



Resettlement Planning Document

Project Number: 38254-063
February 2016

IND:MFF - North Karnataka Urban Sector Investment Program - Tranche 4

Subproject: Package No-04 HVR 01

Submitted by

Karnataka Urban Infrastructure Development & Finance Corporation, Bangalore

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ಮತ್ತು ಹಣಕಾಸು ನಿಗಮ ನಿಯಮಿತ

ನೋಂದಾಯಿತ ಕಛೇರಿ : ನಗರಾಭಿವೃದ್ಧಿ ಭವನ

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KUIDFC/NKUSIP/ADB//2008-09/

Dated : 19th February 2016

To,

The Country Director.

No 4, San Martin Marg.

Chanakyapuri.

Near Jesus & Mary College.

New Delhi. Delhi 110021

Dear Madam,

**Sub : North Karnataka Urban Sector Investment Programme – Submission
of Reports.**

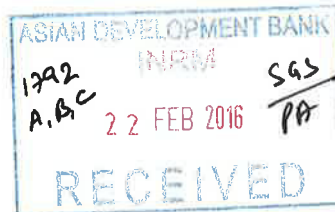
With reference to the above, please find enclosed herewith the following Due Diligence Reports:

- Construction of Community Toilets at Haveri CMC (02HVR06).
- Works & Services for O&M of 24x7 Water supply service for Haveri CMC (04HVR01)
- Supply & Laying of New Gravity System, Constructing FAI type STP & Secondary Drainage Link - Balance works (04HVR02)

Yours faithfully,

Task Manager (NKUSIP)

Encl : as above



Recd left copy on 22.2.16



DUE DILIGENCE REPORT

Document Stage: Due Diligence report

ADB Loan No3088 -IND, ADB Assisted KUIDFC-NKUSIP
Package No- Haveri 04HVR01

**Subproject – Construction of OHT for 24/7 Water supply
In Haveri**

February 2016

IND: North Karnataka Urban Sector Investment Program Package I, Tranche-IV

Prepared by

M/s. CDM Smith Pvt. Ltd.
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The Due Diligence Report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

GOVERNMENT OF KARNATAKA
KARNATAKA URBAN INFRASTRUCTURE DEVELOPMENT AND FINANCE
CORPORATION

NORTH KARNATAKA URBAN SECTOR INVESTMENT PROGRAM,
PACKAGE -1 (ADB Loan No. IND - 3088)
{INITIAL CIVIL WORKS PHOTOS AT SOOLAMATTI, HAVERI}



Due Diligence Report for OHTs of 24/7
Water Supply in Haveri

Feb 2016

M/s. CDM Smith Pvt. Ltd.
1st floor, IT Park, Hubballi.

North Karnataka Urban Sector Investment Program, Package -I
Due Diligence Report for OHT of 24X7 Water Supply Haveri

ABBREVIATIONS

ADB	–	Asian Development Bank
APs	–	Affected Persons
BPL	–	Below Poverty Line
CBO		Community Based Organization
CDP		Community Development Plan
CMC		City Municipal Corporation
DC		Deputy Commissioner
GRC		Grievance Redress Committee
HH		House Holds
IA		Implementing Agency
KUIDFC		Karnataka Urban Infrastructure Development and Finance Corporation
KUWSDB		Karnataka Urban Water Supply and Drainage Board
LA		Land Acquisition
M&E		Monitoring and Evaluation
NGO		Non-Government Organization
NOC		No Objection Certificate
NKUSIP		North Karnataka Urban Sector Investment Program
RF		Resettlement Framework
RP		Resettlement Plan
WTP		Water Treatment Plant
TMC		Town Municipal Council
ULB		Urban Local Body
WTP		Water treatment plant
OHT		Over Head tank

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Introduction

Project Background:

The Government of Karnataka (GoK) through the Karnataka Urban Infrastructure Development and Finance Corporation (KUIDFC) has envisaged the North Karnataka Urban Sector Investment Programme (NKUSIP) under the Asian Development Bank (ADB) assistance. The goal of the programme is to improve the level, quality and sustainability of basic urban services in selected Urban Local Bodies (ULB), contributing to improved quality of life among the urban poor. The objectives of NKUSIP is consistent with Government of India (GoI) urban reform objectives for the Tenth Plan period, which entails a reform agenda to initiate the process of

- Enhancing the capacity of urban local bodies to assume their functions in accordance with the 74th constitutional Amendment, with greater sustainability and accountability.
- Strengthening local finances through rationalization and improvement of property tax, and levy of sufficient user charges.
- Ensuring improved maintenance of existing assets; and
- Introducing better accounting and Financial Management practices.

KUIDFC was set up as an agency for the speedy planning and implementation of its urban development programs. The program would comprise the works in Environmental sanitation, water supply, storm water drainage, poverty alleviation programmes, and non municipal infrastructure.

Haveri sub-projects include Construction of OHT, Laying of HDPE pipe. The Investment Program is designed to minimize land acquisition and resettlement impacts.

Need of the Subproject:

Water supply system, infrastructure for the collection, transmission, treatment, storage, and distribution of water for homes, commercial establishments, industry, and irrigation, as well as for such public needs as fire fighting and street flushing. Of all municipal services, provision of potable water is perhaps the most vital. People depend on water for drinking, cooking, washing and other domestic needs. Water supply systems must also meet requirements for public, commercial, and industrial activities. In all cases, the water must fulfill both quality and quantity requirements.

Water treatment is the alteration of a water source in order to achieve a quality that meets specified goals. At the end of the 19th century and the beginning of the 20th, the main goal was elimination of deadly waterborne diseases. The treatment of public drinking water to remove pathogenic, or disease-causing, microorganisms began about that time. Treatment methods included sand filtration as well as the use of chlorine for disinfection. The virtual elimination of diseases such as cholera and typhoid in developed countries proved the success of this water-treatment technology. In developing countries, waterborne disease is still the principal water quality concern. The sub project proposed in Haveri is for supplying pure drinking water.

ADB Assisted KUIDFC-NKUSIP has selected Haveri ULB for providing pure drinking water to citizens. The investment program is designed for the construction of the OHTs for 24/7 Water Supply (24/7WSS).

Location of the project site:

- 1) The proposed OHT site is situated at Soolamatti area of Haveri town. The site is easily accessible from the town and is around 0.5 km from Haveri CMC.
- 2) Figure1: shows the index map of the proposed site.

Figure1: shows the proposed site.



Objectives of the Project:

The main objectives of the project are as follows:

- ❖ Supplying pure drinking water.
- ❖ Promote sustainable measures to increase potable water supply to the population.
- ❖ Water supply through future sustainable source developments
- ❖ Water supply through improvements of safe yield of existing water sources
- ❖ Water supply through improvements to water treatment works
- ❖ Drinking water supply contribute towards a sustainable regional development

- ❖ To improve the current state of the water cycle of Haveri through improvements in the separate components of the water supply system in investment program.

- ❖ To ensure continuity of the water supply for customers (by reducing the technical water losses and maintenance work resulting from break downs in the water network)
- ❖ To reduce the costs of operation and maintenance of the water supply system.

Scope of the Sub-project:

The salient features of the subproject are as under:

- 1) Rehabilitation of Water Treatment Plant (WTP – 9.09 MLD)
- 2) Construction of 1.5 ML OHT in Zone-III at Soolamatti area
- 3) Rehabilitation of Existing 0.5ML OHT at Googikatti – As the tank cannot be rehabilitated, this zone has been Combined with the Zone 3.
- 4) Rehabilitation of Tungabhadra raw water system
- 5) Electromechanical works at Jackwell
- 6) Construction of Works and Services for Operation & Management of 24 x7 water supply systems for City Municipal Council of Haveri
- 7) Rehabilitation of Karajagi pump House
- 8) Fixing of Bulk flow meters(19 No)

Requirement of Due-Diligence Report

Existing Haveri CMC Land has been utilized for Sub-project for the construction of OHT for 24/7 Water Supply. In this project there is no involuntary resettlement involved and hence the preparation of RP for this project is not required. The objective of this Due diligence report (DDR) is to review the Sub project Land acquisition and resettlement (LAR) impacts if any, based on the detailed design and propose mitigation measures if, necessary in accordance with ADB's Safeguard Policy Statement, 2009.

Prior to detailed design, the cadastral maps were examined to understand the ownership of land. Verification of the cadastral maps was done in the field based on the survey and measurement.

For the construction of the OHT 22.00 sq mtr of land was required. The required land was already in the possession of the ULB which was earmarked for the construction of OHT.

The subproject will not entail any permanent land acquisition and resettlement. Site assessment of the entire proposed areas, where works will be undertaken was takenup. Based

on it: there will be no expected impacts on private/public land, private properties like housing, shops, commercial buildings, religious and community infrastructure. No negative impacts on livelihood are envisaged. The proposed area is completely vacant and in possession of CMC. There are no Non-Titled Holders in the earmarked land.

Scope of Land Acquisition and Resettlement

As mentioned earlier, the total land requirement for this sub project was 22.00 sq mtr of which 22.00 sq.mtr was government land in possession of the ULB.

Project Impact and Outcome:

The expected outcomes of the project are:

- ❖ Promote sustainable measures to increase potable water supply to the population
- ❖ Increase water supply through future sustainable source developments
- ❖ Increase water supply through improvements of safe yield of existing water sources
- ❖ Increase water supply through improvements to the transmission/reticulation systems
- ❖ Increase water supply through improvements to water treatment works
- ❖ Development of an appropriate system of indicators for the evaluation of the performance of water supply systems, also enhancing monitoring of water losses.
- ❖ Development of a Decision Support System tool for the selection of appropriate measures for tackling the problem of water losses, with particular emphasis on regional characteristics and conditions prevailing in certain areas.
- ❖ Drinking water supply is contribute towards a sustainable regional development

- ❖ To improve the current state of the water cycle of Haveri through improvements in the separate components of the water supply system in investment program.

- ❖ To ensure continuity of the water supply for customers (by reducing the technical water losses and maintenance work resulting from breakdowns in the water network)
- ❖ To reduce the costs of operation and maintenance of the water supply system.

Extent of Impact:

Construction of OHT is being undertaken in Government land , there is no negative impact on the community.

Findings

The Subproject will not cause any permanent and/or temporary impacts as government land is proposed to be used for construction of OHT. The land earmarked is vacant, no common property resources are affected.