every year for land development activities and drinking water supply to Tumkur and Tiptur town from km 124 and km 24 respectively to store water in Bugudanahalli and Yeachnoor tank. Further during the year water is allowed in the canal up to km.183. Action is also being taken as per the decision taken by the Irrigation Consultative committee.

NAGAMANGALA BRANCH CANAL (0 TO 78.325 KM.)

The length of Nagamangala branch canal is 78.325 Km having an atchkat of 59,488 Ha. The canal alignment of the entire length is approved The Main canal works from 0 to 78.325 is nearing completion.

The canal works from KM 62 to 67 is almost completed except aqueduct at ch.64.615 KM to 65.660 KM which is under progress.The main canal works from KM 68 to78.325 Kms are under progress. About 20 Km. C.C. Lining works are under progress and nearing completion. The balance 40 Km. lining works is programmed to tackle during current year. Water is allowed upto 59 Km.

There are 19distributaries, out of which 9 distributary works completed. The works of Dy.No.10 to 14 are under progress. The works of Distributary No.15 to 19 are taken upto during current year.

The canal works from 0-59 kms is completed and water has been allowed for land development activities since 1996. Further the tunnel works in km 42-43 is almost

completed. Also the earth work, embankment, and C.D. works completed up to 59 kms and water is allowed during the year.

LIFT IRRIGATION SCHEME AT THE EXIT OF BAGUR – NAVILE TUNNEL:

This lift irrigation scheme is envisaged to provide irrigation to an extent of 2358 Ha. The work of raising main, distribution chamber and the work of jack well cum pump house is completed. RBC and LBC works are under various stages of progress. It is commissioned during February –2004.

NEW PROJECT:-

a) HEBBUR – GULUR LIFT IRRIGATION:-

It is proposed to lift 0.7 TMC of water from ch.142.225KM of TBC to supply drinking water to 52 Villages. The Technical sanction to the estimate is accorded for Rs.38.50 crores. Tenders have been called to entrust the work on turn key basis. Further tender have been submitted to Government through CNL for approval. At present process of tender is held up.

b) HONNAVALI LIFT IRRIGATION:-

It is proposed to lift 0.60 TMC of water at ch.9.90 KM of TBC under this project, to supply drinking water to 244 Villages and to feed water to 6 tanks under Tiptur, Arasikere, Kadur and Hosadurga taluk. The Technical sanction to estimate is accorded for Rs.20.38 Crores. Tender have been called to entrust the work on turn key basis. Further tender have been submitted to Government through CNL for approval. At present processes of tender is held up.

The programme and progress for the year 2006-07 to end of March 2007 is as follows

Year	Financial (Rs.in Lakhs)		Physical (in Ha.)	
	Target	Achivement	Target	Achivement
2006-07	16100.00	13960.80	12135	11965

The requirement of Grant for 2007-08 is Rs.20, 000-00 lakhs

TABLE I

Name of the Project	Hemavathy Reservoir Project.
Estimated Cost	Rs. 2,060.00 Crores
a) Budget grant for 2005-06	Rs 11,925.00 lakhs
b) Actual expenditure during 2005-06	Rs. 10,006.82 lakhs
c) Reasons for excess or shortfall	Shortfall due to delay in land acquisition proceedings.
d) Budget grant for 2006-07.	Rs. 16100.00 lakhs
e) Expenditure during 2006-07	Rs. 13960.80 lakhs
f) Budget grant during 2007-08	Rs. 20000.00 lakhs
g) Irrigation potential created during 2006-07.	11964 Ha.

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: - HEMAVATHY RESERVIOR PROJECT (TUMKUR)
(Potential in. Ha)

Sl. No	Name of District	On full development	Created during 2005-06	Actual potential created during 2006-07	Programme during 2007-08
1	Tumkur	129972	6330	11965	4300
2	Mandya	25471	4094		3700
3	Hassan	2312	200		--
TOTAL:-		1,57,755	10,624	11965	8,000

TABLE - III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: - HEMAVATHY RESERVIOR PROJECT

Sl. No	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Distributories	4030.70	10500.00	12278.00
	b) Roads	103.14	500.00	750.00
	c) Buildings	40.94	200.00	285.00
	d) Other Charges	492.43	825.38	1000.00
	TOTAL:-	4667.21	12025.38	14313.00
B)	OBJECTIVE CLASSIFICATION			
	a) Salaries	840.80	1400.00	1490.00
	b) Major Minor Works			
	c) Machinery & Equipment	4498.81	6343.62	4197.00
	d) Suspense debit			
	e) Other charges			
	TOTAL:-	5339.61	7743.62	5687.00
C)	DEDUCT RECOVERIES			
	a) Suspense credit	--	--	
	b) D.R.C.A	--	--	
	TOTAL (-)	--	--	--
	TOTAL (B+C)	5339.61	7743.62	5687.00
	TOTAL :- (A+B+C)	10006.82	19769.00	20000.00

TABLE - IV
WORK LOAD SUMMARY

Sl. No	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	MAIN CANAL: -	24266.62	Th.	126.05	411.45	403.39
	Excavation.	3545.20	Cum	0.50	88.99	100.00
	Embankment	310000.00	Mtr.	17000	33683	35000
	Lining	754	No.	19	83	05
	C.D.Works					
2	DISTRIBUTORYE	10768.50	Th	872.66	1289.10	1300
	xcavation.	3051.75	Cum	5.79	220.80	300
	Embankment	720509	Mtr.	29000	68706.00	70000
	Lining	22594	No.	890	2222.00	2500
	C.D.Works					
3	L.I.S:-	214.17	Th.	--	04	0.50
	Excavation.	2863	Cum	--	--	0.50
	Embankment	23000.00	Mtr.	--	2764.00	3000
	Lining C.D.Works	173	No.	37	02	20

D10. HEMAVATHY RESERVOIR PROJECT, GORUR

Brief description of the project:

Hemavathy Project contemplates utilization of water from Hemavathy River to provide irrigation facilities to arid areas of Hassan, Tumkur, Mandya and Mysore District to irrigate an area of 2,65,075 Ha. (6, 55,000) by flow irrigation by utilising 52.28 TMC of water. In addition, 14 Lift Irrigation Scheme are taken up to irrigate an area of 18,517 Ha. in Hassan District. The project consists of a composite Dam across River Hemavathy near Gorur village in Hassan Taluk. As per Governemnt order No.WRD 32 dated: 12.5.2003, this project is transferred to Cauvery Neeravari Nigama Limited on 1.7.2003.

There are two zones under Hemavathy Project Viz., Hemavathy Project Zone, Gorur and Hemavathy Canal Zone, Tumkur. The jurisdiction of Hemavathy Project zone which include Hemavathy Dam is as follows: -

Sl. No	Name of the Canal	Length	Atchkat in Ha.
1.	Hemavathy Left Bank Canal	0 to 212 Km.	78,916
2.	Hemavathy Right Bank Canal	0 to 91 Km	8,093
3.	Hemavathy Right Bank High Level Canal	0 to 97 Km.	22,662
	Total		1,09,671
4.	19 Lift Irrigation Schemes.		27,700
	Grand total		1,37,371

Cost of the project:

The original project report estimated at a cost of Rs. 16.30 crores was administratively approved by Govt., Vide G.O.No.PWD GHK 63, dated 18-9-1967 and technically sanctioned vide C.E.R.No.69/67-68 dated 16th February 1968. The Revised estimate for the project was prepared at S.R.of 1985-86 amounting to Rs. 588.00 Crores and has been administratively approved by Government vide letter No.PWD 83 NHP 84, dated 20.6.1986 and technically sanctioned vide CER No. 25/87-88 dated 27-8-1987. The Re-revised cost of this project has been assessed as Rs. 3710.00 Crores at 1999-2000 S.R. of rates.

Stage of the work as on March 2007:

The Dam works are completed, Canal works and Lift Irrigation Schemes are in various stages of progress. The Earthwork excavation in Hemavathy Left Bank Canal is already completed, except in some reaches. Earthwork excavation and embankment in Hemavathy Right Bank Canal and Hemavathy Right Bank High Level Canal are completed. Lining work in certain reaches is yet to be tackled.

TABLE I

Name of the project	HEMAVATHY (GORUR)
Estimated Cost	Rs. 588.00 Crores
Budget grant for 2005-06	Rs. 9094.73 Lakhs
Actual Expenditure during 2005-06	Rs. 12010.92 Lakhs
Reasons for excess or shortfall	Does not arise
Budget grant for 2006-07	Rs. 6000.00 Lakhs
Expenditure during 2006-07	Rs. 13009.00 Lakhs
Budget requirement for 2007-2008	Rs. 24382.94 Lakhs
Irrigation potential created during 2006-07	5343 Hectares

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT- HEMAVATHY

(Potential in Ha)

Sl. No.	Name of District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08
1	Hassan, Mandya, Mysore	125837	1775	5343	3992

TABLE - III
FINANCIAL ESTIMATE
NAME OF THE PROJECT-HEMAVATHY

(Rs. in Lakhs)

Sl. No.	Classification	Actual 2005-06	Actual 2006-07	Budget grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Distributories	1111.51	Actual expenditure during 2006-07 is Rs. 16462.32 lakhs	1500.00
	b) Roads	670.52		2046.00
	c) Buildings	35.02		410.00
	d) Other Charges	2428.42		15587.00
	Total A	4245.47		19773.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	1310.42		1839.32
	b) Major Minor works	1067.92		3045.62
	c) Machinery & Equipment	411.04		600.00
	d) Suspense debit	99.70		-
	e) Other Charges	-		4415.00
	Total B	2889.08		9899.94
C	DEDUCT RECOVERIES			
	a) Suspense credit	17.88		-
	b) D.R.C.A	-		-
	Total C	17.88	16462.32	-

TABLE - IV
WORK LOAD SUMMARY
NAME OF THE PROJECT-HEMAVATHY

Sl. No.	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Creation irrigation potential including seepage affected rehabilitation works	Rs.58800.00 lakhs	Lakhs	Rs. 11189.84 lakhs & 1775 hectares	Rs. 26872.94 lakhs & 4741 hectares	Rs. 24382.94 lakhs & 3992 hectares

Brief description on the project:

The Yagchi project comprises of a reservoir across the River Yagchi, tributary of River Hemavathy near Chikkabyadagere village in Belur Taluk of Hassan District, with left bank canal for providing irrigation facilities to an extent of 21,450 Hectares (53,000 Acres) in Belur, Alur, Hassan and Holenarasipura Taluks in Hassan District. The utilization under this project will be 162 M cum. (5.47 TMC)

The project envisages construction of 1200 M (4199.68 Ft.) long and 29.15 M (95.54 Ft) height composite Dam with left flank concrete spillway with rock fill wrap round and earthen flanks. The storage capacity the reservoir is 89.54 M cum. (3.164 TMCFT). Only one left bank canal is proposed. The total length of left bank canal is 100 Km.

Cost of the project:

The cost of the project was estimated at Rs. 3538.00 lakhs based on S.R of 1983-84 and has been administratively approved by Government in their order No. PWD 91 NAP 83 dated 27-5-1984. The revised cost of project is Rs. 302.50 crores at 1999-2000 level of rates.

TABLE I

Name of the project	YAGACHI
Estimated Cost	Rs. 302.50 Crores
Budget grant for 2005-06	Rs. 2964.88 Lakhs
Actual Expenditure during 2005-06	Rs. 1959.81 Lakhs
Reasons for excess or shortfall	Slow progress of 3 reaches of aqueduct
Budget grant for 2006-07	Rs. 2500.00 Lakhs
Expenditure during 2006-07	Rs. 1948.75 Lakhs
Budget requirement for 2007-2008	Rs. 4579.00 Lakhs
Irrigation potential created during 2006-07	241 Ha.

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT- YAGACHI

(Potential in Ha.)

Sl. No.	Name of District	On full development (In Ha)	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08
1	Hassan	14973	1300	241	2400

TABLE - IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: YAGACHI

Sl. No	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Main canal EWE completed upto 83 rd km except 76 & 83 rd km EWE is under progress, aqueduct work reach 1 & II is under progress. 90 % of Distributory work completed upto D-24 balance distry work is under progress. CD-works 40-83 km is under progress. Now Agile tunnel starts from 75.40 km of YLBC tender under progress lining work from 24-35 & 40-46 km is under progress.	302.50 crores	in Lakhs	upto date 1300 Hectares Declared	2500 Hectares & Rs 2710.00 Lakhs	3000 Hectares & Rs 3000.00 Lakhs.

**TABLE - III
FINANCIAL ESTIMATE
NAME OF THE PROJECT-YAGACHI**

(Rs. in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Distributories	156.09		200.00
	b) Roads	67.35		50.00
	c) Buildings	5.94		20.00
	d) Other Charges	1730.43		4309.00
	Total A	1959.81		4579.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	135.26	Grant Allotted for 2006 – 07 is Rs. 2710.00 Lakhs Revised	161.00
	b) Major / Minor works	4.14		8.00
	c) Machinery & Equipment	12.91		-
	d) Suspense debit	1808.31		4412.00
	e) Other Charges	-		-
	Total B	1960.62		4581.00
C	DEDUCT RECOVERIES			
	a) Suspense credit	0.81		-
	b) D.R.C.A	-		2.00
	Total C	0.81		2.00
	Total (B + C)	1959.00	2710.00	4579.00

D12. VOTEHOLE PROJECT

Brief notes on the project:

Votehole project comprises of construction of a reservoir across Votehole, tributary to the River Yagachi near Lakkenahalli village in Belur taluk of Hassan Distirct with canal on both banks to provide irrigation facilities to an area of 7487 Ha. (18,500 Acres) in Alur and Belur taluks of Hassan Distirct. The utilization propsed under this project is 67.74 M cum (2.39 TMC).

Cost of the project:

The original project costing Rs. 205.00 lakhs was administratively approved by Government in their order No. PWD 5 GIP 64, dated 15-10-1971. Government of India planning commissions has in their letter No. 11-10/(1) (16)/71-1 and dated 20-9-1971, cleared the Votehole Project. The revised estimated of the project amounting to Rs. 2100.00 lakhs has been administratively approved by Government in their order No. PWD 59 NHP 85 dated 23.12.1987. Now the latest Re-revised estimate amounting to Rs. 38.00 Crores at 1995-96 S.R. is administratively approved on dated 22-4-1996. There was NABARD assistance to this project to the tune of Rs. 527.00 lakhs and full assistance is utilized during 1995-96 and 1996-97.

Stage of the Project as on March 2007:

The project consists of construction of Masonry Dam of 900 Mtr. length (1253 Ft) and 28 Mtr. (92 Ft) height from average river bed level with a central masonry spill way and earthen flanks. The storage capacity of the reservoir is 42.73 M. cum (1.51 T.M.C)

The left bank canal runs for a length of 10 KM. (6.2 Miles) and commands an area of 202 Ha. (500 acres). The Right bank canal runs for a length of 38 Km. (23.75 miles) to command an Irrigation area of 4283 Ha. (18583 acres) The length of Nakalgud Branch canal is 15 KM. with an atchkat of 3002 Ha.

The Dam proper has been completed including erection crest gates. The canal works are almost completed except lining in some reaches. A cumulative expenditure of Rs. 5317.00 lakhs has been incurred up to end of March 2007 including NABARD Assistance.

TABLE I

Name of the project	VOTEHOLE PROJECT
Estimated Cost	52.50 Crores
Budget grant for 2005-06	Rs. 365.39 Lakhs
Actual Expenditure during 2005-06	Rs. 183.18 Lakhs
Budget grant for 2006-07	Rs. 245.00 Lakhs
Expenditure during 2006-07	Rs. 259.20 Lakhs
Budget requirement for 2007-2008	Rs. 2621.00 Lakhs

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT-VOTEHOLE

(Potential In Ha)

Sl. No.	Name of District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08
1	Hassan	7487	-	-	-

TABLE - III
FINANCIAL ESTIMATE

NAME OF THE PROJECT-VOTEHOLE (Rs. in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-2007	Budget grant for 2007-08	
A	ACTIVITY CLASSIFICATION				
	a) Distributaries	2.62	Grant Allotted for 2006-07 is Rs. 245.00 Lakhs.	4.00	
	b) Roads	15.53		80.00	
	c) Buildings	-		5.00	
	d) Other Charges	165.03		532.00	
	Total A	183.18		621.00	
B	OBJECTIVE CLASSIFICATION				
	a) Salaries	34.84		46.00	
	b) Major Minor works	148.24		574.00	
	c) Machinery & Equipment	1.09		2.00	
	d) Suspense debit	-		-	
	e) Other Charges	-	-		
	Total B	184.17	628.00		
C	DEDUCT RECOVERIES				
	a) Suspense credit	-	-		
	b) D.R.C.A	0.99	1.00		
	Total C	0.99	1.00		

TABLE - IV

NAME OF THE PROJECT: VOTEHOLE

Sl. No	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Improvement to canal and distributaries & tanks coming under votehole reservior project.	850.50	Lakhs	183.18 Lakhs & ultimate potential is already created.	Rs. 245.00 Lakhs ultimate potential is already created.	Rs. 621.00 Lakhs & utimate potential 7487 Ha. is already created.

D13. KAMASAMUDRA LIFT IRRIGATION SCHEME**Brief description of the project:**

Kamasamudra Lift Irrigation Scheme envisages lifting of water from Hemavathy River near Kamasamudra village in Holenarasipura taluk to provide irrigation facility to 7670 acres of land. This scheme is implemented in three stages to facilitate contemplated atchkat of 12670 acres. The scheme contemplates lifting of 98 cuses in 1st stage with the help of six numbers of 700 HP deep turbine pumps and 73 cusecs in 2nd stage with the help of 330 HP centrifugal pumps. The above scheme is handed over to Major irrigation department by the MI department during 1995.

Cost of the project:

The original estimate of the scheme for Rs.99.80 Lakhs was administratively approved by the Government vide GO No PWD 180 IIS84 Dt: 12-06-1984. The revised estimate for Rs.1800 Lakhs was technically sanctioned by CE, MI South, Bangalore vide CER No 21/94-95 Dt.02-02-1995. The revised estimated cost of the project as per SR rates of 1994-95 is Rs. 1800.00 lakhs.

Stage of the Project as on March 2007:

1st stage of Kamasamudra LIS contemplates approach channel, head regulator, jack well, pump house, raising main, cistern and transformer substation which are completed. The construction of pump house and erection of pump sets are completed and commissioned. The canal network is also completed except 9 KM to 14 KM of LBC. The works in this reach are under progress.

Kamasamudra LIS 2nd stage is programmed to complete 34 Km's of canal during this year out of which 26 KM's of canal is already completed. The remaining canal work is hindered manly due to land acquisition problems. The 1st and 2nd stage of Kamasamudra LIS envisages L.B.C of length 14KM, R.B.C of length 7 KM, Malali branch canal of length 54 KM and Nagenahally Branch canal of length 12.40 KM. This scheme is already commissioned.

TABLE - I

	Name of the project	Kamasamudra LIS
	Latest estimated cost	Rs. 18.00 crores
a)	Budget grant for 2005-06	Rs.400.00 Lakhs
b)	Actual expenditure during 2005-06	Rs.434.07 Lakhs
c)	Budget grant for 2006-07	Rs. 900.00 Lakhs
d)	Expenditure during 2006-07	Rs.1183.80 Lakhs
e)	Budget grant for 2007-08	Rs.1175.00 Lakhs
f)	Irrigation potential created during 2006-07	Rs.1666 Hectares

TABLE - II**DETAILS OF IRRIGATION POTENTIAL**

NAME OF THE PROJECT- KAMASAMUDRA LIFT IRRIGATION PROJECT**(Potential In Ha)**

Sl. No.	Name of District	On full development	Created during 2005-06	Potential created during 2006-07	Program me during 2007-08
1	Hassan	3916	1428	1666	488

TABLE - III**FINANCIAL ESTIMATE****NAME OF THE PROJECT: - KAMASAMUDRA LIFT IRRIGATION****(Rs. in Lakhs)**

Sl. No.	Classification	Actual 2005-06	Actual 2006-07	Budget grant for 2007-08
1.	Kamasamudra Lift Irrigation project	434.07	900.00	1175.00

TABLE - IV**WORK LOAD SUMMARY****NAME OF THE PROJECT: KAMASAMUDRA LIFT IRRIGATION SCHEME**

Sl. No	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Kamasamudra Lift Irrigation Scheme includes construction of pump house, raising main jack well, cistern canal network, necessary CD work	1800 lakhs	-	434.07 lakhs and 1428.00 hectares	1183.80 lakhs and 1666 hectares	850.00 lakhs

D14. KACHENAHALLI LIFT IRRIGATION SCHEME

Brief description of the project:

Hemavathy River is one of the main tributaries to Cauvery river. It flows mainly in Hassan district and partly in Mandya district before joining river Cauvery. A dam is constructed across Hemavathy River near Gorur village of Hassan district to facilitate irrigation to 6,55,000 acres of lands in Hassan, Mandya and Tumkur districts. However, lands situated in upper reach of Hemvathy Left Bank Canal cannot feed several villages of Channarayapatna taluk and Holenarasipura taluk. These areas mainly depend on monsoon.

In view of scanty rainfall prevailing in these area, the village of Channarayapatna and Holenarasipura taluks, represented to provide lift irrigation facility to their lands. To provide irrigation facility to the lands belonging to several villages in Channarayapatana and Holenarsipura taluks, a lift irrigation scheme near Kachenahally has been administratively approved by the Government of Karnataka vide G.O No. ID 1 NHP 91, Bangalore Dtd: 27.12.1991 for Rs.890.00 Lakhs for providing irrigation to 8000 acres of semi dry crops during Khariff season and 5,500 acres of semidry crops during Rabi season by utilising 0.73 T.M.C ft of regenerated water from Hemavathy River by two stages lifts.

Cost of the project:

The revised estimated cost of the project as per SR rates of 1990-91 is Rs. 890.00 lakhs. The estimate has been revised as per C.S.R of 1999-2000 continued for 2000-01 for Rs. 6950 lakhs and placed before the 64th meeting of T.A.C held on 12th July 2001. The Committee has cleared the scheme with certain conditions and the same are complied and placed before the MIPC board for Rs. 6830 lakhs and the board has accorded approval during its meetign held on 01.10. 2001.

Stage of the Project as on March 2007:

Earthwork excavation work in Samudravalli main canal, Dandiganahalli branch canal and Bijamaranahalli are partly completed and are under progress.

Stage 1 of the project which includes headworks, intake canal, sump and jackwell works are approved and are entrusted to M/s. I.V.R.C.L. INFRASTRUCTURES & PROJECTS Ltd., Hyderabad on tender basis.

Survey works of stage 1 & 2 are entrusted to M/s. SECON Survey Pvt, Ltd. and are completed. Survey works of stage 3 are to be taken up.

TABLE - I

	Name of the project	Kachenahalli LIS
a)	Budget grant for 2005-06	Rs. 400.00 Lakhs
b)	Actual expenditure during 2005-06	Rs. 78.83 Lakhs
c)	Budget grant for 2006-07	Rs. 1000.00 Lakhs
d)	Expenditure during 2006-07	Rs. 81.74 Lakhs
e)	Budget requirement for 2007-08	Rs. 3075.00 Lakhs
f)	Irrigation potential created during 2006-07	-

TABLE - II

DETAILS OF IRRIGATION POTENTIAL

NAME OF THE PROJECT- KACHENAHALLI LIFT IRRIGATION PROJECT

(Potential in Ha)

Sl. No.	Name of District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08
1	Hassan	5100	-	-	-

TABLE - III

FINANCIAL ESTIMATE**NAME OF THE PROJECT:- KACHENAHALLI LIFT IRRIGATION PROJECT****(Rs. in Lakhs)**

Sl. No.	Classification	Actual 2005-2006	Actual 2006-07	Budget grant for 2007-08
1.	Kachenahalli Lift Irrigation project	78.83	81.74	3075.00

TABLE - IV**WORK LOAD SUMMARY****NAME OF THE PROJECT: KAMASAMUDRA LIFT IRRIGATION SCHEME**

Sl. No	Activity	Total work load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Kachenahalli Lift Irrigation Scheme includes construction of pump house, raising main jack well, cistern canal network, necessary CD work	Rs. 6830.00 lakhs	-	RS. 78.83 lakhs	Rs. 80.00 lakhs	Rs. 3075.00 lakhs

D15. TARAKA PROJECT**Brief description of the project:**

The Taraka project comprises of a reservoir across the River Taraka, a tributary to River Kabini in Cauvery basin. The dam is located near Penjahalli village in Heggadadevanakote taluk of Mysore District, with canals on both banks to provide irrigation to an extent of 7040 Hectares in H.D.Kote taluk. The utilisation proposed is 102.78 M.Cum (3.13 TMC). Administrative Approval has been accorded to the project costing Rs. 170 lakhs in G.O. No. PWD / 23 / GIP / 67, dated 12-4-1970. The work was started during 1970 and completed during 1984.

The anticipated inflow is not being received to the Taraka reservoir and hence water can not be supplied to the full extent of 7040 Ha. Due to this an atchkat of 3610 Ha. is suffering. In order to overcome this, it is proposed to lift 2.07 T.M.C. of water from Kabini Reservoir to Taraka Reservoir in the rainy season of three months. . A revised Estimate including lift scheme for Rs. 5100 lakhs was administratively approved by the Government vide G.O. No. ID/36/MMF/93/ dated 15- 04-1996 and technically sanctioned by Chief Engineer, Irrigation (S) zone, Mysore vide CER No. 44/96-97. In this sanctioned estimate, the Taraka project estimate cost is Rs. 1938 lakhs and that of lift component is 3162 lakhs.

The project envisages the following:

Dam: - The gross storage capacity of 3.94 TMC of which the dead storage is 0.735 TMC.

Canal system: - The canal system comprises of

Left bank canal: The canal runs for a length of 50 km to irrigate an area of 2428 Ha.

Right bank canal:- The right bank canal comprises of main canal for a length of 37.60 km and a link canal of length 1.05 km with two branches running for a length of 22 km (left branch) and 12 km (right branch) with a total atchkat of 4612 Ha.

Present stage of work as on March 2007:-

Dam and flow irrigation network is completed. Under lift component, Intake canal, Road Bridge, Sumpwell cum pumphouse, laying of PSC pipes for Rising main, delivery chamber, feeder canal upto 5.26 km, erection of pumping machinery and electrical outdoor substation works are completed. Providing M S specials for rising main is under progress. Feeder canal work beyond 5.26 km upto Taraka reservoir for a length of 1.27 km is nearing completion.

The total out-lay of the project since inception to end of March 2007 is Rs. 5225.00 lakhs and the potential created is 7040 Ha.

TABLE I

Name of the Project	TARAKA PROJECT
Estimated Cost	Rs. 5100.00 Lakhs
a) Budget grant for 2005-06	Rs. 1000.00 Lakhs
b) Actual expenditure during 2005-06	Rs. 858.50 Lakhs
c) Budget grant for 2006-07.	Rs. 800.00 Lakhs
d) Expenditure during 2006-07	Rs. 793.26 Lakhs
e) Budget grant for 2007-08	Rs. 700.00 Lakhs

**TABLE II
DETAILS OF IRRIGATION POTENTIAL**

(Potential in Ha.)

Sl. No.	Name of the District	On full development	Created during 2006-07	Potential created during 2006-07	Programme during 2007-08.
1	Mysore	7040	-	-	-

**TABLE IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: TARAKA PROJECT**

Sl.No	Activity	Total Work Load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Sumpwell Cum Pump House	1	No.	Completed		
2	Rising Main	1.30 x 4 = 5.20	Km	Completed		
3	Pumping Units	5	Nos.	-	5	-
4	Feeder Canal	6.44	Km	-	1.18	5.26

TABLE III
FINANCIAL ESTIMATE
Name of the Project: TARAKA PROEJCT

(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget Grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Canals and Branches	738.01	659.52	378.00
	b) Distributaries	8.23	0.19	0.00
	c) Roads	-	-	-
	d) Buildings	-	-	7.00
	e) Other Charges	79.67	0.00	224.00
	Total A	825.91	659.71	609.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	32.27	35.94	40.00
	b) Major/Minor Works	-	-	-
	c) Machinery and Equipment	0.32	1.44	1.00
	d) Suspense Debit	-	-	-
	e) Other Charges (Land acquisition)	-	96.17	50.00
	Total B	32.59	133.55	91.00
C	DEDUCT RECOVERIES			
	a) Suspense Credit	0.00	0.00	0.00
	b) D.R.C.A	0.00	0.00	0.00
	Total C	0.00	0.00	0.00
	Total (A + B -C)	858.50	793.26	700.00

D16. UDUTHOREHALLA PROJECT

Brief description of the project:

Uduthorehalla stream is a major tributary to Thattehalla River which, in turn, is a tributary to River Cauvery. The Uduthorehalla Reservoir is constructed across Uduthorehalla near Ajjipura Village of Kollegala Taluk of Chamarajanagar.

Cost of the project:

The project was originally sanctioned for Rs.755.00 Lakhs vide G.O.No. PWD-60/GIP/71 dated 30.11.1978. Later revised estimate is administratively approved for Rs.32300 lakhs vide G.O No. PWD/134/MMK/85 dated 25. 11.1985.

Stage of work as on March 2007:

An area of 6602 Ha. can be irrigated utilizing 1231 Mcft of water with left and right bank canals. The project cost is being revised for Rs. 23500 lakhs and is under scrutiny.

Out of the total atchkat of 6605 Ha., 2511 Ha. is proposed to be irrigated through Left Bank Canal and 4091 Ha. is proposed to be irrigated through Right Bank Canal with a designed discharge of 68 Cusecs and 95.76 Cusecs respectively.

Dam : It comprises of construction of composite dam of length 1530 Mtrs. and a height of 46 M. The storage capacity of dam is 18.97 M. cum (0.67 TMC) and an area of 125 Ha. of forest land is submerged. The work of dam is completed.

Canal system: The canal system comprises of

a) Left Bank Canal: It runs for a length of 10.2 Kms. to irrigate an area of 2511 Ha. The canal network upto 6th Km is completed.

b) Right Bank Canal: The total length of canal is 30.30 KM. It runs to a length of 9.10 Kms. and then divides into Left and Right Branch, each for a length of 11.20 Kms. and 15.00 Kms. respectively to irrigate an area of 4091 Ha.. The canal works up to 8.47 Km is completed and the remaining works are under progress.

The total out-lay of the project since inception to end of March 2007 is Rs 19,178.00 lakhs and the potential created is 5841 Ha.

TABLE I

Name of the Project	UDUTHOREHALLA PROJECT.
Estimated Cost	Rs. 23000.00 Lakhs
a) Budget grant for 2005-06	Rs.1200.00 Lakhs
b) Actual expenditure during 2005-06	Rs. 949.40 Lakhs
c) Budget grant for 2006-07.	Rs. 3000.00 Lakhs
d) Expenditure anticipated during 2006-07	Rs. 1997.18 Lakhs
e) Budget grant for 2007-08	Rs. 2000.00 Lakhs
f) Irrigation Potential created during 2006-07.	3091 Ha.

TABLE II**DETAILS OF IRRIGATION POTENTIAL****Name of the Project: UDUTHOREHALLA RESERVOIR PROJECT****(Potential in Ha.)**

Sl. No.	Name of the District	On full development	Created during 2005-06	Potential created during 2006-07	Programme during 2007-08.
1	Chamarajanagar	6602	-	3091	355

TABLE IV**WORK LOAD SUMMARY****NAME OF THE PROJECT: UDUTHOREHALLA RESERVOIR PROJECT**

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Aachievement during 2006-07	Programme for 2007-08
1	Dam & Appurtenants					
	Earthwork Excavation & Embankment	5225180	Cum	1000	16000	-
	Concrete	154925	Cum	2500	4252	-
2	Main Canal					
	Earthwork Excavation & Embankment	509000	Cum	7635	316083	100000
	Lining	40	Km	15	19.5	5
	C.D.Works	89	Nos.	-	44	4
3	Distributories					
	Earthwork	436000	Cum	5000	60000	140000
	Lining	60	Km	20	26.5	20
	C.D.Works	70	Nos.	-	43	37

TABLE III
FINANCIAL ESTIMATE
Name of the Project: UDUTHOREHALLA RESERVOIR PROJECT
(Rs. in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Canals and Branches	586.46	1521.89	840.00
	b) Distributaries	286.96	354.17	880.00
	c) Roads	4.26	14.02	20.00
	d) Buildings	8.36	3.91	12.50
	e) Other Charges	20.72	0.00	0.00
	Total A	906.76	1893.99	1752.50
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	38.60	39.32	45.00
	b) Major/Minor Works	-	-	-
	c) Machinery and Equipment	4.04	4.03	2.50
	d) Suspense Debit	-	-	-
	e) Other Charges (Land acquisition)	-	59.84	200.00
	Total B	42.64	103.19	247.50
C	DEDUCT RECOVERIES			
	a) Suspense Credit	0.00	0.00	0.00
	b) D.R.C.A	0.00	0.00	0.00
	Total C	0.00	0.00	0.00
	Total (A + B-C)	949.40	1997.18	2000.00

D17. HUCHANAKOPPALU LIFT IRRIGATION SCHEME

Brief description of the project:

Huchanakoppalu lift irrigation scheme comprises of lifting 0.971 TMC of water from Hemavathy River near Huchanakoppalu Village to irrigate an achkat of 8305 acres in Hassan district.

Cost of the project:

The administrative approval for Huchanakoppalu LIS was sanctioned by the Government vides G.O. No. LIS/86 Dt: 14.07.86 for Rs. 690.00 Lakhs. The Revised Estimate for Rs. 1,500.00 Lakhs was prepared and placed before the technical committee on 29.11.1990 and the committee has cleared the estimate. The revised estimated cost of the project as per 1995-96 SR is Rs. 3000.00 lakhs.

Stage of work as on March 2007:

The Huchanakoppalu LIS 1st stage works such as intake channel, sump well, jack well, pump house, five numbers of deep well turbine pumps (Four pumps + One stand by pump) are already completed. 86 cusecs of water is being pumped through these pumps under 1st stage.

It is programmed to create an irrigation potential of 3785 hectares and the 1st stage work in all respects is completed and the water is allowed through Hirehally main canal, Billenahally, Haragowdanahally canals. The 1st stage of Huchanakoppalu LIS is already completed and commissioned.

It is proposed to start the 2nd stage of Huchanakoppalu LIS work at chainage 990 mtr of Hirehally main canal. The intake canal for the 2nd stage work is already executed. Tenders called for the work of construction of pump house, supplying and erection of pumps. The second stage LIS work is being contemplated with irrigation potential of 4520 acres. The canal works are under progress.

TABLE - I

	Name of the project	Huchanakoppalu LIS
a)	Budget grant for 2005-06	Rs. 400.00 Lakhs
b)	Actual expenditure during 2005	Rs. 308.18 Lakhs
c)	Budget grant for 2006-07	Rs. 900.00 Lakhs
d)	Expenditure during 2006-07	Rs. 859.89 Lakhs
e)	Budget requirement for 2007-08	Rs. 1650.00 Lakhs
f)	Irrigation potential created during 2006-07	1532 Hectares

TABLE - II

**DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT- HUCHANAKOPPALU LIFT IRRIGATION
(Potential in Ha)**

Sl. No.	Name of District	On full development	Created during 2005-06	Potential created during 2006-07	Program me during 2007-2008
1	Hassan	3360	1055	1532	805

TABLE - III

**FINANCIAL ESTIMATE
NAME OF THE PROJECT- HUCHANAKOPPALU LIFT IRRIGATION
(Rs. in Lakhs)**

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Actual 2006-07	Budget grant for 2007-08
1.	Huchanakoppalu Lift irrigation Scheme	308.18	900.00	859.89	1650.00

TABLE - IV

**WORK LOAD SUMMARY
NAME OF THE PROJECT: HUCHANAKOPPALU LIFT IRRIGATION**

Sl. No	Activity	Total work load	Unit	Achievement during 2005-06	Antidipa ted achievement for 2006-07	Programme for 2007-08
1	Huchanakoppalu Lift Irrigation Scheme includes construction of pump house, raising main jack well, cistern canal network, necessary CD work	2250 lakhs	-	308.18 lakhs and 1055.00 hectares	859.89 lakhs and 1532 hectares	1650 lakhs and 1040 hectares

D18. CHICKLIHOLE PROJECT

Brief description of the project:

Chiklihole project is constructed across River Chiklihole, a tributary of River Cauvery, near Rangasamudra village of Somawarpet taluk. This project was started during 1978 with an initial cost of Rs.3.40 Crores.

The Government gave Approval for the revised cost of Rs. 19.00 Crores during 1997. Under this project, potential of 865 Ha of land in Somwarpet taluk has been created.

Dam & allied work is completed. Works of 45.50 km long left bank canal is completed.

The cumulative expenditure incurred since inception upto end of March 2007 is Rs. 19.00 Crores.

During 2006-07, a grant of Rs. 1.00 Crores has been allocated and Upto end of March 2007 an expenditure of Rs. 1.00 Crores is incurred.

TABLE-I

NAME OF THE PROJECT; -	CHICKLIHOLE
Estimated cost	19.68Crores
Stage of work	Under Progress
a) Budget grant for 2005-06	Rs.30.17 lakhs
b) Expenditure during 2005-06	Rs.1.89 lakhs
c) Reasons for excess or shortfall.	-
d) Budget grant for 2006-07	Rs. 100.00 lakhs
e) Expenditure during 2006-07	Rs. 100.00 lakhs
f) Irrigation potential created during 2006-07	-

TABLE-II

**DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: CHICKLIHOLE**

Unit: Hectares.

Sl. No.	Name of District	On full Development (in Ha)	Created up to end 03/2006	Potential created during 2005-06	Programme during 2006-07
1	Kodagu	865	865	-	-

TABLE-IV

**WORK LOAD SUMMARY
NAME OF THE PROJECT: CHICKLIHOLE**

Sl. No.	Activity	Total work load	Unit	Achievement during 2005-06	Achievement during 2006-07	Programme for 2007-08
1	C.D	23	No.	7	16	-

TABLE-III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: CHICKLIHOLE

(Rs.in lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Distributories	2.80		
	b) Roads	8.93		
	c) Buildings	-		
	d) Other charges	0.86		
	Total A	12.59		
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	-		
	b) Major minor works	17.58	-	-
	c) Machinery & equipment	-		
	d) Suspense debit	-		
	e) Other charges	-		
	Total B	17.58		
C	DEDUCT REQUIREMENT			
	a) Suspense Credit	-		
	b) D.R.C.A.	-		
	Total C	-		
	Total (A+B-C)	30.17	-	-

D19. BANNAHALLI HUNDI LIFT IRRIGATION SCHEME

Brief description of the project:

Bannahallihundi Lift Irrigation scheme is proposed to be taken up by lifting water from Kabini River near Tayur village in Nanjangud Taluk of Mysore district. It is proposed to irrigate 1773 ha. (4380 Acres) of land for semi dry crops under this scheme and for this purpose it is proposed to lift 48 cusecs of water.

Administrative Approval to the project costing Rs. 1625.00 lakhs has been obtained from Government in G.O. No. ID / 272 / MMK/ 97 Bangalore, dated 2.2.2001.

The work is entrusted on turn key basis to M/S. SPML, Bangalore. The land acquisition is under process for various components of work. However, after obtaining consent from land owners, works pertaining to some components are to be taken up. The ridge cistern and secondary cistern works are completed. The excavation of feeder canal from ridge cistern to secondary cistern is completed and the lining work is under progress.

The scheme is proposed to be completed during 2007-08. An expenditure of Rs, 445.21 lakhs has been incurred on the project since inception.

TABLE I

Name of the Project	BANNAHALLIHUNDI LIS
Estimated Cost	Rs. 1625.00 Lakhs
a) Budget grant for 2005-06	-
b) Actual expenditure during 2005-06	Rs. 4.05 Lakhs
c) Reasons for excess or shortfall	-
d) Budget grant for 2006-07.	Rs. 1000.00 Lakhs
e) Expenditure during 2006-07	Rs. 445.21 Lakhs
f) Budget requirement for 2007-08	Rs. 1000.00 Lakhs
g) Irrigation Potential created during 2006-07.	-

TABLE II
DETAILS OF IRRIGATION POTENTIAL
Name of the Project: BANNAHALLIHUNDI LIS

Sl. No	Name of the District	On full development (in Ha.)	Created during 2006-07	Potential created during 2006-07	Programme during 2007-08.
1	Mysore	1773	-	-	1773

TABLE III
FINANCIAL ESTIMATE
Name of the Project: BANNAHALLIHUNDI LIS

Sl. No.	Classification	Actual 2005-06	Revised estimate for 2006-07	Budget Grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Bannahallihundi LIS	-	412.85	1000.00
	b) Roads	-	-	-
	c) Buildings	-	-	-
	d) Other Charges	-	-	-
	Total A	0.00	412.85	1000.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	-	-	-
	b) Major/Minor Works	-	-	-
	c) Machinery and Equipment	-	-	-
	d) Suspense Debit	-	-	-
	e) Other Charges	-	-	-
	Total B	0.00	0.00	0.00
C	DEDUCT RECOVERIES			
	a) Suspense Credit	-	-	-
	b) D.R.C.A	-	-	-
	Total	-	-	-
	Total (B + C)	0.00	0.00	0.00
	Total (A + B - C)	0.00	412.85	1000.00

TABLE IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: BANNAHALIHUNDI LIFT IRRIGATION SCHEME

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Intake Well	1	Nos.	-	-	1
2	Rising Main	4.30	Km	-	-	4.30
3	Ridge Cistern	1	Nos.	-	1	-
4	Feeder Canal	0.93	Km	-	0.93	-
5	Secondary Cistern	1	Nos.	-	1	-
6	Canal Networks	14.00	Km	-	-	14.00
7	Pumping Machinery	3+1	Nos.	-	-	4

D20. BADANAVALU LIFT IRRIGATION SCHEME

Brief description of the project:

Badanavalu Lift Irrigation scheme is proposed to be taken up by lifting 102 Cusecs of water from Kabini River near Alambur village in Nanjangud Taluk of Mysore district. It is proposed to irrigate 3664 ha. (9663 Acres) of land benefiting 12 villages of Nanjangud and Chamarajanagar Taluk, for semi dry crops under this scheme. Administrative Approval to the project has been accorded from Government in G.O. No. ID / 168 / MMK/ 97 Bangalore, dated 24.2.1999 and technical sanction is accorded by the chief Engineer, Irrigation (South), Mysore for Rs.3450 lakhs.

Pre-qualification tenders were invited for the work to taken up under Turn-Key basis and 10 agencies were pre-qualified. After obtaining the suggestions of BWSSB, the Draft tender papers and modified estimate was placed before TSC of CNNL. Considering the suggestions of TSC the work of obtaining detailed designs for pumping machinery, Electrical works, detailed estimate, draft tenders were entrusted to Karnataka Power Corporation. The Administrative approval to the modified estimate costing Rs.5000 lakhs prepared as per the suggestions of Karnataka Power Corporation is to be accorded. The project is deferred at present till the decision of Cauvery tribunal.

TABLE I

Name of the Project	BADANAVALU LIS
Estimated Cost	Rs. 5000.00 Lakhs
a) Budget grant for 2005-06	-
b) Actual expenditure during 2005-06	Rs. 5.19 Lakhs
c) Reasons for excess or shortfall	-
d) Budget grant for 2006-07.	Rs. 800.00 Lakhs
e) Expenditure during 2006-07	Rs. 0.38 Lakhs
f) Budget grant for 2007-08	Rs. 500.00 Lakhs
g) Irrigation Potential created during 2006-07.	-

TABLE II
DETAILS OF IRRIGATION POTENTIAL
BADANAVALU LIFT IRRIGATION SCHEME

Sl. No	Name of the District	On full development (in Ha.)	Created during 2006-07	Potential created during 2006-07	Programme during 2007-08.
1	Mysore	3664	-	-	-

TABLE III
FINANCIAL ESTIMATE
Name of the Project: BADANAVALU LIFT IRRIGATION SCHEME

Sl. No	Classification	Actual 2005-06	Revised estimate for 2006-07	Budget Grant for 2007-08
A	ACTIVITY CLASSIFICATION			
	a) Badanavalu LIS	5.19	0.37	500.00
	b) Roads	-	-	-
	c) Buildings	-	-	-
	d) Other Charges	-	-	-
	Total A	5.19	0.37	500.00
B	OBJECTIVE CLASSIFICATION			
	a) Salaries	-	-	-
	b) Major/Minor Works	-	-	-
	c) Machinery and Equipment	-	-	-
	d) Suspense Debit	-	-	-
	e) Other Charges	-	-	-
	Total B	0.00	0.00	0.00
C	DEDUCT RECOVERIES			
	a) Suspense Credit	-	-	-
	b) D.R.C.A	-	-	-
	Total	-	-	-
	Total (B + C)	0.00	0.00	0.00
	Total (A + B - C)	5.19	0.37	500.00

TABLE IV
WORK LOAD SUMMARY
Name of the project: BADANAVALU LIFT IRRIGATION SCHEME

Sl. No.	Activity	Total Work Load	Unit	Achievement during 2005-06	Achievement for 2006-07	Programme for 2007-08
1	Intake Well	1	Nos.	-	-	1
2	Rising Main	9.7	Km	-	-	2
3	Pumps	-	Nos.	-	-	-

**ZONES UNDER WATER RESOURCES
DEPARTMENT**

E1. TUNGABHADRA LEFT BANK CANAL (MODERNIZATION)

Brief description of the project:

This Canal takes off from left side of the Tungabhadra dam runs for a length of 141 miles (227 Kms) in Koppal and Raichur Districts. The main object of this canal is for supply of drinking water to the villagers of Koppal and Raichur Districts, 6.05 lakhs acres/2.44 lakhs Hectares is being irrigated by this canal. This canal in addition supplies water to 4 Mini Hydel projects of capacity around 70 to 72 MW.

The TLBC is 226 Km long and it is one of very old canals in the state. In order to avoid breaches & bongsas in the future and in order to supply assured water to the farmers, the modernisation to TLBC is very much essential. The modernisation consists of inner strengthening works, bed treatment works, improvements to CDs, lining nala etc.,

Cost of the project:

The original estimated cost of the project is Rs. 17.44 crores and the revised estimated cost of the project is Rs. 3003.00 crores.

Budget grant and expenditure during 2005-06:

Budget Provision for the year 2005-06 is Rs. 1000.00 lakhs. Expenditure during the year 2005-06 was Rs. 814.22 lakhs.

Budget grant and expenditure during 2006-07:

During 2006-07 a grant of Rs. 1000.23 Lakhs has been allocated, out of which an expenditure of Rs. 345.22 Lakhs has been incurred up to end of March 2007 with no creation of irrigation potential.

Budget grant the year 2007-08:

The financial target for the year 2007-08 is Rs. 1000.00 Crores.

TABLE I

Name of the Project	TBLBC Modernization
Estimated Cost	Rs. 30300.00 Lakhs
a) Budget grant for 2005-06	Rs. 1000.00 Lakhs
For modernization	Rs. 3080.53 Lakhs
b) Actual expenditure during 2005-06	Rs. 5.19 Lakhs
For modernization	Rs. 3156.20 Lakhs
c) Reasons for excess or shortfall	-
d) Budget grant for 2006-07.	Rs. 800.00 Lakhs
For modernization	Rs. 4080.00 Lakhs
e) Expenditure during 2006-07	Rs. 0.38 Lakhs
For modernization	Rs. 4673.53 Lakhs
f) Budget grant for 2007-08	Rs. 2500.00 Lakhs
g) Irrigation Potential created during 2006-07.	-

**TABLE-II
DETAILS OF IRRIGATION POTENTIAL**

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created upto end of 3/2006
1.	Koppal and Raichur (Including LB-HLC)	2,35,382	2,45,616

TABLE-III

FINANCE ESTIMATE
NAME OF THE PROJECT: TBLBC (Rs. In Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised Estimate 2006-07	Expenditure 2006-07
1	2	3	4	5
A)	ACTIVITY OF CLASSIFICATION			
	a) Reservoir	--	--	--
	b) Dam & Appurtenant works	--	--	--
	c) Canal and branches	683.85	700.00	321.89
	d) Distributaries	122.71	290.00	--
	e) Roads	--	-	--
	f) Building	--	-	--
	g) Other charges	7.66	10.00	23.33
	Total A	814.22	1000.00	345.22
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	-	-	
	b) Major & Minor works	851.78	990.00	325.74
	c) Machinery & Equipment	13.22	10.00	19.48
	d) Suspense debit	--	0.01	--
	e) Other charges	--	--	--
	Total B	865.00	1000.01	345.22
C)	Deduct Recoveries:			
	a) Suspense Credit	8.39	0.01	--
	b) D.R.C.A.	42.39	--	--
	Total C (-)	50.78	0.01	--
	Total	763.44	999.99	345.22

TABLE-IV
Name of Project: TBP-LEFT BANK

Sl. No	Activities	Total work load	Unit	Work completed to end of 03/ 2006	Program me for 2006-07	Achievements during 2006-07	Programme for 2006-07
1	2	3	4	5	6	7	8
1.	Improvements to Main canal and C.D. works, stablisation of water supply for the existing atchkat and providing water for 4 power generation Mini Hydel Scheme.	Work is complet ed	Cum and Sqm	I.S. works in a total length of 70 Km (both sides) has been comple ted & routine maintenanc e works taken up. Repairs to slip and CD works taken up	Project is completed.	I.S. works in a total length of 70 Km (both sides) has been compl eted and routine maintenance works taken up. Repairs to slip and CD works taken up.	Improveme nt works on TLBC and all distributar ies are to taken up

E2. TUNGABHADRA RIGHT BANK CANAL

Brief description of the project:

The project is contemplated for creation of total irrigation potential to an extent of 80,908 Ha. in Bellary District. The area actually available for irrigation as per recent survey is only 74468 Ha. And balance area of 6440 Ha. being at an elevated level is not suitable for creation of potential. So far potential created is 72443 Ha.

The Project envisages construction of 16 distributaries to irrigate an area of 80908 Ha and construction of an aqueduct across Hagari through which the distributory No: 16-A crosses and two more aqueducts viz., Beeranahalli and Upparahalla.

Cost of the project:

The original estimated cost of the project is Rs. 300.00 lakhs. The revised estimated cost is Rs. 2600.00 lakhs sanctioned by the Government vide G.O. No: PWD 185 MTH 81 dt: 17.6.1989. The Government vide letter. No: G.O. No. ID 40 MTP 98, dt: 27.2.1999 has instructed to resubmit the estimate considering the expenditure incurred upto 03/1999. The re revised estimated cost of the project is Rs. 11180.00 lakhs.

Stage of Work:

The construction of Beeranahalla, Askadall, Thirumalahalla, Joladarshihalla, and C.D. works are in progress and canal alignment upto 31.50 KM is been approved and works of distributory system is completed. Works of 16-A Distributory is completed upto 30.60 KM.

- a) Budget Grant for 2005-2006 : Rs. 59.67 Lakhs
- b) Expenditure during 2005-2006 : Rs. 58.62 Lakhs
- c) Reasons for excess or shortfalls : The excess over grants has been incorporated in F.R.A. and same has been approved from F.Dept.
- a) Budget Grant for 2006-07 : Rs. 62.10 Lakhs (Grants allotted for Estt. Charges only)
- b) 2006-07 Expenditure upto end of 03/2007 : Rs. 54.96 Lakhs
- a) Required Budget Grant for 2007-2008 : Rs. 89.25 Lakhs
- b) Irrigation Potential target during 2006-2007 : Nil

**TABLE-II
DETAILS OF IRRIGATION POTENTIAL**

Sl. No.	Name of District	On full development (In Ha.)	Created upto end of 3/2006	Programme for 2006-07	Progress during 2006-07
1.	Bellary	74468	72443	-	-

**TABLE-III
FINANCIAL ESTIMATE**

Rs in lakhs				
Sl. No.	Classification	Actual 2005-06	Budget estimate 2006-07	Expenditure 2006-07
1	2	3	4	5
A)	ACTIVITY CLASSIFICATION			
	a) Distributories			
	b) Roads			
	c) Buildings			
	d) Other Charges			
	Total A			
B)	OBJECTIVE CLASSIFICATION:	58.62	65.67	54.96
	a) Salaries			
	b) Major Minor Works			
	c) Machinery & Equipment			
	d) Suspense debit			
	e) Other charges			
	Total B			
C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-	-	-
	b) D.R.C.A.	-	-	-
	Total C	-	-	-
	Total (A+B-C)	58.62	65.67	54.96

**TABLE-IV
WORK LOAD SUMMARY**

Sl. No.	Activity	Total work Load	Unit of work	Work completed to end of March 2006	Program me for 2006-07	Achieve ment during 2006-07	Program of work for 2007-08
1	2	3	4	5	6	7	8
1.	Construction of 16 - A Distry.	Construction of Beeranahalla aqueduct and excavation of canal upto KM 43.	Cum and Sqm	Hagari Aqueduct work & excavation of canal upto KM 30.60 is completed	--	--	For payment of Quality control Division salaries

E3. HIREHALLA PROJECT

Brief description of the Project:

Hirehalla Project is constructed across Hirehalla and Veerapur nala. The length of earthen bund is 3.60 KM. The spillway is 89.50 mtr having 6 Nos. of radial crest gates of size 12m x 8m. The main purpose of this project is to arrest the silt coming into the Tunghabhadra Reservoir and also to provide irrigation facilities to the drought prone areas of Koppal taluk. There are two canals i.e., on Left Bank & Right Bank having an ayacut of 5000 Ha and 3330 Ha respectively totalling to 8330 ha.

Cost of the Project:

The original estimated cost is Rs. 635.00 lakhs (1973-74) and revised estimated cost of the project is Rs. 18800.00 Lakhs.

Budget grant and expenditure during 2005-06:

Budget Provision for the year 2005-06 is Rs. 427.41 lakhs. Expenditure during the year 2005-06 was Rs. 995.19 lakhs.

Budget grant and expenditure during 2006-07:

During 2006-07 a grant of Rs. 1922.53 Lakhs has been allocated, out of which an expenditure of Rs. 1922.90 Lakhs has been incurred up to end of March 2007 and irrigation potential created during the year is 3352 Ha. Cummulative expenditure incurred upto March 2007 is Rs. 20008.22 lakhs with a total irrigation potential creation of 6908 Ha.

Budget grant the year 2007-08:

The financial target for the year 2007-08 is Rs. 38.86 Crores.

TABLE I

Name of the Project	HIREHALLA PROJECT
Estimated Cost	Rs. 22700.00 Lakhs
a) Budget grant for 2005-06	Rs. 427.41 Lakhs
b) Actual expenditure during 2005-06	Rs. 995.19 Lakhs
c) Budget grant for 2006-07.	Rs. 1922.53 Lakhs
d) Expenditure during 2006-07	Rs. 1727.77 Lakhs
e) Budget grant for 2007-08	Rs. 3886.13 Lakhs
f) Irrigation Potential created during 2006-07.	3354 Ha.

TABLE -2

IRRIGATION POTENTIAL CREATED
Name of the Project: Hirehalla Project

(Potential in Ha.)

Sl. No.	Name of the District	On full development	Potential created upto 03/2006	Potential created during 2006-07	Created upto 03/07
1	KOPPAL	8330	3556	3354	6908

TABLE - III
FINANCIAL ESTIMATE
Project: HIREHALLA PROJECT

Rs in Lakhs

Sl. No.	Classification	Actual 2005-06	Budget Estimate 2006-07	Expenditure 2006-07
1	2	3	4	5
A.	ACTIVITY OF CLASSIFICATION			
a)	Reservoir	393.80	350.00	662.50
b)	Dam and Appurtenant works	163.40	200.00	229.20
c)	Canal and branches	169.60	700.00	610.58
d)	Distributaries	216.86	500.00	240.52
e)	Roads	16.95	50.00	2.33
f)	Buildings	8.58	50.00	3.18
g)	Other Charges	26.37	72.53	(-) 20.60
	TOTAL "A"	995.56	1922.53	1727.77
B)	OBJECTIVE CLASSIFICATION			
a)	Salaries	25.13	24.53	21.68
b)	Major and Minor works	969.19	1850.00	1740.52
c)	Machinery and Equipment	2.65	48.00	8.81
d)	Suspense debit	--	100.00	--
e)	Other charges	--	--	--
	TOTAL "B"	996.97	1922.53	1771.01
C)	DEDUCT OF RECOVERIES			
a)	Suspense credits	1.41	--	43.24
b)	DRCA	--	--	--
	TOTAL "C"	1.41	--	43.24
	GRAND TOTAL (B +C)	995.56	1922.53	1727.77

TABLE -4
WORK LOAD SUMMARY
NAME OF THE PROJECT: - HIREHALLA PROJECT

Sl. No	Activities	Total work load	Unit of work	Work completed to end of 03/06	Programme for 2006-07	Achiv ement upto 03/07	2007-08 programme
1.	Dam and allied works (embankment & spillway)	Dam and allied works (embankment & spillway)	Cum	Earthen dam completed	--	--	NIL
2.	Reservoir	Land acquisition	Acres	4513 acres	474	276	NIL
	a) Land acquisition						
	b) R&R	Rehabilitation and resettlement 5Nos	Nos	1	5 (P)	---	R&R of Veerapur, Muttal, Shirur & Muddapur village.
3.	Canal and branches	49.60 Km main canals LBC & RBC	Km	46.90 Km LBC and RBC completed	2.70	2.70	---
4.	Distributarires and others	8330 Ha	Ha	4180	4150	3454	---

E4. MASKINALA PROJECT

Brief description of the project:

Maskinala project is a medium irrigation project constructed near Maraladinni village in Lingasugur taluk of Raichur district. The project envisages construction of earthen embankment of 813.8 M length and central spillway of 57 M length with a discharge capacity of 2590 cumecs through 4 nos of 12M x 8.5 M radial gates. The gross storage of the reservoir is 0.5 TMC & live storage capacity is 0.4 TMC. Utilisation of water is 0.78 TMC.

There are two canals, left bank canal which runs for a length of 10 Km to provide irrigation facilities to 1940 Ha (4793 Acres) and right bank canal which runs for a length of 11.50Km to provide irrigation facilities to 1061 Ha (2623 Acres) of land. In total it irrigates 3001 Ha (7416 Acres) of land in Lingasugur taluk. No housing property of any village will be submerged under this project, hence rehabilitation does not arise.

Cost of the Project:

The Karnataka Government has accorded administrative approval to this project costing Rs. 311.00 lakhs. The present cost of the project is Rs. 4835.00 lakhs.

TABLE I

Name of the Project	MASKINALA PROJECT
Estimated Cost	Rs. 4835.00 Lakhs
a) Budget grant for 2005-06	Rs. 200.00 Lakhs
b) Actual expenditure during 2005-06	Rs. 179.40 Lakhs
c) Budget grant for 2006-07.	Rs. 199.96 Lakhs
d) Expenditure during 2006-07	Rs. 239.34 Lakhs
e) Budget grant for 2007-08	Rs. 216.26 Lakhs
f) Irrigation Potential created during 2006-07.	-

TABLE-II

DETAILS OF IRRIGATION POTENTIAL

Name of Project: Maskinala Project.

(Potential in Ha.)

Sl. No.	Name of District	On full development	Created upto end of 3/2006	Potential created during 2006-07
1.	Lingasugur Taluk, Raichur District.	3001	2500	-

TABLE-IV

WORKLOAD SUMMARY

Sl. No	Activities	Total work load	Unit of work	Work completed to end of March 2006	Programme for 2006-07	2007-08 Programme of Works.

1.	Construction of central concrete spillway with 4 radial gates, Const of canals & distributaries, creation of irrigation potential of 3001 Ha.	Construction of earthen embankment. Central concrete spillway with 4 radial gates, diaphragm wall, canals and distributaries. Creation of irrigation potential of 3001 Ha.	Cum & Sq mtrs	Major portion of earthen Dam & allied works and spillway is completed. All works of LBC & RBC are completed. Lining works of distributaries are under progress.	Lining of Distributaries	Land acquisition cases other miscellaneous
----	---	--	---------------	---	--------------------------	--

TABLE - III
FINANCE ESTIMATE
Name of Project: Maskinala Project

(Rs. In Lakhs)

Sl. No	Classification	Actual 2005-06	Budget Estimate 2006-07	Expenditure 2006-07
1	2	3	4	
A)	ACTIVITY OF CLASSIFICATION			
	a) Reservoir	--	--	--
	b) Dam & Appurtenant works	69.82	32.00	35.54
	c) Canal and branches	44.76	76.88	78.10
	d) Distributaries	34.42	50.00	97.22
	e) Roads	3.62	0.01	3.46
	f) Water course	--	21.00	1.77
	g) Building	3.04	0.01	2.13
	h) Other charges	23.74	20.08	21.12
	Total A	179.40	199.98	239.34
B)	OBJECTIVE CLASSIFICATION:			
	f) Salaries	20.80	19.98	19.41
	g) Major & Minor works	155.66	180.00	218.57
	h) Machinery & Equipment	2.94	--	1.36
	i) Suspense debit	--	--	--
	j) Other charges	--	--	--
	Total B	179.40	199.98	239.34
C)	Deduct Recoveries:			
	c) Suspense Credit	--	--	--
	d) D.R.C.A.	--	--	--
	C (-)	--	--	
	Total 317 (B+C)	179.40	199.98	239.34

E5. KARANJA PROJECT

Brief description of the project:

The project envisages construction of storage reservoir across Karanja River near Byalhalli village of Bhalki Taluka in Bidar District. The gross storage capacity of the reservoir is 7.691 TMC. An irrigation potential of 35,614 Ha in Bhalki and Bidar taluks will be created under this project.

Cost of the Project:

The revised estimate for Rs. 2258.17 Crores got up as per 1993-94 DSR is administratively approved by Govt. The estimated cost of the project as per CSR 2001-02 is Rs. 470.00 Crores and the present revised cost of the project is Rs.482.47 Crores.

Stage of the Project as on March 2007:

DAM: - Works of earthen dam is completed. Spillway works including road, Bridge, erection of Radial Crest Gates, Gantry Crane etc. are also completed.

REHABILITATION CENTRES:

Out of 8 Rehabilitation centres, 7 Rehabilitation centres have been completed. 7 Rehabilitation Centres are handed over to Zilla Panchayat. Works of remaining 1 Rehabilitation Centre is under progress.

CANALS

Total length of left bank canal is 31 Kms and all the works are completed. Total length of Right Bank Canal is 131 Kms, out of which works up to 124 kms. are completed and remaining 7 kms. works are under progress.

Out of contemplated achakat of 35614 Ha., cumulative potential created up to end of March 2007 is 27594 Ha.

FIC:- Out of contemplated achakat of 35614 Ha. FIC is provided for 18591 Ha. upto end of March 2007. It is programmed for providing FIC to balance area 10636 ha. during 2007-08.

TABLE-I

(a)	Budget grant for 2005-06	Rs. 4884.00 Lakhs.
(b)	Actual expenditure during 2005-06.	Rs. 2295.00 Lakhs.
(c)	Reasons for excess or shortfall.	Rs.2589.00 Lakhs(Short)
(d)	Budget grant for 2006-07.	Rs. 4500.00 Lakhs.
(e)	Expenditure during 2006-07.	Rs.2085.95 Lakhs.
(f)	Budget requirement for 2007-08	Rs. 157.00 Lakhs.
(g)	Irrigation potential created during 2006-07.	666 Hectares.

TABLE-II

**DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: KARANJA PROJECT**

(Potential in Ha.)

Sl. No	Name of district.	On full development	Created during 2005-06	Potential created during 2006-07.	Programme during 2007-08.
1)	Bidar	29227	3938	666	

TABLE-III

**FINANCIAL ESTIMATE
NAME OF THE PROJECT: KARANJA PROJECT**

(Rs.in Lakhs)

Sl. No.	Classification	Actual 2005-06	Revised estimate 2006-07	Actual 2005-06
(A)	Activity classification			
	a) Distributaries.	577.33	2822.00	257.65
	b) Roads.	-	-	-
	c) Buildings.	18.14	20.00	28.26
	d) Other charges (LAQ)	-	940.00	-
	Total A	595.47	3782.00	285.91
B)	Objective Classification			
	a) Salaries.	611.93	598.00	689.19
	b) Major Minor works.	-	-	-
	c) Machinery and Equipment.	34.42	60.00	29.90
	d) Suspense debit.	83.25	-	25.12
	e) Other charges.	1041.50	-	1081.73
	Total	1770.93	658.00	1825.94
C)	Deduct Recoveries			
	a) Suspense credit.	37.96	-	3.66

	b) DRCA	33.56	-	22.94
	Total.	(-) 71.52	-	25.90
	Total (B+C)	2294.88	4440.00	2085.95

**TABLE-IV
WORK LOAD SUMMARY**

Sl. No.	Activity	Total work load	Unit of work	Work completed upto 3/06	2006-07		Programme for 07-08.
					Programme	Achievement	
1)	Reservoir						
i)	Submergence	5782.56	Nos	5764.74	-	-	-
ii)	Resettlement	10 villages	Nos	-	-	-	-
		2 villages	Nos	8 Centres	Reh. work of Ranjol Kheni Centre.	Ranjol Kheni Reh. Centre work is under progress.	Ranjol - Kheni Reh. Centre works are under progress.
iii)	High level Bridge in submergence	3 Bridges	Nos	Bagdal, Mrkal & Ranjol Bridges completed	Bagdal Bridge approach	Bagdal Bridge approaches works are completed and final bill is yet to be settled	Bagdal bridge approaches works are completed and final bill is yet to be settled.
2)	Dam & Appt. works.	-	-	Completed during 90-91	Maintenance works	Periodical maintenance is being done	The work of construction of RCC parapet over pipe foundation is completed & asphaltting of roadway over the earthen flank of the dam is under progress and Gardening on D/s of Reservoir is also under progress.
3)	Foreshore lift Irrigation	Head works	-	Head works completed	Giving power supply.	Power supply is given on trial run upto Km. No.5	Power supply connection is given to 2 pumps & water is released for irrigation upto 5 Km. for Rabi 2006-07. Remodeling of raising main work is in tender process.
4)	Left Bank Canal	31 Kms	Kms.	0 to 31 km. completed	-	-	-
5)	Right Bank Canal	131 Kms	Km.	0 to 114 km. completed	115 Kms. to 131 kms.	Km.118, 119, 122, 123, 124, 125, 128 to 131 kms. are completed.	Km.118, 119, 122,123,124 km.128 to 131 are completed.

E7. BHADRA MODERNISATION

Brief description on the project:

Bhadra Dam is constructed across Bhadra River near Lakkavalli (village), Tarikere (Taluk), and Chikamagalur (District). This project is a multi purpose project to provide irrigation facility to an extent of 1, 05,570 hectares and also for generating power of 39.20 MW capacity. The details of canals coming under this project are as follows.

Sl. No.	Canal	Length in Kms	Atchat in Ha.
1.	Bhadra Right Bank Canal	103.00	17274
2.	Bhadra Left Bank Canal	77.00	8300
3.	Anveri Branch Canal	67.00	6319
4.	Malebennur Branch Canal	48.00	23774
5.	Davanagere Branch Canal	90.00	45623
6.	Harihara Branch Canal	20.40	-
7.	Devarabelakere Pickup Project	59.20	4280
	Total:	464.60	1,05,570

Allocation of water for Bhadra reservoir project is 61.70 TMC as per KWDT. Planned irrigation potential is 1, 05,570 Ha. and the same has been achieved in 1989. The revised project cost of the project was 33.53 Crores and cost of Re-revised estimated cost is Rs. 471.40 Crores and is approved under letter No. 4184 dated 14.03.2001.

Stage of work:

Modernisation of canals such as canal lining, strengthening, and reconstruction improvement of structures are taken up for execution and works are during June and December Closure period and the same are under progress

The Expenditure incurred under the Project up to 3/2006 is Rs. 19330.12 Lakhs. The Major works under the Bhadra Reservoir project are completed. The water is allowed through the both canals, since 1965 and irrigation facility to the total extent of 1,05,570 Ha. is already achieved.

The budget grant allocated for the project during the year 2006-07 is Rs. 4568.22 Lakhs. Expenditure incurred upto end of March 2007 is Rs. 6465.23 Lakhs.

Cost and expenditure:

The estimated cost of the Bhadra Canal Modernisation is Rs. 471.40 Crores, and this has been administratively approved by the Government under the letter No. ID 115 MMB 98 Bangalore dated 02.02.1999. This includes the removal of silt, repairs to aqueduct relieving weirs and lining of canals works.

Further an estimate has been prepared amounting to Rs.365.50 crores for the modernization of Bhadra Canals and submitted to the Government vide this office letter No.1206/2003-04 dated 12.08.2003 for obtaining the administrative approval and a proposal is also been submitted to the Government on 10.11.2003. The estimate was re-casted as per the SR of 2004-05 amounting to Rs.471.40 crores and submitted to the Government and KNNL. The administrative approval for the above estimate is awaited. Government has allotted a grant of Rs.10.00 crores of to take up the modernization works for the year 2005-06 and the works of amount Rs.15.48 crores have been approved. Against the grants of Rs.1000.00 lakhs the expenditure incurred upto the March-2006 is Rs. 338.51 lakhs.

The Expenditure incurred under the Project up to 3/2006 is Rs. 19330.12 Lakhs. The Major works under the Bhadra Reservoir project are completed. The water is allowed through the both canals, since 1965 and Irrigation facility to the total extent of 1,05,570 Ha. is already achieved.

The budget grant allocated for the project during the year 2006-07 is Rs. 4568.22 Lakhs. Expenditure incurred upto end of March 2007 is Rs. 6465.23 Lakhs.

- | | |
|--|--|
| a) Budget grant for 2005-06 (31-3-2006) | Rs.1160.00 Lakhs |
| b) Actual Expenditure during 2005-06 | Rs.1233.13 Lakhs |
| c) Reasons for excess or shortfall | Necessary works taken up |
| d) Budget grant during 2006-07 | Rs.4515.00 Lakhs |
| e) Expenditure anticipated during 2006-07 | Rs.6465.23 Lakhs |
| f) Budget requirement for 2007-08 | Rs.13205.00 Lakhs |
| g) Irrigation potential target during 2006-07: | Modernisation of canal system is taken up.
The potential is already created. 1,05,570 Ha, |

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: BHADRA RESERVOIR PROJECT

Sl. No.	Name of District	On full development (in Ha)	Created during 2005-06	Potential created during 2006-07	Achievement since 03/2007	Programme during 2007-08
1	2	3	4	5	6	7
1	Chickamagalore,	105570	Full potential created			Modernisation of canal system
2	Shimoga,					
3	Davanagere					

TABLE - III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: Bhadra Reservoir Project

(Rs. In Lakhs)

Sl No	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
1	2	3	4	5
A)	ACTIVITY CLASSIFICATION			
a)	Dam & allied works	1233.13	6527.91	23963.00
b)	Canals & Distributaries			
c)	Roads			
d)	Buildings			
e)	Other Charges			
	Total	1233.13	6527.91	23963.00

TABLE - IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: BHADRA MODERNISATION

Sl No	Activity	Total work Load	Unit	Achievement during 2005-06	Achievement during 2006-07	Programme for 2007-08	
1	2	3	4	5	6	7	
	Modernisation of canal system comprises of improvements to head sluice structures, inlet outlet escapes head regulators bridges aqueducts and tunnel and also to provide canal lining	A. Lining of BRRBC including ABC, MBC, DBC, HBC and D B Kere Pick up					
		a) Main Canal 209.60	Km	3.55	6.45	199.60	
		b) Disty/Minors 1034.44	Km	12.60	22.75	999.09	
			Km	1.55	3.00	40.30	
		B. Lining of BRLBC					
		a) Main Canal 44.85	Km	2.10	8.60	143.28	
		b) Disty/ Minors 153.98					
		C. Strengthening/ Reconstruction of Structures Coming under RBC & LBC including Distry/Minors					
		a) Measuring Device 157	Nos.	18	12	127	
		b) Bifurcation of Tanks 11	Nos	-	4	7	
		c) Head Sluices 153	Nos	35	110	8	
		d) Relieving Weirs 153	Nos	25	35	93	
		e) Aqueducts					
		(i) Main Canal- 13	Nos	-	5	8	
		(ii) Distry 21	Nos	8	7	6	
	f) Road bridge/CTC 344	Nos	45	82	217		
	g) Sopanam/ Cattle Ramps 360						
	h) Inlets 197	Nos	32	18	147		
	i) Pipe outlets 1943	Nos	186	623	1134		
	j) Drops 955 k)	Nos	145	457	353		
	Others 160	Nos	12	26	122		
	l) Tunnel (4.00 Km) 1	No.	-	(0.20Km)	(3.80 Km)		
	m) Dam & allied works 19	Nos	6	6	7		

ES. HODIRAYANAHALLA DIVERSION SCHEME

Brief description on the project:

Jambadahalla Reservoir is located near Duglapur village, Tarikere Taluk of Chikamagalore district. This project was contemplated to provide irrigation to 2428 Ha. But due to less flow only 1133 Ha. land under right bank is being irrigated. For remaining 1295 Ha, a tank has been planned to irrigate by diverting supplement water from Hodirayanahalla, an adjacent valley to Jambadahalla. Addition to this 243 Ha. of land will also be benefited by this scheme. About 16.07 Ha. of land comes under the jurisdiction of forest land. Clearance has not been obtained by Central Forest & Environment Ministry. Hence project has not yet commenced.

Cost of the project:

Hodirayanahalla diversion Scheme has got administrative approval by the Government dated: 10.08.1987 for Rs.248.00 lakhs.

Stage of work as on March 2007:

The alternative alignment survey has been conducted and modified such that it comes under jurisdiction of state forest department and requisition is submitted for approval by the Forest Department for required 12.98 Ha. of forest land. Hence the project will be commenced after getting clearance from forest department.

- a) Budget grant for 2005-06 : Rs. 180.00 Lakhs
- b) Actual Expenditure during 2005-06 : Rs. 1.24 Lakhs
- c) Reasons for excess or shortfall : The work heldup for release of forest land
- d) Budget grant for 2006-07 : Rs. 1500.00 Lakhs
- e) Expenditure during 2006-07 : Rs. 135.86 Lakhs
- f) Budget requirement for 2007-08 : Rs. 1761.00 Lakhs
- g) Irrigation potential created during 2006-07 : Nil

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: HODIRAYANAHALLA DIVERSION SCHEME

Sl. No.	Name of District	On full development (in Ha)	Created during 2005-06	Potential created during 2006-07
1	2	3	4	5
	Chickmagalore	1538 Ha	-	-

TABLE - III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: HODIRAYANAHALLA DIVERSION SCHEME
(Rs. In Lakhs)

Sl No	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
1	2	3	4	5
	ACTIVITY CLASSIFICATION:			
	a) Distributaries	1.24	135.86	100.00
	b) Roads			
	c) Buildings			
	d) Other Charges			

	Total	1.24	135.86	100.00
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TABLE - IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: HODIRAYANAHALLA DIVERSION SCHEME

Sl No	Activity	Total work Load	Unit	Achievement during 2005-06	Achievement during 2006-07	Programme for 2007-08
1	2	3	4	5	6	7
	Construction of weir			-	-	
	Construction of					
	1) diversion canal	5.01	km			5.01 km
	2) RBC of	3.00	km			3.00 km
	Jambadahalla project	3.63	km			3.63 km
	3) LBC of					
	Jambadahalla project					

E9. THIMMAPURA LIFT IRRIGATION SCHEME

Brief description of the project:

Thimmapura lift irrigation scheme envisages providing irrigation facility to an extent of 4176 Acres. (1691 Ha.) of land coming under the villages of Kanavelli, Bharadi, Kurugunda and Basapura of Haveri taluk, which includes 159.00 Acres of suffering atchkat under Kannavalli tank.

Cost of the project:

The MIPC Board has cleared the estimate of Rs.2063.00 Lakhs. The revised estimated cost of Rs.2313.00 Lakhs has already been submitted to the Government for administrative approval.

- | | |
|--|------------------------------------|
| a) Budget grant for 2005-06 | : Rs.400.00 Lakhs |
| b) Actual Expenditure during 2005-06 | : Rs. 8.03 Lakhs |
| c) Reasons for excess or shortfall | : Estimate is yet to be sanctioned |
| d) Budget grant for 2006-07 | : Rs. 200.00 Lakhs |
| e) Expenditure during 2006-07 | : Nil |
| f) Budget requirement for 2007-08 | : Rs.115.00 Lakhs |
| g) Irrigation potential created during 2006-07 | : Nil |

TABLE - II
DETAILS OF IRRIGATION POTENTIAL
NAME OF THE PROJECT: THIMMAPURA LIFT IRRIGATION SCHEME

(Potential in Ha)

Sl. No.	Name of District	On full development	Created during 2005-06	Potential created during 2006-07
1	2	3	4	5
	Haveri	598	-	-

TABLE - III
FINANCIAL ESTIMATE
NAME OF THE PROJECT: THIMMAPURA LIFT IRRIGATION SCHEME
(Rs. In Lakhs)

Sl No	Classification	Actual 2005-06	Revised estimate 2006-07	Budget grant for 2007-08
1	2	3	4	5
A)	ACTIVITY CLASSIFICATION:			
	a) Distributaries			
	b) Roads			
	c) Buildings			
	d) Other Charges			
	Total	8.03	2163.00	115.00

TABLE - IV
WORK LOAD SUMMARY
NAME OF THE PROJECT: THIMMAPURA LIFT IRRIGATION SCHEME

Sl No	Activity	Total work Load	Unit	Achievement during 2005-06	Achievement during 2006-07	Programme for 2007-08	
1	2	3	4	5	6	7	
	1. Jackwell	1	M	Work yet to be started		1	
	2. Pump house	1	NO.			1	
	3. Pumping Machinaries	4+1=5	HP			4+1=5	
	4. Raising main	2	Mm			2	
	5. DeliVary Chamber	2	M			2	
	6. Irrigation canal						
	LBC	3.72	km				3.72
	RBC	10.75	km			10.75	
	7. Headwork	1	No.			1	

E10. NEW SCHEMES

NEW SCHEMES IN ZONES OF WATER RESOURCES DEPARTMENT (UNDER MH 4701-80-800)

Name of the Project	Latest Cost	Cum. Expenditure upto 03/ 2006	Grant for 06-07	Expenditure during 06-07	Cum. Expenditure upto 03/2007	Irrigation Potential in Ha	Water required	Present Project
2	3	4	5	6	7	8	9	
SCHEMES OF IRRIGATION CENTRAL ZONE, MUNIRABAD.								
Kolur (D-13) LIS	74.00	31.45	-	37.12	68.57	Stabilization of 324 Ha of Kolor branch of D-13 of RBHLC	7 cusecs/ Dodda halla	Jack well main of com pumpho is to be d Pro
Kadlur LIS	135.00	54.82	50.00	58.50	113.40	Stabilization of 410 Ha of distributory of RBHLC	15 cusecs/ TB River	Jack well Raising n mt. to be pro
Kotevi LIS	67.00	41.07	25.00	9.00	50.07	Stabilization of 210 Ha of 7 TE-1 of Kote hall district of RBHLC	6.9 cusecs/ Hagri River	Jackwell main c pumps
Kullor (D-7) LIS	394.00	28.97	200.00	136.76	165.73	Stabilization of 1518 Ha of tail end of distry No. 7 of RBHLC	50.67 cusecs/ Kullor Nala	Intake we & 350 main are Electric under p
Hagari D/S (6) LIS	90.00	-	50.00	13.61	13.61	Stabilization of 1214 Ha of tail end of Hagari Aqueduct D/S of D- 16 A	30 cusecs/ Hagagri River	Jackwe pro
Tharaki LIS	58.00	0.07	75.00	50.31	50.38	Stabilization of 182 Ha Sub distributory 89/8/1&2 of TLBC	3.75 cusecs/ TB River	Jack we pro
Tharmerched	73.00	0.23	50.00	27.92	28.15	Stabilization of 479 Ha Sub distri. 89/7 of TLBC	10.85 cusecs/TB River	Jackwell, Raising Pump l under

Name of the Project	Latest Cost	Cum. Expenditure upto 03/ 2006	Grant for 06-07	Expenditure during 06-07	Cum. Expenditure upto 03/2007	Irrigation Potential in Ha	Water required	Present Pr
Chanagudda	495.00	-	300.00	-	-	Stabilization of 1376 Ha tail end.	33 cusecs/ TB River	Proposals to TAC for Prop NABARD & Pr submitte
a Bellary LIS	594.00	-	300.00	-	-	2541 Ha	30.46 cusecs/ TB River	Proposals to TAC fo
aganur LIS	242.50	-	50.00	-	-	Stabilization of 645 Ha tail end ayacut of Chaganur branch canal of RBHLC	15 cusecs Hagari River	Subn Govern Admin app
benchi LI eme	245.00	-	100.00	-	-	Stabilisation of 123 Ha of tail end of DP-36 of RBHLC	25 cusecs/ Devemmanahalla	Submitt for Adm app
rapur LIS	414.00		50.00	-	-	247	8.37 cusecs/ Hirehalla	Submitt for Adm app
tal LIS	317.00		50.00	-	-	335	6.35 cusecs/ Hirehalla	Submitt for Adm app
ur LIS	487.00		50.00	-	-	592	10.77 cusecs/ Hirehalla	Submitt for Adm app
al LIS	275.00		100.00	-	-	307	10.06 cusecs/ Hirehalla	Submitt for Adm app
MEMES OF UPPER TUNGA PROJECT ZONE, SHIMOGA.								
uhinabylyu	690.00	0.14	350.00	19.01	19.15	526	0.21 TMC	Tender fo is approv under
o rmapuri	3240.00	0.00	250.00	0.00	0.00	3170	-	Stabilisa Ha. and creation o

Name of the Project	Latest Cost	Cum. Expenditure upto 03/ 2006	Grant for 06-07	Expenditure during 06-07	Cum. Expenditure upto 03/2007	Irrigation Potential in Ha	Water required	Present Progress
Magamasuru Kerekerur Link Canal	780.00	0.00	250.00	0.00	0.00	-	1.538 TMC	The project for Rs. 780.00 is submitted
Link Canal to Kandara LBC Length 31.08 Km Area 1.13 Km	697.00	0.00	250.00	0.00	0.00	Stabilization of suffering atchkat of 8300 Ha.	-	Proposals submitted to Govt. for approval
Development of links under Ambiligola Reservoir	178.00	0.00	13/5.00	85.79	85.79	-	-	Work progress
Ren. Of Gondi, Kandara canal	4600.00	29.45	600.00	280.87	-	-	-	Tenders on pack
Magamasuru Kandara	835.00	84.71	905.00	84.47	169.18	-	-	Work complete
Development of links under Kandara Reservoir	272.00	-	284.00	211.25	211.25	-	-	Work progress
Improvements to sewerage in Kandara Magamasuru		-	5.00	-	-	-	-	Work complete
Magamasuru Kandara		7.86	106.00	104.77	112.63	-	-	Work progress
Ren. Of canals under Ambiligola	178.00	30.30	500.00	547.97	578.27	-	-	Work progress
Improvements to Kandara Magamasuru		79.55	250.00	-	79.55	-	-	Proposals submitted to TAC for approval
Ren. of Kandara canal Magamasuru, Hanagal Kandara			250.00	-	-	-	-	Work progress

ANNEXURE - 1

Budget Classification and Head of Account	Grant for 2006-2007			Expenditure upto end of 03/2007			Budget Estimate for 2007			
	Plan	Non Plan	Non Plan	Plan	Non Plan	Non Plan	Plan	Non Plan	Plan	Non Plan
Actual Classification	S.S.W.B.O Sub Division	Hydraulics Divsiion	Director Office & Other Division	S.S.W.B.O Sub Division	Hydraulics Divsiion	Director Office & Other Division	S.S.W.B.O Sub Division	Hydraulics Divsiion	Director Office & Other Division	Director Office & Other Division
01-80-004-1-01										
01-80-004-1-02										
2- Pay of Officers	5.55	23.31	55.24	5.43	7.48	43.02	9.37		34.95	11.11
3- Pay of Staff	4.28	21.06	74.83	4.07	28.56	90.29	8.70		41.11	16.11
4- Intriem relief	0.88	4.44	13.01	0.76	3.24	11.81	-		-	-
1- Dearness Allowance	7.13	35.5	104.06	7.2	27.68	102.71	2.89		12.17	4.11
4- Other Allowance	0.65	2.03	8.07	1.34	2.78	10.84	0.88		3.99	1.11
1- Travelling Expenses	0.29	1.11	2.10	0.13	0.72	2.40	0.30		1.15	-
1- General Expenses	0.23	1.4	1.82	0.12	0.43	3.41	0.24		1.46	-
9- Other Expenses	0.05	-	-	-	-	-	-		-	-
1- Building Expenses	0.14	0.10	-	0.02	0.04	-	0.10		-	-
5- Transport Expenses	0.16	0.16	4.80	-	0.03	2.34	0.17		0.17	-
Total	19.36	89.11	263.9	19.07	70.96	266.82	22.75		95.10	3.11

F. WATER RESOURCES DEVELOPMENT ORGANISATION

This Organisation is headed by Engineer-in-Chief and supported by 2 Chief Engineer, 6 Superintending Engineers, 12 Executive Engineers and 51 Assistant Executive Engineers with supporting staff are working in this Organisation.

ACTIVITIES: -

This Organisation is incharge of Planning and Investigation of all Major and Medium Irrigation Projects in the State and provides all the information to the Government in respect of Inter State Water Disputes like Cauvery, Krishna, Godavari and Mahadayi. This Organisation acts as a data Bank for all Hydrological details of Rivers and streams in the State by collecting and processing the raingauge and River gauge data in a systematic manner. In addition, the establishment matter of Irrigation zones regarding postings, transfer of staff and Regularisation of Daily Wages and Monthly Rated Staff as per Supreme Court order is also attended to by this Organisation.

PLANNING AND INVESTIGATION UNIT

This Unit is attending to the work of Technical Scrutiny of New Major and Medium Irrigation Projects, Replies to C.W.C. comments and arranging for clearance of projects and correspondence between State and Central Governments regarding Irrigation Projects.

During 2006-07, 19 Projects under Krishna Basin and 5 Projects under West flowing River basins, totally 24 Major and Medium Irrigation Projects are under different stages of investigation.

In addition to the above investigation works, the following works are also dealt with in this unit.

e- Governance in Water Resources Department:

Planning and Investigation Unit, Water Resources Development Organisation is monitoring the E-Governance Activities of entire Water Resources Department in Karnataka. Short-term courses to use Computers for the Technical and Non-Technical staff are being conducting regularly. This Unit manages the Website of Water Resources Department "<http://waterresources.kar.nic.in>".

Right to Information Act-2006:

Details of Water Resources Department including Nigams were hosted in the Website "<http://waterresources.kar.nic.in>".

Government Officials Committee:

The Government Officials Committee constituted under the Chairmanship of Engineer-in-Chief, W.R.D.O., vide G.O.No. WRD 205 WBP 03 Bangalore, dated 23.8.2004 to study West flowing Rivers has submitted its final report to the Government on 29-5-2006.

Experts Committee regarding "Soubhagya Sanjeevini" project:

The Government has constituted an Experts Committee vide G.O. ಜಸಂಇ 205 ವಿಜ್ಯಾಇ 03, Bangalore, dated: 17-11-2006 under the Chairmanship of Sri. K.C.Reddy, Advisor, Public Works & Energy Department, to Study in detail "Soubhagya Sanjeevini" project proposed by Sri. A.G.Koodgi, former MLC, and to submit feasibility report. The committee has planned to submit its interim report.

Experts Committee for diversion projects and regarding availability of water in various River basins:

To study the availability of water in various West Flowing River basins and also to conduct studies regarding the projects, an Expert Committee under the Chairmanship of Sri. K.C.Reddy, Consultant, Public Works & Energy Department has been reconstituted vide Government Order No. WRD 65 WBP 05 (P-1) Bangalore dated 16-12-06.

1. Upper Bhadra Committee:

A Committee of Technical & Environmental Experts has been constituted vide G.O. No. WRD 152 WBP 04 (P-1) Bangalore, dated 24-10-05 under the Chairmanship of Sri. K.C.Reddy, Advisor, PW & Energy to study the availability of water for Upper Bhadra Project and the environmental impact of the Project. The Committee has submitted its final report to the Government. Karnataka Neeravari Nigama Limited has taken up necessary steps for preparation of Detailed Project Report.

2. Irrigation Information System using GIS:

Water Resources Department, Government of Karnataka has earmarked grants of Rs.100 lakhs for the development of Irrigation Information System using GIS technology. The Department is looking forward for the integration of M.I.S. and G.I.S., which aims at preparation of Decision Support System (D.S.S.). In this regard Water Resources Development Organisation has identified three private consultants having vast experience in the field of technology and has entrusted projects namely Kanva Reservoir Project, Karanja Irrigation Project & Ghataprabha Irrigation Project for the development of Irrigation Information System. Water Resources Development Organisation has purchased necessary digital toposheet/maps.

3. Technical Experts Committee regarding sea erosion preventive works:

A committee of 16 members was constituted vide G.O. No. ಲೋಖ 80 ಪಿಎನ್‌ಪಿ 2001, dated: 18-7-2001 to analyse sea erosion preventive works of coastal region of the State and to provide design, guidance & suggestions in this regard.

4. Other activities:

This Unit corresponds with State & National level Organisations like Central Water Commission, Bureau of Indian Standards, Indian National Committee for Irrigation & Drainage, Water & Power Consultancy Services and Central Board of Irrigation and Power. This Unit attends to the Committee meetings conducted by these Organisations and provides information requested by them. This Unit provides information for attending the meetings of Subject Committee, Assurance Committee, Estimate Committee and Petition committee.

KRISHNA-GODAVARI UNIT

The Krishna Godavari Unit, under the jurisdiction of the Water Resources Development Organisation, is working on the following Inter-State Water Disputes:

1. Krishna Water Dispute
2. Mahadayi Diversion Scheme
3. Palar and Pennar Basin
4. Inter-linking of Rivers

Krishna Water Dispute:

- a) Karnataka filed an I.A.1/2001 in O.S.1/97 before the Supreme Court requesting to issue orders to stop the projects illegally taken up by Andhra Pradesh inspite of clear orders of Supreme Court. In view of submitting a request to the Central Government to constitute a Tribunal, this Interlocutory Application (I.A.) was withdrawn.

- b) Krishna Water Dispute Tribunal came into existence on 02.04.2004. On 19.05.2006, the Tribunal commenced the sitting and the same was not continued, as the Central Government did not provide the required Court Hall, Residences to the Tribunal Chairman and Members and other facilities in time.
- c) Tribunal sitting started on 09.01.2006, after the State filed a writ petition before the Supreme Court on 13.12.2005, to direct the Central Government to provide infrastructure for early commencement of the Tribunal work. By 09.01.2006, the State filed replies / rejoinders to the complaint / replies of other party-States along with other documents before the Tribunal.
- d) In the meantime, Karnataka filed one I.A., Maharashtra filed five I.A.s and Andhra Pradesh filed four I.A.s before the Tribunal. The Tribunal took up these I.A.s for arguments and orders have been issued on 09.06.2006. These orders are in favour of Karnataka State. Necessary documents required for arguing on behalf of the State have been filed in the Tribunal.

CAUVERY UNIT

Introduction:

The Cauvery unit of Water Resources Development Organisation, Bangalore deals with the matters concerning sharing of waters of the River Cauvery with the other riparian States viz., Tamil Nadu, Kerala and Union Territory of Pondicherry.

Organisation:

The Cauvery Unit was formed during 1990 with staff of W.R.D.O. It was functioning under the then Chief Engineer, W.R.D.O., Bangalore.

Activities:

✂ The Cauvery Water Disputes Tribunal was set up by the Ministry of Water Resources, Government of India, vide its order No. 21.1.90 WD dated; 2.6.1990 with Head quarters at New Delhi for adjudication of the Cauvery Water Dispute.

✂ To safe guard the interests of Karnataka and to substantiate the stand of the Government before the Supreme Court / Cauvery Water Disputes Tribunal, a team of Advocates along with the Advocate General of Karnataka is appointed and their services are being utilised.

✂ The current team of Advocates appointed by the Government to represent Cauvery Water Disputes is as under:

1. Advocate General of Karnataka	
2. Sri. F.S. Nariman	Senior Advocate
3. Sri. Anil B. Divan	Senior Advocate
4. Sri. S.S. Javali	Senior Advocate
5. Sri. Mohan V Katarki	Advocate
6. Sri. Shambhu Prasad Singh	Advocate
7. Sri. Sanjay R. Hegde	Advocate
8. Sri. S.C. Sharma	Advocate
9. Sri. Ranvir Singh	Advocate
10. Sri. Brijesh Kalappa	Advocate

- ✧ To get technical advise in Cauvery Water Disputes matter two Technical Advisors were appointed by the Government and their services are being continued.
- ✧ For effective participation and pleading the case of Karnataka before the Cauvery Water Dispute Tribunal, Cauvery Water Cell established in 1990 is now functioning in Karnataka Bhavan -III (Bheema), Hudco Place, Andrews Ganj, New Delhi. The Cauvery Water Disputes Tribunal held 8 Sittings during the year 2006-07 from April 2006 to February 2007.
- ✧ This unit renders technical assistance to the Advocates engaged by the state to appear before the Cauvery Water Dispute Tribunal and Supreme Court. This unit also prepares documents and other required materials for the Technical Committee, All Party Meetings and other related meetings.

In addition, this unit also carries out the following works.

- * Collection and analysing data regarding Reservoir levels, inflow, outflow, etc., of the Cauvery Basin Projects in the State.
- * Preparation of brief and draft replies in connection with the reactions from the public and other State Governments, which appear in press.
- * Collection and updating of materials that are relevant to the Cauvery water Disputes etc.,

This unit also renders its views on the matters connected with the West Flowing River Development, National & State Water Policy, National Water Board and NWDA studies regarding Water Balance whenever such files are referred to.

Physical and Financial Targets and Achievements

The significant developments before the Cauvery Water Dispute Tribunal and Cauvery River Authority concerning the Cauvery Water Dispute during the year 2006-07 are as follows;

Before the Cauvery Water Dispute Tribunal

The final arguments and counter arguments before the Tribunal regarding all issues have been completed by all the party States. The Cauvery Water Disputes Tribunal announced its final verdict along with report on 05.02.2007. As per the judgement the allocation of 740 tmc (available in Cauvery basin at 50% dependability) to the party States is as under:

1.	Kerala	30 tmc
2.	Karnataka	270 tmc
3.	Tamil Nadu	419 tmc
4.	Union Territory of Pondicherry	7 tmc
5.	Environmental protection	10 tmc
6.	Inevitable escapages into sea	4 tmc
Total		740 tmc

Further it is ordered in the judgement that Karnataka should ensure 192 tmc at Biligundlu (gauging station maintained by CWC) as under:

Month	TMC	Month	TMC
June	10	December	8
July	34	January	3

August	50	February	2.5
September	40	March	2.5
October	22	April	2.5
November	15	May	2.5
Total - 192 tmc			

Since Karnataka State could not get full justice from the Tribunal Karnataka Government is taking action to first file a original Suit under article 131 and Special Leave Petition under article 136 of the constitution before the Supreme Court of India and then file a Review Petition under section 5 (3) of Inter State Water Disputes Act before the CWDT bringing forth the anomalies to be set right.

Technical Committee on Cauvery Water Dispute

This Committee has met twice during the year 2006. The Technical Committee of Cauvery Water Dispute has constituted several working Group, which would be meeting frequently to prepare reports on various subjects. The Technical Committee of Cauvery Water Dispute will ultimately discuss these reports.

HYDROLOGY UNIT

To assess water resources of the State in a scientific manner, the observations of flow data at various points in different River basins is most essential. As such, the Government of Karnataka has established a separate Hydrology Unit, under the Water Resources Development Organisation, with the responsibility of establishing gauging stations, for collection, analysis of Hydrometric and Hydrometeorological data.

The work of the gauging sub-division is to establish observation sites for Rivers and streams at selected points and to maintain them systematically. In addition to this, Hydrometric observations, they are also entrusted with the works of installation and maintenance of rain gauges (both ARG & SRG) and establishing of HM stations in the entire state.

During the year 2006-07, the data from the following stations were collected:

Hydrological Stations:		
1.	Current Meter Gauging Stations	41
2.	Stage Discharge Stations	12
3.	River Gauging Stations	01
4.	Automatic/Digital Water Level Recording Stations	42
5.	Silt and Sediment observation Stations	35
Hydrometeorological Stations		
1.	Full Climatic Stations	86
2.	Autographic raingauge Stations	165
3.	Standard raingauge Stations	767

The Hydrological & Hydrometeorological data is scrutinized, analysed, processed, computerized and stored in data centre. The rainfall data of the raingauge stations maintained by this organization is collected and data are being forwarded to the statistical department. Daily rainfall data is maintained in the raingauge registers of all the stations

coming under this organization. Also the daily inflow and outflow data of the major & medium reservoirs, weirs and anicuts are collected from the respective irrigation zones and recorded.

The Hydrology Unit also reviews the water balance study reports prepared by National Water Development Agency for different Rivers in southern states and in particular Karnataka and suggestions are furnished to National Water Development Agency.

Hydrology Project Aid:

Government of India took up the Hydrology Project – I under the World Bank and which envisaged the setting up of reliable and well-designed network in the country for the collection of Hydrological and Hydrometeorological datas, both for Surface as well as Ground Water for quantity and quality.

The project started on 10.12.1996 and closed on 31.12.2003.

During the current financial year of 2006-07, a budget grants of Rs. 3.50 Crores has been allocated for maintenance of Stations, Laboratory, Vehicles, Computers etc., established under the World Bank assisted Hydrology Project – I and for payment of salaries of Staff created under this project. A total of Rs. 2.688 Crores expenditure is during 2006-07.

National Hydrology Project – II

The Government of India has included the State of Karnataka for participating in the Hydrology Project Phase – II and has made a provision of Rs. 29.19 Crores for the same. The components are:

Surface Water Component	Rs. 11.54 Crores
Ground Water Component	Rs. 17.65 Crores
TOTAL	Rs. 29.19 Crores

A review of the various activities, which are to be taken up under Hydrology Project – II indicates that a majority of the expenditure is concentrated for development of software packages for better utilization of Water Resources in the State. Hydrology Project – II is a follow up action project of World Bank Aided Hydrology Project – I where in infrastructure for collection of data was established. The data so collected is now proposed for utilization in the new Hydrology Project – II.

Under Hydrology Project – II out of the proposed cost of Rs.29.19 Crores, Rs.24.44 Crores is earmarked for reimbursement from World Bank and the balance of Rs.4.749 Crores will be borne by the State Government. The loan agreement of this project with the World Bank authorities was signed on 19.01.2006 at Delhi. This project has become effective with World Bank assistance from 5-4-2006. The project is now under progress.

GEOMATIC CENTRE:

The aim of Geomatics Centre, Water Resources Development Organisation, Bangalore is

- * Planning & Investigation of different Water Resources Projects using latest technologies like Remote Sensing, Global positioning System, Geographical System, ALTM, Digital Cartography etc.,
- * Carrying out a pilot study to formulate a model system for establishing Water Resources Data Centre for implementation of State Water Policy.

* The work of Carrying out a detailed investigation for diversion of the waters of River Nethravathi to drought affected eastern parts of Karnataka State has been entrusted to NRSA, Hyderabad and the work is under progress.

GRANT AND OUTLAY STATEMENT FOR YEAR 2006-07

Sl. No	Head of Account	Grant for the Year 2006-07			Expenditure during 2006-07		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total
1	2	3	4	5	6	7	8
1	Technical Control & Supervision WRDO (2702)	0.00	204.58	204.58	0.00	154.39	154.39
2	Irrigation Investigation Circle (2702)	0.00	86.49	86.49	0.00	58.83	58.83
3	Inter State Water Disputes Technical WRDO (2701)	0.00	1320.58	1320.58	0.00	567.06	567.06
4	Irrigation Investigation Divn.(2701)	9.00	425.78	434.78	3.55	313.71	317.26
5	Water Gauging Division (2701)	4.39	400.80	405.19	12.56	247.00	259.56
6	Superintending Engineer, M & E (2701)	0.00	87.41	87.41	0.00	69.86	69.86
7	Post fact Evaluation Studies Completed Irrigation Projects	1.00	0.00	1.00	0.13	0.00	0.13
8	N.H.P. (2701)	350.00	0.00	350.00	268.87	0.00	268.87
9	Cloud Seeding works (4701)	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL:	364.39	2525.64	2890.03	285.11	1410.85	1695.96

G. KARNATAKA ENGINEERING RESEARCH STATION, KRISHNARAJASAGARA

BRIEF DESCRIPTION OF RESEARCH STATION:

Karnataka Engineering Research Station was started during 1944 as a small Research Unit. The Research Station, which forms a wing of the State Water Resources Department, had a phenomenal growth and today it is one of the oldest Research Organisations of its kind in the country. The main objectives of the Research Station are to find solutions to various problems encountered by the field Engineers in Civil engineering discipline. The Research Station has solved many intricate problems posed by Public Works Department, Water Resources Department and other Civil Engineering Departments and other agencies etc. The Research Station has well equipped laboratories supported with good Computer facilities and Library.

The Director of the rank of Chief Engineer heads the Research Station. Joint Director, who is also the Principal of Engineering Staff College, which is a wing of K.E.R.S, assists him. The activities of the Research Station are grouped under 4 divisions as under.

1. Hydraulics Division
2. Technical Services Division
3. Soil Mechanics & Foundation Engineering Division
4. Coastal Engineering Division

Chief Research Officer of the rank of Executive Engineer heads each Division. There are 4 Chief Research Officers (Executive Engineer), 19 Research Officers (Assistant Executive Engineer), 62 Assistant Research Officers (Assistant Engineer), and 19 Junior Research Officers (Junior Engineer) sanctioned posts, out of which 04 Chief Research Officers, 17 Research Officers, 45 Assistant Research Officers and 12 Junior Research Officers are working at present.

1. HYDRAULICS DIVISION:

Model studies of various components of Irrigation & Power Projects like spillway and energy dissipating arrangements, Assessment of carrying capacity of canal system by backwater computation, Gauging of canals, calibration of current meters, Capacity Evaluation of Reservoir by conventional Hydrographic survey as well as remote sensing techniques are the studies entrusted to this division.

2. TECHNICAL SERVICES DIVISION:

This division is entrusted with the work of conducting, non-destructive tests on cement, concrete, Mix design, tests on steel, sand and coarse aggregate etc. Tests on water samples, cement, mortar and concrete samples for chemical analysis, collection of daily Rainfall and Hydrometeorological data, maintenance of buildings and quarters of KERS, maintenance of library are other works entrusted to this division.

3. SOIL MECHANICS & FOUNDATION DIVISION:

This division deals with problems related to foundations, suitability of soils to embankments, problems related to foundations of bridges and buildings and problems related to MI tanks. This division also deals with problems related to rocks & its properties and roads etc.

4. COASTAL ENGINEERING DIVISION:

The main objective of this division is to investigate the causes of coastal erosion along coastal line of Karnataka, collection of field data and suggest remedial measures to contain coastal erosion and conduct model studies if necessary. Also pre monsoon and Post monsoon monitoring of Sea Walls, monthly monitoring of Sea Walls being constructed by port

authorities are being done by this Division. In addition, this division is also doing the work of conducting silt and sedimentation survey of Kabini reservoir.

Through the above Divisions, the Research Station has been playing a key role in solving many Engineering problems in the field of Hydraulics, Concrete, Testing of building materials, Soils, Rock Testing, problems connected with roads, Sea Erosion problems etc.

DAM SAFETY CELL

A Dam Safety Cell is working in the Research Station under the direct control of Director, K.E.R.S. The Cell is headed by Assistant Executive Engineer supported by technical staff and deals with the safety aspects of Dams as per the guidelines of Central Water Commission.

A proposal for creation of Dam safety organisation (DSO) headed by a Superintending Engineer has been submitted to Government, which is under consideration by the Government.

PROGRESS ACHIEVED BY KERS DURING 2006-07:

During the year 2006-07, up to end of March 2007, 91 Nos. of studies covering Hydraulic studies, Rating of current meters (24 Nos), Gauging, Testing of Building Materials, Soils, Water quality testing, Monitoring of Sea Walls etc., referred by different agencies have been completed and reports sent to concerned authorities and 43 studies are under progress.

(i) The MOU between KERS & Mysore Urban Development Authority (MUDA) on Quality tests on materials used for development works undertaken by MUDA.

The Karnataka Engineering Research station has taken up major work of conducting quality control tests on the materials used for development works of Mysore Urban Development Authority (MUDA) agencies. The MOU signed between the Research Station and MUDA in this regard for the year 2005-06 has been continued to 2006-07 also. Accordingly, during 2006-07, 54 Nos. of studies have been completed and reports sent to concerned authorities and 15 studies are under progress/reports to be sent.

(ii) Activities of KERS on the Hydrology Project:

Under the Hydrology project taken up by Government of Karnataka with World Bank Assistance, Research Station has established two Water Quality Laboratory-Level II at K.R.Sagara and Munirabad.

Further, using the Hitech IBS integrated FRP Boat with other auxiliary Equipments procured under Hydrology Project an action Plan for conducting Silt Survey of major Reservoirs of Karnataka was prepared and submitted to Government. As per this Action Plan, the Hydrographic survey of Tungabhadra Reservoir has been conducted in association with Andhra Pradesh Engineering Research Laboratory (APERL) during November-December 2004 and completed. During the current year i.e., 2006-07, Hydrographic Survey of Bhadra Reservoir has been completed. Analysis of the survey results and preparation of report are under progress.

Programme for 2007-08

It is proposed to take up Silt & Sedimentation Surveys of Malaprabha & Ghataprabha Reservoir on reaching FRL during the ensuing monsoon as per the action plan submitted to the Government in this regard.

Basic institutional study on stabilization of laterite soil available in Coastal area using inorganic additives is proposed to be taken up.

Basic study on assessing properties of Recron-3S fiber in cement Concrete & cement mortar is taken up and will be continued during 2006-07.

The works pertaining to strengthening of Research Station will be taken up subject to availability of sufficient grants.

Lastly, since the objective of K.E.R.S. is to find solution to various incidental Civil Engineering problems referred by Government, Quasi Government and other agencies etc., accordingly the same are being attended to as and when referred by the said Departments/Agencies and will also be continued in future.

BRIEF DESCRIPTION OF ENGINEERING STAFF COLLEGE:-

The Engineering Staff College was established in the year 1971 as a commemoration of the Silver Jubilee of the Karnataka Engineering Research Station. This Institution has been established with the aim of training the in-service Engineers as well as newly appointed Asst. Engineers and Junior Engineers of Public Works and Water Resources Department.

The Engineering Staff College is working as an independent unit under the administrative control of Director, Karnataka Engineering Research Station, Krishnarajasagara with effect from 01-04-88.

Principal & Joint Director, of the rank of Superintending Engineer, heads the college. He is assisted by Two Professors (Executive Engineers) 06 Asst. Professors (Asst. Executive Engineers), 03 Lecturers (Asst. Engineers) and Two Junior Engineer - sanctioned posts, out of which 02 Professors, 06 Assistant Professors, 03 Assistant Engineers and Two Junior Engineers are working in the College at present.

ACTIVITIES:-

The Engineering Staff College conducts mainly three types of training Courses.

- (i) Orientation course for newly appointed Asst. Executive Engineers/Asst. Engineers/Junior Engineers (Duration - 6 weeks for Asst. Executive Engineers and 4 weeks for Asst. Engineers and Junior Engineers)
- (ii) Refresher courses for in - service Engineers and others in different subjects (Duration - 5 to 6 days)
- (iii) Short term courses under Continuing Education Programme (C.E.P) (Duration - 5 days).

These CEP Courses are conducted at several renowned Technical Institutions in the State with the object of imparting training to the technical personnel working in the Department. They are conducted at 8 centers in the state namely Mysore, Hassan, Surathkal, Dharwad, Davangere, Belgaum, Bagalkot and Shimoga.

Besides, Basic Computer Course of 12 days duration are also being conducted by the College for the benefit of Engineers & other staff working in the Department.

PROGRESS ACHIEVED BY ENGINEERING STAFF COLLEGE DURING 2006-07:

During 2006-07, it was programmed to conduct 23 Nos. of Institutional Training courses and 32 Nos. of C.E.P. training programmes. The details of training Programmes conducted up to end of March 2007 are given below.

Sl. No.	Category of training programme	No. of courses	No. of courses conducted	No. of persons
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		proposed		trained
1	Institutional Courses	23	17	401
2	C.E.P Courses	32	23	321
3	Special Courses	11	08	320
	Total	66	48	1042

During 2006-07, up to end of December 2006 48 different training Programmes have been conducted and 1042 officer/Staff have been trained so far.

In all, since inception of Staff College up to end of March 2007 the college has successfully conducted 1074 training programmes and have trained 21,637 Officers/Staff of the Government Departments.

PROGRAMME DURING 2007-08:

During 2007-08 it is proposed to conduct about 32 Nos of Institutional & 36 No.s of C.E.P training courses subject to availability of sufficient grants.

Regarding the training programmes on the subjects viz "National Water Policy" the Government is intending to organize a seminar at KERS. K.R.Sagara. After the training policy is finalized, training programmes will be conducted after the receipt of adequate grants from the Government

TABLE - 1

NAME OF THE PORJECT	Research establishment, KERS K.R.Sagara
a) Budge Grant for 2005-06	Rs. 401.68 lakhs
b) Expenditure during 2005-06	Rs. 379.23 lakhs
d) budget Grant for 2006-07	Rs. 429.65 lakhs
e) Expenditure during 2006-07	Rs. 398.82 lakhs
f) Required Budget Grant for 2007-08	Rs. 684.27 lakhs

**TABLE - III
FINANCIAL ESTIMATE**

Sl. No.	Classification	Acutual 2005-06	Revised estimate 2006-2007	Budget grant for 2007-08
A)	ACTIVITY CLASSIFICATION			
	a) Distributories	-	-	-
	b) Rodas	-	-	-
	c) Buildings	-	-	-
	d) Other Charges	379.23	429.65	684.27
	Total A	379.23	429.65	684.27
B)	OBJECTIVE CLASSIFICATION:			
	a) Salaries	333.01	372.40	472.86
	b) Major Minor Works	-	-	-
	c) Machinery & Equipment	17.74	28.42	-
	d) Suspense Debit	-	-	-
	e) Other charges	28.48	28.83	211.41
	Total B	379.23	429.65	684.27

C)	DEDUCT RECOVERIES:			
	a) Suspense Credit	-	-	-
	b) D.R.C.A.	-	-	-
	Total C	-	-	-
	Total (B-C)	379.23	429.65	684.27

ANNEXURE - 2

Budget Classification and Head of Account	Grant for 2006-07		Expenditure upto end of 03/2007		Budget Estimate for 2007-08	
	Plan	Non Plan	Plan	Non Plan	Plan	Non Plan
2701-80-004-1						
03 - Machinery and Equipment	-	28.42	-	15.88	-	-
04 Suspense	-	-	-	-	-	-
1) Stock Debits	-	6.77	-	1.68	-	-
2) MPWA Debit	-	6.75	-	-	-	-
1) Stock Credits	-	6.77	-	1.40	-	-
2) MPWA Credits	-	6.75	-	0.02	-	-
Total	-	-	-	0.26	-	-
05 Survey Works	-	17.28	-	15.32	200.00	-
06 Maintenance and Repairs	-	3.30	-	2.92	-	-
2701-80-003-0-01 Training	8.00	-	7.59	-	11.15	-
2701-80-004-1-07 Rivers Valley Project	0.25	-	-	-	0.26	-
Total	8.25	49.00	7.59	34.38	211.41	-

H. WATER AND LAND MANAGEMENT INSTITUTE (WALMI)**INTRODUCTION:**

To maximize returns from investments made in irrigation projects in the State, it is necessary to manage water and land in a systematic and scientific way. This requires capacity building of Government Staff as well Water Users. To meet these capacity building needs, Water and Land Management Institute (WALMI) started functioning at Dharwad on 12-5-1986 and was later registered as a Society under the Karnataka Societies Registration Act, 1960 on 16.06.1986. WALMI: imparts training; renders technical assistance, advises Government on legal, policy, organizational and procedural changes; organizes demonstrations in collaboration with other organizations; conducts special studies and brings out publications.

TRAINING:

WALMI's training activities focused on the training required for implementation of the State Water Policy and the Irrigation Sector Reforms. Special emphasis was laid on training on Participatory Irrigation Management, Water Management and Land Development. Staff of the Water Resources Department, Karnataka Neeravari Nigam, Krishna Bhagya Jala Nigam and Cauvery Neeravari Nigam Six Command Area Development Authorities were trained by WALMI. The Office bearers of Water Users Cooperative Project Level Federations of

Malaprabha and Ghataprabha, Office bearers of Water Users Cooperative Societies throughout the State as well as some farmers were also trained by WALMI. During the year it was planned to train 1080 persons. However, due to non-availability of Trainees Hostel as the same was demolished for construction of Circuit Bench of the High Court of Karnataka, training programmes could not be organised between mid July to Mid November 2006 and only 768 persons were trained upto the end of December 2006. Since inception WALMI has trained 29771 persons. It is planned to impart training to 312 persons during the remaining three months of this year.

TECHNICAL ASSISTANCE:

WALMI rendered technical assistance to the Water Resources Department, Krishna Bhagya Jala Nigam, Karnataka Neeravari Nigam and Cauvery Neeravari Nigam Six Command Area Development in the delineation of the area of operation of water users societies, entrusting rehabilitation prior to handing over of canal network to Water Users Societies, implementation of State Water Policy and Irrigation Sector Reforms. Malaprabha, Ghataprabha, Harangi and Kabini Water Users Cooperative Project Level Federations and the Water Users Cooperative Societies in : Malaprabha, Ghataprabha, Upper Krishna, Chandrampalli, Tungabhadra, Bhadra, Krishnarajasagara, Hemavathy, Harangi and Kabini were also given technical assistance for PIM implementation.

DEMONSTRATIONS IN COLLABORATION WITH THE UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD:

Demonstrations pertaining to irrigation methods for different crops- Cotton, Soyabean, Chilli, Sunflower, Wheat, Bengalgram, Maize, Groundnut, Guava, Mango, vegetable crops, etc were laid. Water saving technologies like drip, sprinkler and Raingun were demonstrated in the WALMI Farm to support training activities.

The requirement of funds for the year was Rs. 200 lakhs. Budget provision of Rs. 100.00 lakhs was made. The total expenditure incurred during the year upto end of March 2007 is Rs. 77.04 lakhs.

I. CENTRAL MECHANICAL ORGANISATION

This organisation has only one circle, three divisions, 14 sub-divisions and 36 sections. The jurisdiction of Chief Engineer, Central Mechanical Organisation covers the entire state of Karnataka.

Budget grant for the year 2005-06	Rs.1268.72 lakhs
Expenditure during the year 2005-06	Rs.1194.11 lakhs
Reason for shortfall	Shortfall in LOC
Budget grant for the year 2006-07	Rs.1215.40 lakhs
Expenditure during the year 2006-07	Rs. 1217.08 lakhs
Budget requirement for 2007-08	Rs.18206.22 lakhs

MAIN FUNCTIONS OF CENTRAL MECHANICAL ORGANISATION

- ❖ The main duties and functions of the organisation are briefly as follows:
- ❖ Optimum utilisation of machinery available in the department.
- ❖ Streamlining the purchase of spare parts.
- ❖ Centralisation for purchase of new machinery.
- ❖ Reduction in the inventory of the spare parts held in stock of various divisions.

- ❖ Plugging the leakages of revenue.
- ❖ Disposal of surplus and unserviceable machinery.
- ❖ Inspection of sick machinery in the Public Works and Irrigation Department and scrutiny/sanction of repair estimates.
- ❖ Review of efficiency and performance of machinery.
- ❖ Fixing hire charges of machinery/equipment and recommendation to the Government for the adoption of hire charges.
- ❖ Rehabilitation of surplus vehicles/machinery.

**TABLE - 3
FINANCIAL ESTIMATE**

(Rs. In lakhs)

Sl. No.	Particulars	Expenditure during 2005-06	Programme during 2006-07	Expenditure during 2006-07	Grant for 2007-08
1	Establishment	711.10	698.83	695.67	874.42
2	Vehicle / Equipment	483.01	616.57	541.62	952.00
3	Suspense (-)	138.9	90.54	90.54	120.00
4	Others	-	-	-	-
5	Suspense (+)	134.00	90.54	90.54	120.00

**TABLE - 4
WORK LOAD SUMMARY**

Sl. No.	No. of vehicle / Equipment declared unserviceable	No. of vehicle / Equipment disposed	Amount of Revenue through disposal	Balance No. of Machinery / Equipment
1	2	3	4	5
A. Irrigation Department:				
1.	245	173	6.61	73 Under various stages of disposal
B. Public Works Department:				
1.	964	808	57.39	156. Under various stages of disposal

Surplus Machinery Declared and their Rehabilitation

Sl. No.	Nigam / Zone	No.	Remarks
1	Krishna Bhagya Jala Nigam	20	Including 16 Jeeps & 11 Cars
2	Irrigation Central Zone	07	
3	Hemavathy Canal Zone	04	
4	PWD	06	
5	Other department	05	
6	K.P.C.L	03	
7	R.L.D	02	
	TOTAL	52	

**Disposal of unserviceable machinery in Water Resources & Public Works Department,
which have been recommended for scrap during routine course of inspection.**

Sl. No.	Description	No.	Remarks
1	Unserviceable machinery identified for disposal during 2005-06 (Upto end of 12/06)	113	Rs. 42,93,600/- Revenue Realised
2	Disposed during 2005-06	79	

FINANCIAL TARGET AND ACHIEVEMENT FOR THE YEAR 2006-2007

(Rs. In lakhs)

Sl. NO	Name of the Project	Grant for 2006-07	Expenditure for 2006-2007
1.	315 Bhadra	29.66	27.88
2.	317 TBP-LBC	98.55	107.61
3.	359-Bennithora	43.58	63.81
4.	401-Karanja	59.81	60.92
5	207-HamavathiDam	138.95	130.53
6.	208-Hemavathi Canal	29.21	27.99
7	2702-Minor Irrigation Plan	46.69	137.08
8.	4701-80-800(Plan)	150.00	171.49
9.	4701-80-800(N.P)	200.00	41.93
10.	2702-Minor Irrigation (NP)	56.57	53.47
11	2059-P. W (NP)	50.00	118.47
12.	3054-NH (NP)	35.00	29.90
13.	2701-D & A (N P)	252.38	235.00
14.	2701-W.R.D.O. (NP)	25.00	7.00
	TOTAL	1215.40	1217.08

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