

EXECUTIVE SUMMARY

Name of work: KIIFB- Water Supply Scheme to Kodassery, Pariyaram and Athirappilly Panchayaths

Proposed project is intended to provide adequate drinking water to the entire population of Kodassery, Pariyaram and Athirappilly Panchayaths situated in Chalakkudy block Panchayath of Thrissur District. The Athirappilly Grama Panchayath is blessed with the famous Tourist place Athirappilly Water Fall. Water Demand for the floating population is also included in the Project. The scheme area comes under Chalakudy Assembly constituency in the Chalakudy Parliament constituency.

The scheme area is located about 30 Km South of Thrissur Town and 5 Km east of Chalakudy Municipality. The Panchayaths has an area of 599.70 Sq. Km. The scheme area is highly sloping and undulating. The boundaries of the scheme area are Chalakudy River at south, Chalakudy municipality and Kodakara Panchayath at west, Mattathur Panchayath at north and reserve forest of Vazhachal forest Division at East. The population of the project area as per 2011 census is 66,073. At present, the existing KWA water supply schemes in the Kodassery and Pariyaram Panchayaths are largely inadequate to meet the potable water requirements and there is no KWA water supply scheme in Athirappilly Pannchayath.

The scheme is designed at a rate of 100 lpcd and the design period is taken as 30 years. The ultimate population of the scheme is 80,500 and design demand is 12.00 mld by taking growth rate @ 5%. The source selected is Chalakudy River. The river is perennial and by the release of water from Peringalkuthu Dam which is on the upstream, there will be sufficient water during summer season. The site selected is at Vanchikadavu near Vettilappara in the Athirappilly Grama Panchayath.

The proposed project is a new water supply scheme with all components for meeting the water demand of the benefitted Panchayaths. The report includes design and estimate of the proposal for production components up to OHSR for meeting the water demand of Kodassery, Pariyaram and Athirappilly Panchayaths at the rate of 100 liters per capita per day in the design year 2050. Providing distribution system in Kodassery, Pariyaram and Athirappilly Panchayaths will be taken in the second phase of the Project. The total estimated cost of the project comes to 56.00 Crores.