

KERALA WATER AUTHORITY



JAL JEEVAN MISSION – PHASE I

**PROVIDING FUNCTIONAL HOUSEHOLD TAP CONNECTIONS
(FHTC) IN CHEKKIAD GRAMA PANCHAYATH
KOZHIKODE DIST., KERALA STATE (REVISED WITH SOR
2018)**

DETAILED ENGINEERING REPORT

EXECUTIVE ENGINEER

PROJECT DIVISION

KOZHIKODE

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PROJECT AT A GLANCE

Sl.No	Name of Project		JAL JEEVAN MISSION -PHASE II Providing functional household tap connections by LAYING NEW DISTRIBUTION SYSTEM AND CONSTRUCTION OF OH TANK OF CAPACIY 12.50LL in CHEKKIAD Grama Panchayath
1.	Panchayath benefitted	:	CHEKKIAD
2.	Taluk	:	VATAKARA
3.	District	:	Kozhikode
4.	Population as per 2011 Census	:	24,246
5.	Name of WSS covering the Panchayath	:	WSS to Kunnummal and Adjoining Panchayath
6.	Total Households as on 1/4/2020	:	5789
7.	Existing FHTC	:	431
8.	Balance FHTC to be provided	:	5358
9.	FHTC proposed to be covered in JJM- Phase II	:	5358
10.	Total Cost estimate of the Project		
	Appendix A (by retrofitting)	:	NIL
	Appendix B (by Laying new distribution network& construction of new OH tank))	:	RS. 3158.00 Lakhs
	TOTAL	:	RS. 3158.00 Lakhs

(Rupees Three Thousand one hundred and fifty eight Lakh)

ABSTRACT OF ESTIMATE

Description of work	Amount in Lakhs
APPENDIX. A : Cost estimate for providing FHTC by retrofitting Panchayath Contribution @ 15 % Beneficiary Contribution @ 10%	 NIL
APPENDIX. B : Cost estimate for providing FHTC by Laying New Distribution System & construction of new OH Tank Panchayath Contribution @ 15 % Beneficiary Contribution @ 10%	 473.70 Lakhs 315.80 Lakhs
Total Cost Estimate (App. A + App B)	3158.00Lakhs
Total Panchayath contribution @ 15 %	473.70Lakhs
Total beneficiary contribution @ 10%	315.80Lakhs

DETAILED ENGINEERING REPORT

JALJEEVAN MISSION – PHASE I – PROPOSAL FOR PROVIDING FHTC BY THE CONSTRUCTION OF NEW RCC OH TANK of CAPACITY 12.5LAKH LITRE CAPACITY ,LAYING GRAVITYMAIN AND LAYING NEW DISTRIBUTION SYSTEM IN CHEKKIAD GRAMA PANCHAYATH KOZHIKODE DISTRICT, KERALA STATE

Introduction:- Jal Jeevan Mission (JJM) is a comprehensive drinking Water Supply Project Envisaged by Government of India with an objective to provide functional house hold drinking water tap connection to all households in rural India by 2024. This project is being implemented in collaboration with State Governments in 50:50 cost sharing basis.

In this project it is proposed to provide 5358 Nos FHTCs in Chekkiad gramapanchayath by laying disrribution system from the overhead tank to be constructed under this project.

GENERAL INFORMATION ABOUT CHEKKIAD PANCHAYATH

Chekkiad GramaPanchayath situated on North side of Kozhikode District, extends over an area of 24.47 sq.km with a population of 24,246 as per 2011 Census. The total Panchayath area belongs one villages namely Chekkiad is part of Vadakara Taluk. There are 4 Nos. wards in this Panchayath. Chekkiad Panchayath belongs to Vadakara Assembly Constituency and Kozhikode Parliamentary Constituency.

Four boundaries of the KotturPanchayath are.

South	:	Thooneri-Nadapuram Panchayaths
East	:	Valayam-Vanimel Panchayaths
West	:	Thrippangottur panchayaths
North	:	Thrippangottur,Pattyam panchayaths .

DETAILS OF EXISTING WATER SUPPLY SYSTEM

In Chekkiad panchayath existing household connections are under Pachayath water supply schemes

Presently there are 431 house connections in Chekkiad Panchayath

DETAILS OF PROPOSED PROJECT

As mentioned earlier there are total 5789 Nos. households in Chekkiad gramaPanchayath out of which 431 nos are already having FHTCs. In this Phase-II Jal Jeevan mission project for Chekkiad Grama Panchayath. It is envisaged to provide FHTC to all balance 5358 households. The source of scheme is Conventional Treatment plant 19mld capacity (new) and 8mld(old) at Koyyamparakunnu. It is proposed to store water in the overhead reservoir of capacity 12.5 Lakh litres at Vazhayil (Puliyavu) in Chekkiad panchayath to be constructed under this project .

Cost estimate providing 5358 Nos FHTCs by laying distribution system and constrution of new RCC OH Tank has been prepared and included as part of this DER.

CONCLUSION

Total cost estimate for providing 5358 FHTCs in Chekkiad Panchayath under Jal Jeevan Mission Phase-II comes to 3158.00 Lakhs as per the detailed estimate. 15% of the each cost estimate will be Panchayath contribution and 10% of each cost estimate will be beneficiary contribution. As a step towards achieving the objectives of Jal Jeevan Mission, sanction may please be accorded for implementation of project.

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