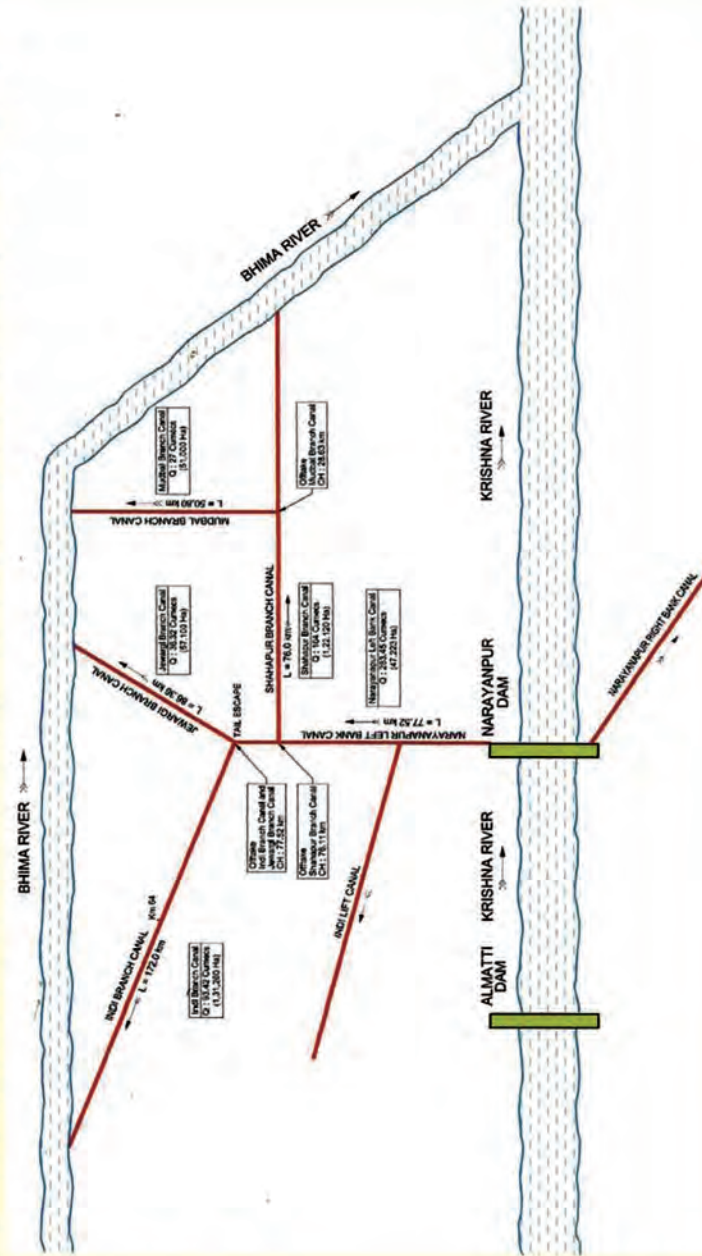


ESTIMATED COST DETAILS OF ENGINEERING AND NON-ENGINEERING COMPONENTS PROPOSED UNDER WUE & ERM PROJECT UNDER NLBC CANAL NETWORK
(Rs. in crores)

Sl. No.	Activities	Total Cost
I	Engineering aspects	
1	Remodelling of Canal Network Including Laterals	
i	Remodelling of NLBC and its Distributary Network	1100.05
ii	Remodelling of SBC and its Distributary Network	545.59
iii	Remodelling of JBC and its Distributary Network	293.28
iv	Remodelling of MBC and its Distributary Network	235.60
v	Remodelling of IBC and its Distributary Network	740.48
	Sub total	2915.00
2	Introduction of Telemetry for proper measurement	17.50
3	Automation of Regulators for equitable distribution	30.00
4	Gravity based Micro Irrigation System for 25% of the total Command Area (1,02,000 Ha) @ Rs. 1.00 lakh/ Ha	1020.00
5	Reclamation of soil in saline and water logged area in Command by providing surface/sub surface drainage	59.50
	Total I	4042.00
II	Non- Engineering aspects	
6	Preparation of GIS based Irrigation management System for conjunctive use of water	5.00
7	Cost towards formation of new WUCS, revival of existing WUCS and issue of soil/water health card	38.00
	Total II	43.00
	Grand Total I+II	4085.00

NARAYANAPURA LEFT BANK CANAL NETWORK - SCHEMATIC DIAGRAM



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KRISHNA BHAGYA JALA NIGAM LIMITED
(A Government of Karnataka Undertaking)



REMODELLING OF NARAYANAPUR LEFT BANK CANAL AND ITS NETWORK EXTENSION, RENOVATION AND MODERNIZATION - (ERM-AIBP) AND WATER USE EFFICIENCY (WUE) PROJECT.



Sri Jagadish Shettar
Hon'ble Chief Minister & Chairman, KBJNL



Sri Basavaraj Bommai
Hon'ble Minister for Water Resources & Vice-Chairman, KBJNL



NLBC Canal

Narayanpur Dam

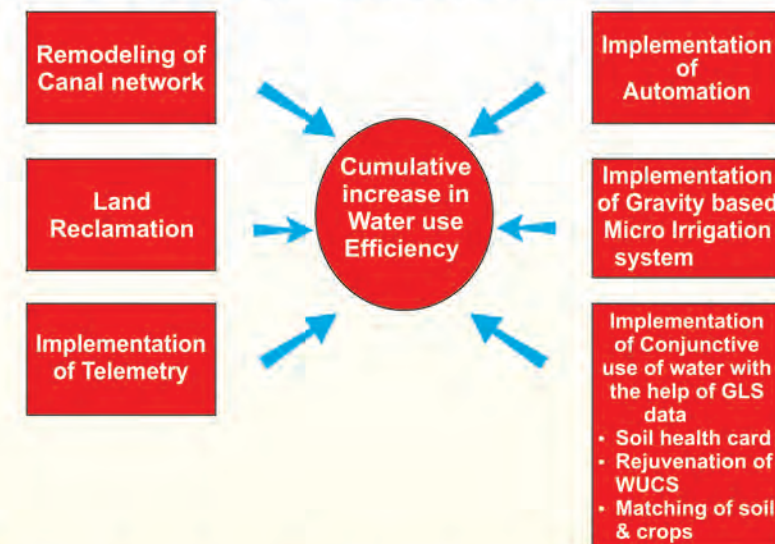
Extension, Renovation and Modernization - Accelerated Irrigation Benefit Programme (ERM-AIBP) Project and Water Use Efficiency (WUE) Project of NLBC and its network.

- ◆ Narayanapura Left Bank Canal (NLBC) is the biggest and the life line canal network under Upper Krishna Project in Northern Karnataka.
- ◆ NLBC is designed for a carrying capacity of 10,000 cusecs to irrigate 4.50 lakh Hectares of command spread over in perennially drought prone districts of Gulbarga, Yadgir and Bijapur in Northern Karnataka.
- ◆ The distribution network under NLBC includes Main Branch Canals viz; Indi Branch Canal, Jewargi Branch Canal, Mudbal Branch Canal, Shahapur Branch Canal and Indi Lift Canal and sub systems.
- ◆ The command to an extent of more than 1.00 lakh Hectare under NLBC and its canal network is not getting planned required water and optimum Water Use Efficiency is not being attained due to following reasons:
 - (a) Due to damage in the canal network systems
 - (b) Failure of slope and seepages in the canal network
 - (c) Absence of rotation system and management of flow of water
 - (d) Absence of proper regulating arrangements
 - (e) Due to farmers growing water intensive crops and in an unscientific manner resulting in usage of excess water
 - (f) Absence of proper surface and sub-surface drainage resulting in water logging and subsequent salinity and alkalinity in the command area etc.
- ◆ To improve the Water Use Efficiency (both conventional and end use efficiency) by 25%, for ensuring equitable distribution of water and to mitigate the suffering atchcut in the NLBC Canal Network System a proposal at a total estimated cost of Rs. 4085.00 Crores for Extension, Renovation and Modernization (ERM) under Accelerated Irrigation Benefit Programme (AIBP) and Water Use Efficiency (WUE) under National Water Mission has been prepared.

ERM & WUE project proposals of NLBC canal network includes :

- Remodelling of NLBC and its Branch Canals viz; SBC, MBC, JBC, IBC networks up to Laterals.
- Introduction of Telemetry and Automation.
- Introduction of gravity based Micro Irrigation System in existing selected command.
- Planning of GIS based irrigation management system.
- Formation of new Water Users Co-operative Societies (WUCS) and revival of existing WUCS.
- Providing soil / water health card to the farmers in the command area.
- Land reclamation through surface and sub-surface drainage system.
- The project will benefit the farmers coming under the command of Shahapur, Shorapur, Jewargi, Sindagi and Indi taluks of Gulbarga, Yadgir and Bijapur districts of Northern Karnataka.
- Government of India has already accorded clearance to the State Government for preparing Detailed Project Report at an estimated cost of Rs. 4085.00 crores to take up the ERM and WUE project.
- The Remodelling of NLBC and its Canal network is one of the largest ERM-AIBP project for which 'in-principle approval' is accorded by Government of India. Central Assistance of 90% of the project cost will be funded by Government of India and the balance 10% of the project cost only will have to be borne by Government of Karnataka as State's share.

INCREASE OF WATER USE EFFICIENCY



◆ Benefits of the NLBC ERM & WUE Proposal

- ◆ Suffering atchkut of about 1.00 lakh Ha. will be revived
- ◆ Increase in agriculture production
- ◆ Improvement of Water Use Efficiency by 25% in NLBC canal Network
- ◆ Equitable distribution of water in entire command area
- ◆ Improvement in economic status of farmers in command area of Gulbarga, Yadgir & Bijapur Districts of Northern Karnataka

