

## FOREWORD

A National Perspective Plan for water resources development envisaging inter-basin water transfer was formulated by the Ministry of Water Resources in 1980 for equitable distribution of available water from water surplus basins to water short areas. Subsequently National Water Development Agency (NWDA) was set up to study the feasibility of the river basin links proposed in the above Plan in 1982. Bedti-Varada link project is one of the 16 link proposals under Peninsular Rivers Development Component. The PFR of the Bedti-Varada link (NPP proposal) was prepared by NWDA during 1995. Based on revised and enhanced mandate of National Water Development Agency (NWDA), to study PFR/DPR of Intra State links, PFR of Bedti (Dharma)-Varada intra-state link was also prepared during 2017.

The preparation of Detailed Project Report (DPR) of link projects proposed under the National Perspective Plan was included in the functions of NWDA in 2006. Accordingly, on the request of Government of Karnataka, DPR of Bedti-Varada link originally proposed under National Perspective Plan (NPP) is renamed as Bedti-Varada link (Link-1) and Bedti-Dharma-Varada Link (Link-2) has been prepared. The Bedti-Varada link project envisages diversion of 524 MCM of surplus water available at Pattnahahalla, Shalamahalla and Suremane diversion sites in Bedti basin to Varada, tributary of Tungabhadra river in Krishna basin to augment/stabilise the existing tail end command, beside additional command under Tungabhadra Left Bank Canal (TBLBC) for irrigation in drought prone Raichur district. The project is mainly an irrigation scheme. This link project shall provide annual irrigation of 1.049 lakh ha of irrigation utilizing 476 MCM in Manvi, Sirwar, Devdurg, and Raichur taluk of Raichur district in Karnataka and also provide domestic & industrial water supply to the tune of 14 MCM & 24 MCM respectively.

The DPR of the link project has been prepared based on the Guidelines for Preparation of Detailed Project Report of Irrigation and Multipurpose Projects -2010, of the then Ministry of Water Resources. The DPR has been prepared based on toposheets, Digital Elevation Model (DEM) and data collected from various departments of Karnataka state and other Central Govt. organizations.

The co-operation and assistance received from the Govt. of Karnataka in preparation of the DPR is thankfully acknowledged.

I convey my thanks to the concerned officers of NWDA, especially, the Chief Engineer (HQ), the Chief Engineer (South), Hyderabad, Superintending Engineer, Investigation Circle, Hyderabad and Executive Engineer, Investigation Division, Bengaluru, for their sincerity, devotion and hard work in completing the task within the assigned time period.

It is hoped that the state Govt. would offer their valuable suggestion on the draft DPR for its refinement and finalization of the DPR. I am hopeful that the report shall be finalized soon and shall be taken up for implementation to achieve the envisaged benefits from the link project to make the Country **AtmaNirbhar Bharat**.

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