



Resettlement Planning Document

Project Number: 38254-063
January 2016

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

Subproject: Basavakalyan 04BSK01

Submitted by

Karnataka Urban Infrastructure Development & Finance Corporation, Bangalore

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Asian Development Bank

SGS/SDG.

ಕರ್ನಾಟಕ ನಗರ ಮೂಲಸೌಕರ್ಯ ಅಭಿವೃದ್ಧಿ

ಮತ್ತು ಹಣಕಾಸು ನಿಗಮ ನಿಯಮಿತ

ನೋಂದಾಯಿತ ಕಛೇರಿ : ನಗರಾಭಿವೃದ್ಧಿ ಭವನ

22, 17ನೇ 'ಎಫ್' ಅಡ್ಡರಸ್ತೆ, ಹಳೇ ಮದ್ರಾಸ್ ರಸ್ತೆ, ಇಂದಿರಾನಗರ

2ನೇ ಹಂತ, ಬಿ.ಎಂ.ಟಿ.ಸಿ. ಬಸ್ ಡಿಪೋ ಹತ್ತಿರ, ಬೆಂಗಳೂರು-560 038

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Dated : 12th January 2016

KUIDFC/NKUSIP/ADB/2008-09.

To,

The Country Director.
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New Delhi, Delhi 110021

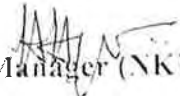
Dear Sir,

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

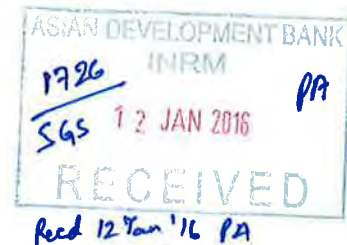
With reference to the above, please find enclosed herewith the following Due
Diligence Reports:

- Fire & Emergencies Services in Basavakalyan (Pkg No.02FE:03A)
- Fire & Emergencies Services in Yadgir (Pkg No.02FE:03)
- 24x7 water supply works in Basavakalyan (Pkg.No.04BSK01)

Yours faithfully,


Task Manager (NKUSIP)

Encl : as above



INVOLUNTARY RESETTLEMENT DUE DILIGENCE REPORT

Document Stage: Due Diligence report

ADB Loan No 3088-IND, ADB Assisted KUIDFC-NKUSIP
Package no- Basavakalyan 04BSK01

**Subproject – Construction of WTP and OHTs of 24/7 WSS
In Basavakalyan**

December 2015

**IND: North Karnataka Urban Sector Investment
Program Package III Tranche-II**

Prepared by



M/s. Haskoning DHV Consulting Pvt. Ltd.

GDA Complex, Veerendra Patil Layout,
Sedam Road, Gulbarga – 585105

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GOVERNMENT OF KARNATAKA

**KARNATAKA URBAN INFRASTRUCTURE DEVELOPMENT AND FINANCE
CORPORATION**

**NORTH KARNATAKA URBAN SECTOR INVESTMENT PROGRAM,
PACKAGE - 3 (ADB Loan No. IND - 3088)**



**Due Diligence Report for
Basavakalyan WTP and OHTs of 24/7 WSS**

Dec 2015



M/s. Haskoning DHV Consulting Pvt. Ltd.
GDA Complex, Veerendra Patil Layout,
Sedam Road, Gulbarga – 585105



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:

ADB Assisted North Karnataka Urban Sector Investment Program (NKUSIP) is envisaged to facilitate economic growth in 25 selected towns of North Karnataka and bring about urban development by means of equitable distribution of urban services in an environmentally sound and operationally sustainable manner. A Tranche II improvement focuses on rehabilitation and construction of water supply, sewerage, and urban drainage infrastructure as well as slum improvements and procurement of firefighting and emergency services equipment. Tranche 4 focuses on provision of 24X7 water supply. Basavakalyan subprojects include water supply and slum improvements. 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 firefighting 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 Basavakalyan for supplying pure drinking water.

ADB Assisted KUIDFC-NKUSIP has selected Basavakalyan ULB for giving providing drinking water to citizens. The investment program is designed for the construction of the WTP and OHTs for 24/7 WSS (24/7WSS).



Location of the project site:

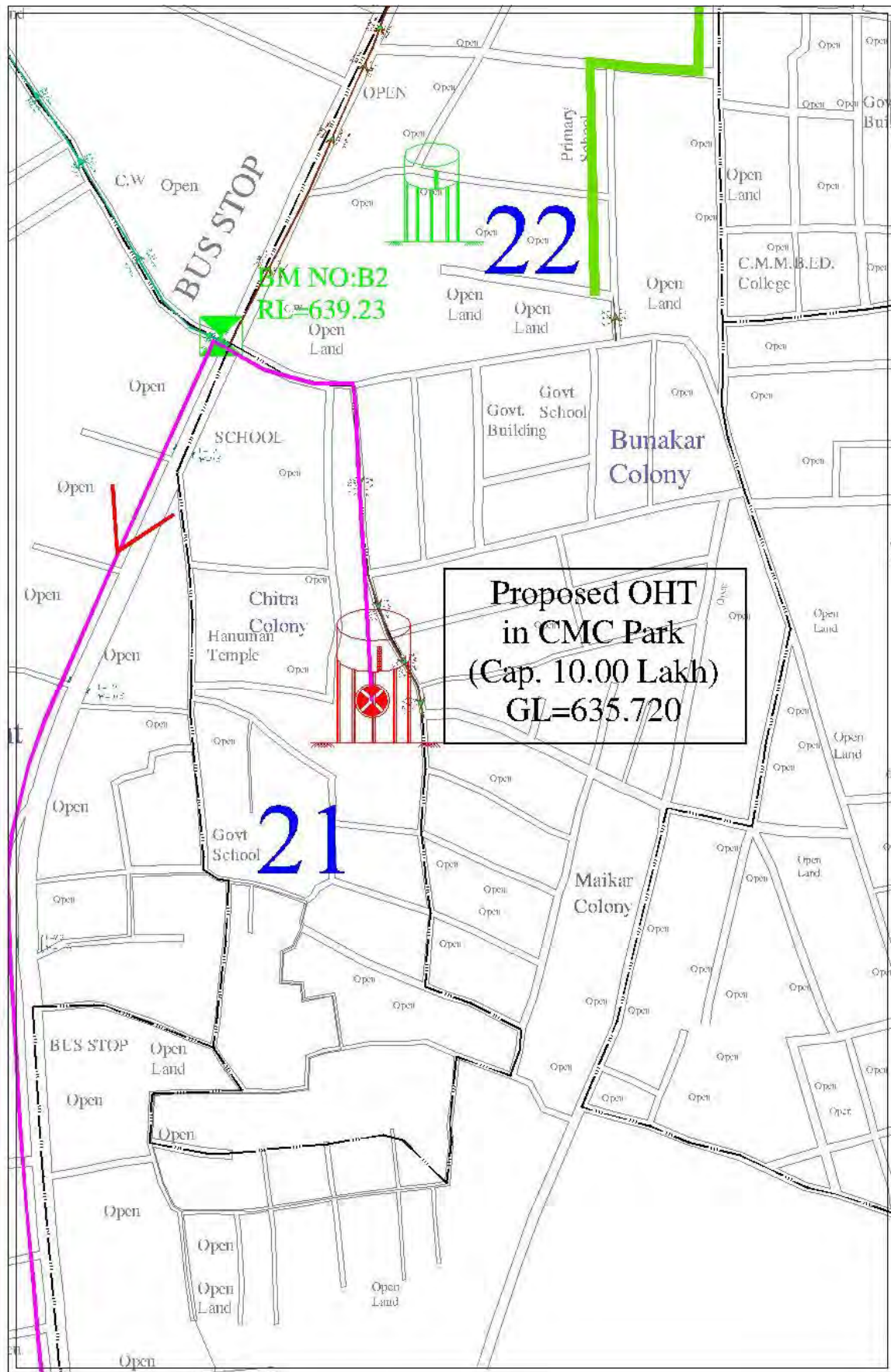
- 1) New WTP site is situated near the existing WTP of Basavakalyan and the land is Govt land in the name of KUWSDB. The site is easily accessible from the town and 3 km from Basavakalyan CMC. Figure 1 shows the index map of the proposed site and figure 2 shows the satellite image of the proposed site at Basavakalyan.

- 2) 10 lakh liter capacity of OHT site is situated in maalagar colony in Thripurantha area , which is Govt land in the name of the Basavakalyan CMC.

- 3) 5 Lakh liter capacity of OHT site is situated at Auto nagar,Bisede Balkunde Petrol pump near Bangla area. The land is also Govt land in the name of Basavakalyan CMC.



Figure 1: Index Maps of the Proposed Site, Basavakalyan



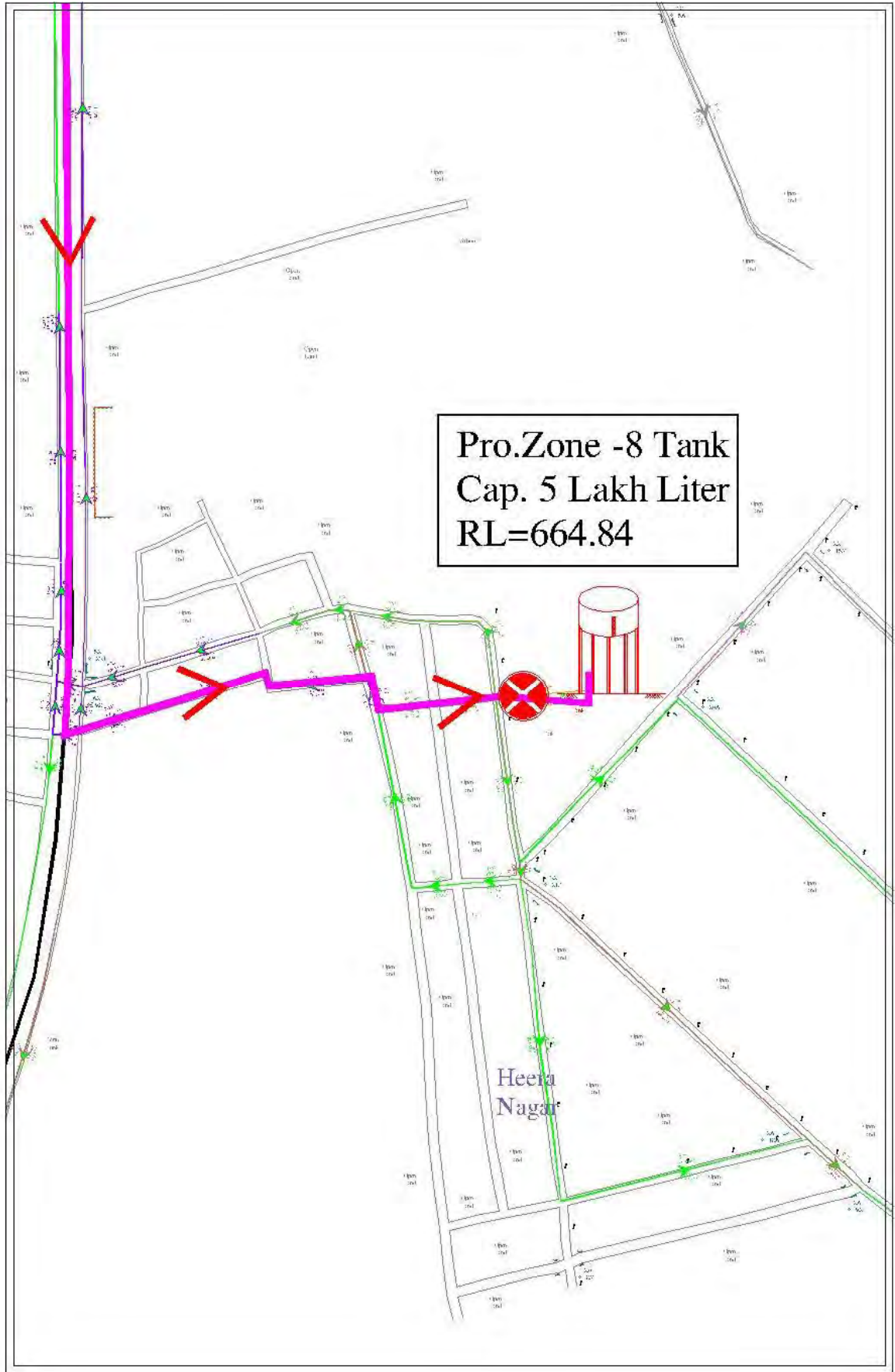




Figure 2 : Satellite image of the Proposed Site, Basavakalyan









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 Basavakalyan 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.

Scope of the Sub-project

The salient features of the subproject are as below: Construction of WTP and 2 OHTs for 24/7 WSS which entail the following:

- ❖ Providing the Rising Main Of M.S Pipe Dia 610 mm O.D.Of Length 11500Mtr
- ❖ Construction of Aerator and Flash Mixer including raw water channel from Aerator to flash mixer of 6.8 MLD Near Existing WTP Basvakalyan
- ❖ Construction of Flocculator and Settling Tank (Civil Works) of 6.8 Mld Near Existing WTP, including inlet pipe from Flash mixer to Flocculator and Construction of Rapid Sand Filter Unit of 6.8 MLD , including inlet channel
- ❖ Construction of 4 Lakh Lt. Capacity ELSR 10.5Mtr Staging for Back Wash Tank at WTP New OHT and Construction of ELSR of capacity 5 lakh liters 15mtr
- ❖ staging for Zone-7and Construction of ELSR of capacity10 lakh liters 15mtr staging for Zone-6 and Providing,
- ❖ Laying and jointing and commissioning of pure water rising main of 200 to 600 mm dia DI pipe from Existing WTP to Existing service reservoirs in Basvakalyan
- ❖ Distribution System - Zone 1 to 8 Full and Sub Estimate For Road Restoration works-(Distribution networks) and Sub Estimate For Bulk Flow Meters Of Proposed Raw Water Main & Reservoir and Electrical works and Supply of Electro fusion machines to CMC



Requirement of Due-Diligence Report

Government land has been used for the Sub-project i.e for Construction of WTP and 2 OHTs. 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 WTP 03.18 acres of land was required. Of which 03.18 acres was already in the possession of the ULB which was earmarked for the construction of WTP. And for construction of 2 OHTs, 00.02 Guntas + 00.02 Guntas = 00.04 Guntas land was required for which Government land was earmarked.

The subproject will not entail any permanent land acquisition and resettlement. Site assessment of the entire proposed areas, where works will be undertaken was taken up. 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 03.22 acres of which 03.22 acres was government land and in possession of the ULB. The land was handed over to Contractor from CMC on 30.01.2015. (Annexure 2)

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 Basavakalyan 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

Since the construction of WTP and 2 OHTs 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 WTP and OHT. The land earmarked is vacant, no common property resources are affected



Annexure ;3 copy of letter stating that Site is handed over to Contractor

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆ.ಯು.ಐ.ಡಿ.ಎಫ್.ಸಿ.
ಉತ್ತರ ಕರ್ನಾಟಕ ನಗರ ಪಲಯ ಬಂಡವಾಳ
ಹೂಡಿಕೆ ಕಾರ್ಯಕ್ರಮ ಯೋಜನಾ ಕೋಶ, (ಸಿಐಎಸಿ)
ವಿಳಾಸ: ಹಳೇ ತಪಸೀಲ್ ಕಚೇರಿ ಕೊಠಡಿ ಸಂಖ್ಯೆ : 22
ಬಸವಕಲ್ಯಾಣ - 585327.
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Date: 30.01.2015

To,
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M/s. Unipro Techno Infrastructure Private Ltd., Chandigarah
4th Floor, Madhu Madhav Towers,
Laxmi Bhuvan Square,
Dharampeth, Nagpur – 400 010

Site Hand over

Name of work : Construction of works and Services for Operation &
Management of 24x7 water supply system to Basavakalyan
town [Package No. 04BBW01, Slice No. 04BSK01]

This is list of sites with location for the above scheme work.

Sl. No.	Name of site	Location
1	Construction of new water treatment plant (WTP) capacity 6.8 MLD with components	Near at existing water treatment plant (WTP) Basavakalyan water supply scheme.
2	Construction of ELSR of capacity 10 lakhs liters 15 mtr staging	Municipal Garden layout survey no. 22, Tripurant area behind Hotel Raj kamal.
3	Construction of ELSR of capacity 5 lakhs liters 15 mtr staging	Municipal Garden layout survey no. 117/10B & 119/3 at Autonagar beside Balkunde petrol bunk, Bangla area.

Commissioner
City Municipal Council
Basavakalyan