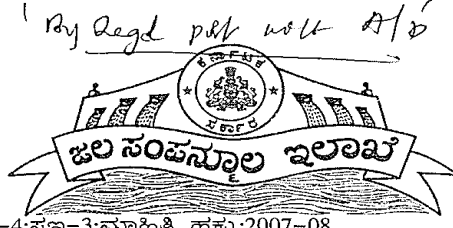


Annexure J : Copy of the RTI reply from the Chief Engineer, W.R.D.O

ಜನಿಯರ್‌ರವರ ಕಛೇರಿ
ಜಿಲ್ಲಾಪಂಚಾಯತ್ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ
ವಿಜಯನಗರ
ಬೆಂಗಳೂರು - 560 009



ಕಛೇರಿ : 22871094, 22875519
22871174, 22352430
ಫ್ಯಾಕ್ಸ್ : 080-22872247
080-22204528
ಇ-ಮೇಲ್ : bngwrdo@kar.nic.in

ಸಂಖ್ಯೆ: ಜಸಅ:ಯೋಮತಃಟಿಎ-4:ಸಇ-3:ಮಾಹಿತಿ ಹಕ್ಕು:2007-08

ದಿನಾಂಕ: 9-03-08.....

ಇವರಿಗೆ,

ಶ್ರೀ ಅರ್ಪಿತಾ ಜೋಷಿ,
ನಂ.105, ಈಸ್ಟ್ ಎಂಡ್ 'ಬಿ' ಮುಖ್ಯ ರಸ್ತೆ,
9ನೇ ಬ್ಲಾಕ್, ಜಯನಗರ,
ಬೆಂಗಳೂರು 560 069.

ಮಾನ್ಯರ,

ವಿಷಯ:- ಮಾಹಿತಿ ಹಕ್ಕು ಅಧಿನಿಯಮದಡಿ 2005ರಂತೆ ಕಬಿನಿ
ಜಲಾಶಯದ ಮಾಹಿತಿ ಒದಗಿಸುವ ಕುರಿತು.
ಉಲ್ಲೇಖ:- ತಮ್ಮ ಡಿ.ಡಿ. ಪತ್ರದ ದಿನಾಂಕ: 6-3-2008.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಕಬಿನಿ ಜಲಾಶಯ ಯೋಜನೆಯ ಪರಿಷ್ಕೃತ
ಅಂದಾಜು ವರದಿ ಹಾಗೂ ಕಬಿನಿ ಜಲಾಶಯದ ನೀರಿನ ಒಳ ಹಾಗೂ ಹರಿವಿನ ವರದಿಯನ್ನು
ಇದರೊಂದಿಗೆ ಕಳುಹಿಸಲಾಗಿದೆ.

ಅಡಕ: 14 ಪುಟ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

K. Subramanyam
ಸಾರ್ವಜನಿಕ ಮಾಹಿತಿ ಅಧಿಕಾರಿ,
ಜ.ಸಂ.ಅ.ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು.

18 MAR 2008

CAUVERI NEERAVRI NIGAMA LIMITED
(A Government of Karnataka undertaking)

REPORT OF
KABINI RESERVOIR PROJECT
AS PER PROJECT REPORT OF REVISED ESTIMATE
OF RS. 1233 CORES)

BRIEF NOTE ON REVISED ESTIMATE OF

KABINI RESERVOIR PROJECT

The Kabini project as per original proposal was contemplated to impound 12.30 Tmc. of water to irrigate an area of 30,000 acres at an lift canals in two seasons). The total cost of the Kabini Project worked on to Rs.390 Crores and the same was Administratively approved vide G No. PWD 22 MKB 81, Bangalore, dated 24/06/1986.

THIRD REVISION : PROPOSED FOR RS. 1,233 CRORES (2003) :

The sanctioned Revised Project Estimate (1986) for Rs.390 Crores envisaged the construction of two additional reservoir and which was based on preliminary studies. When detailed surveys and investigation for both the reservoirs and the lift component, was taken-up, it was revealed that, part of the submergence area under Sagare Doddakere dam and the entire Submergence area under Upper Nugu reservoir lie in the jurisdiction of " **The Project Tiger** " and permission was not granted by the Forest Department, even for conducting surveys under the Wild Life Protection Act 1972. In addition there was stiff agitation by the villagers of re-habilitated colonies of existing Kabini Dam, which would also submerge, for construction of additional reservoirs. Hence, further survey works in this regard had to be stopped.

Subsequently, several alternative proposals were examined to cater for drought prone areas by diverting the monsoon flows from the existing Kabini Reservoir and without the construction of additional storage Reservoir. Accordingly the following two lift schemes are proposed.

Bidarahalli Lift Irrigation Scheme : The Major component of Kabini Second Stage is lifting 8.62 Tmc water with static head of 42.79m (14 lift) from the fore-shore of Kabini Reservoir, on the right flank near Bidarahalli village. The main canal takes off from this cistern located near Kandegala village and runs parallel to the existing Kabini Right Bank Canal at higher margin for a length of 232 Kms. and tails off in Hebbahalla in Yelandur Taluk to irrigate 1,09,547 Acres in Khariff season only. Another Branch Canal takes off from this system and runs parallel to the periphery of the reservoir for a length of 24 Kms. to irrigate 5800 acres.

Antharasanthe Lift Irrigation Scheme :

Antharasanthe Lift Irrigation Scheme is proposed to lift 0 508 tr of water from the fore-shore of Kabini Reservoir on the left flank with static head of 60.96m (200 ft.) to irrigate 8000 acres of Kharif Semi d crops.

Other Lift Irrigation Schemes:-

In the present proposal the following other Five Lift Irrigation Schemes are also included.

1. Taraka lift Irrigation Scheme
2. Nugu Lift Irrigation Scheme
3. Badanavaha Lift Irrigation Scheme
4. Hirekere- Honganur Lift Irrigation Scheme
5. Bannahalli bundi Lift Irrigation Scheme.

The total water requirement for Kabini project including all tl above component comes to 52.00 Tmc. and the taluk-wise atchkat Kabini Project are as follows:

(Atchkat in Acres)

Sl.No.	Name of the Taluk	Flow System	Lift system	Total
1.	Heggadaevanakote.	7400	27900	35300
2.	Nanjangud.	17000	41797	58797
3.	T Narasipura.	29506	2400	31906
4.	Gundulpet.	-	250	250
5.	Chamarajanagar.	3400	47000	50400
6.	Kollegal.	36694	-	36694
7.	Yelandur.	16000	4000	20000
TOTAL :		110000	123347	233347

7. ESTIMATED COST.

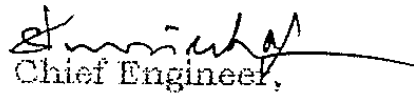
7.1 The total estimated cost of the project is Rs.1233 Crores, which includes Rs.531 Crores for the flow component and Rs. 702 Crores for the Lift component. In respect of the flow component, the cost is as per actual for the works already executed and Schedule Rates for 2001-02 for the balance works to be done. In respect of the Lift component, the entire estimate is based on the Schedule of Rates of Kabini & Varuna Canal Circle for the year 2002-03. The total expenditure of Kabini Project (flow system only) to end of March-2003 is Rs. 389 Crores.

The revised estimate of Kabini Resorvior Project has been placed before Technical Sub-Committee meeting of Cauvery Neeravari Nigama, held on 13-11-2003 at Bangalore and the same has been cleared.

Early administrative approval to the estimate is requested.

sd/-

Superintending Engineer,
Cauvery Neeravari Nigama,
Kabini and Varuna Canal Circle, Mysore.


Chief Engineer,

Cauvery Neeravari Nigama,
Irrigation (South), Mysore.

SALIENT FEATURES OF KABINI RESERVIOR PRO

I. GENERAL

1. Name of the Project : Kabini Project.
2. Name of the river. : Kabini River.
3. Location of the dam. : Between Bidarahalli and Beechanal in H D Kote taluk, 4 miles (6.43 Elr

III. CANALS :

1) KABINI RIGHT BANK CANAL

- | | |
|----------------------------|--------------------------------------|
| Length of Main Canal. | : 202 Kms. |
| Capacity at Head. | : 2289 Cusecs (64.82 Cum/Sec) |
| Full supply depth. | : 16 feet (4.88 Mtrs) at Head Reach. |
| Cill level of Head Sluice. | : 2249.00 Feet. |
| Gross Command Area. | : 121690 Acres |
| Cultivable Command Area. | : 1,07,000 Acres |

2) KABINI LEFT BANK CANAL

- | | |
|----------------------------|-------------------------------------|
| Length of Main Canal. | : 26 Kms |
| Capacity at Head. | : 99 Cusecs (2.80 Cum/Sec) required |
| Cill level of Head Sluice. | : 2249.00 Feet. |
| Full supply depth. | : 4.5 Feet (1.37 Meters) |
| Gross Command Area. | : 3280 Acres. |
| Cultivable Command Area | : 3000 acres. |

IV. LIFT SCHEMES :

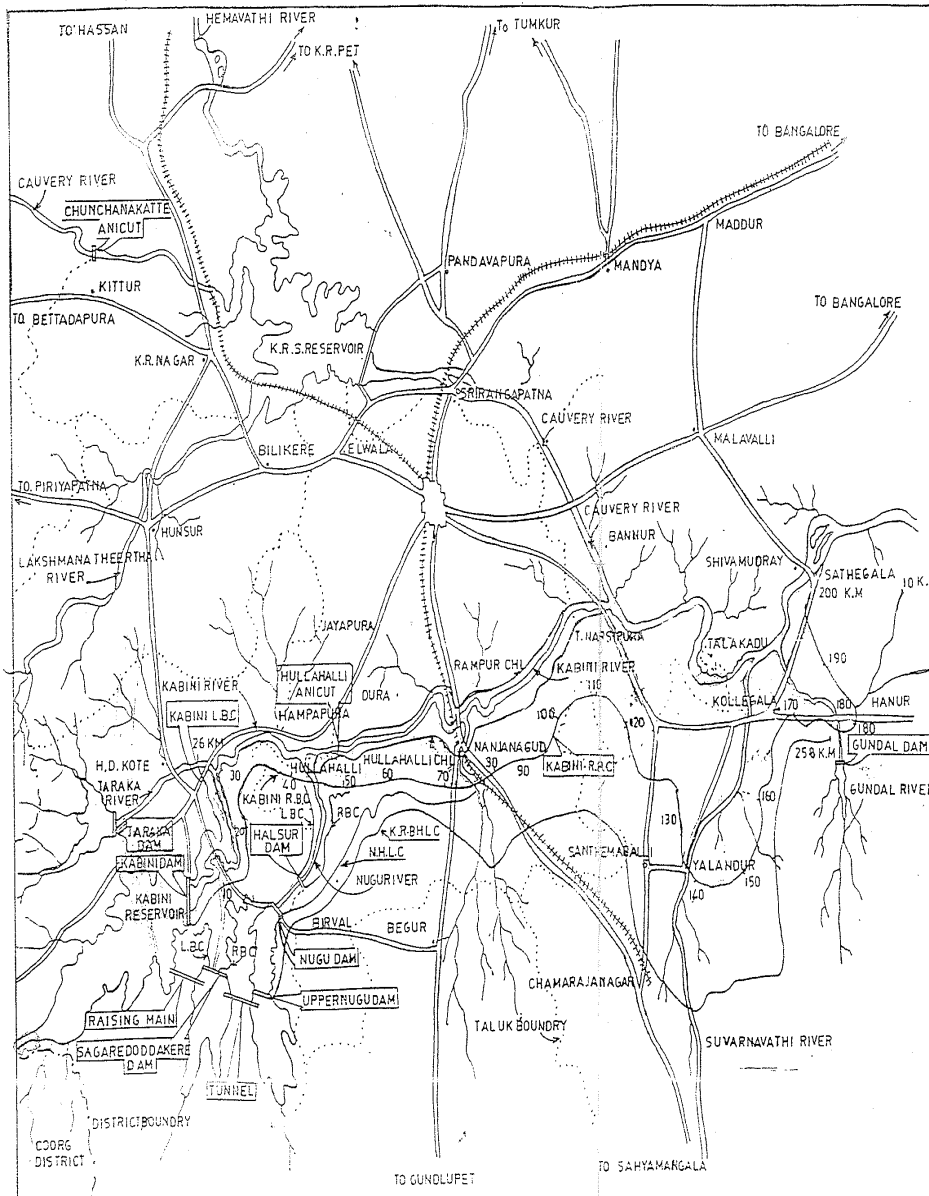
A) Bidarahalli Lift Irrigation

1. Location. : Foreshore of Kabini Reservoir on the right bank near Bidarahalli village.
2. Length of approach canal : 691 Meters.
3. Static Head. : 42.79 Mtrs.
4. Length of rising Main. : 775 Mtrs.
5. Discharge required. : 1057 Cusecs.
6. Diameter of pipes for rising main and No. of rows. : 4 rows of 2.4 Mt. diameters.
7. HP required. : 27,200 HP
8. No. of pumps and HP of each pump. : 16 Nos of 1700 HP + 4 Nos of 1700 HP standby.

9. Energy required at 80% power factor.	:	25.40 M W
10. Length of Main Canal	:	232 K M
11. Length of branch Canal	:	24 K M
12. Irrigable Command.	:	1,15,347 Acres.
13. Cropping pattern.	:	Khariff - Semidry.
14. Cultivable Command Area	:	1,15,347 Acres.

B) ANTHARASANTHE LIFT

1. Location.	:	Foreshore of Kabini Reservoir on the left flank near Antharasanthe village.
2. Length of approach canal	:	1000 Mtrs.
3. Static Head.	:	61.79 Mtrs.
4. Length of rising main.	:	1400 Mtrs.
5. Discharge required.	:	54.14 Cusecs.
6. Diameter and pipes for rising Main and No. of rows	:	1 Row of 1.2 Mtr diameter.
7. H P required	:	2000 H P
8. No. of pumps required and H P of each pump.	:	5 No.s of 400 H P + 1 No. of 400 H P standby.
9. Energy required at 80% power factor.	:	1.9 M W
10. Length of Canal.	:	15 Kms.
11. Irrigable Command.	:	8000 Acres.
12. Cropping pattern.	:	Khariff - Semidry.
13. Cultivable command area.	:	8000 Acres.



INDEX

RIVER		
WATER SPREAD AREA		
DAM SITE		
CANALS		
ROADS		
POTENTIAL CREATED UPTO 39%		
POTENTIAL PROGRAMME FOR 1996-99		
POTENTIAL TO BE CREATED		
C.C.A.		48739 Hec
ULTIMATE IRRIGATION POTENTIAL		48739 Hec
POTENTIAL CREATED UPTO 39%		41664 Hec
POTENTIAL PROGRAMME FOR 96-99		-
GROSS STORAGE		19.52 T.M.C
LIVE STORAGE		16.09 T.M.C
PLANNED UTILISATION		35.754 T.M.C
UTILISATION ACHIEVED UPTO 39%		31.29 T.M.C
COST OF THE PROJECT.		Rs. 48099 LAKHS
EXPENDITURE INCURRED UPTO 39%		Rs. 31041 LAKHS
FINANCIAL PROGRAMME FOR 96-99		Rs. 2099 LAKHS.

INDEX MAP

KABINI RESERVOIR PROJECT
(Kabi Sub Basin C-2)

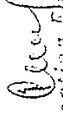
CAUVERI NEERAVRI NIGAMA LIMITED
(A Government of Karnataka undertaking)

KABINI RESERVOIR PROJECT
FLOW, OUTFLOW AND UTILISATION DETAILS

KABINI RESERVOIR PROJECT (FLOW SYSTEM)

DETAILS OF INFLOW, OUTFLOW AND UTILISATION DURING THE PERIOD FROM 1997-98 TO 2007-08

Sl.No.	Year	UTILISATION (TMC)									
		INFLOW AND OUTFLOW DETAILS IN MCFT				PLANNED			ACTUAL		
		INFLOW	OUTFLOW	KHARIF	SUMMER	TOTAL	KHARIF	SUMMER	TOTAL		
1	1997-98	128091	82032	17.132	14.258	31.39	31.328	13.490	44.818		
2	1998-99	132619	82597	17.132	14.258	31.39	29.965	14.245	44.210		
3	1999-2000	105844	69745	17.132	14.258	31.39	30.631	4.205	34.836		
4	2000-01	115974	71119	17.132	14.258	31.39	31.411	8.070	39.481		
5	2001-02	100255	66052	17.132	14.258	31.39	33.268	0.785	34.053		
6	2002-03	78089	50748	17.132	14.258	31.39	30.852	0.000	30.852		
7	2003-04	53441	22375	17.132	14.258	31.39	24.713	0.000	24.713		
8	2004-05	109211	73321	17.132	14.258	31.39	27.593	5.220	32.813		
9	2005-06	134972	91801	17.132	14.258	31.39	26.661	8.717	35.378		
10	2006-07	133216	100894	17.132	14.258	31.39	29.56	4.510	34.070		
11	2007-08 (UPTO SEP.07)	144429	114006								


 Superintendent
 Kabbal & Varaha Canal Sli
 Mysore
 2007-08

